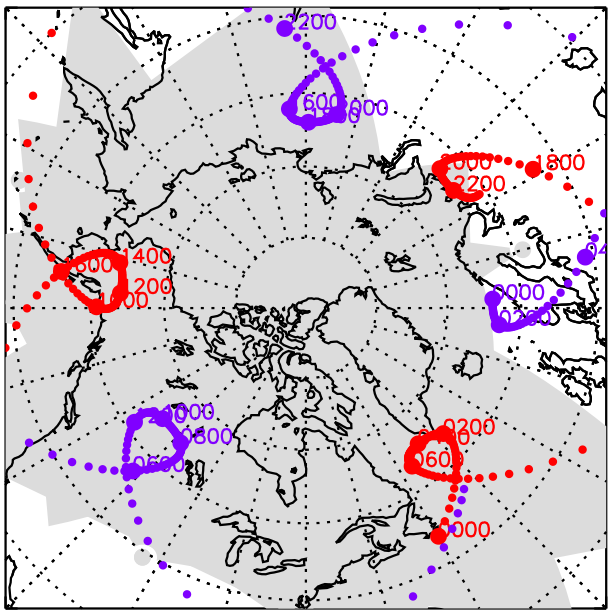
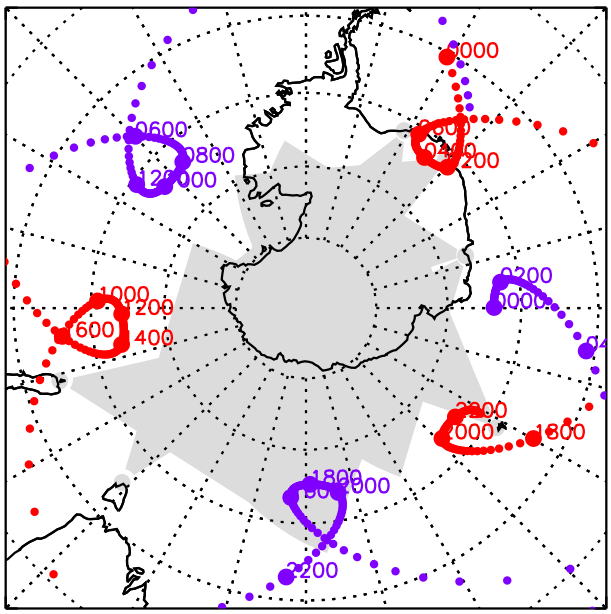
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

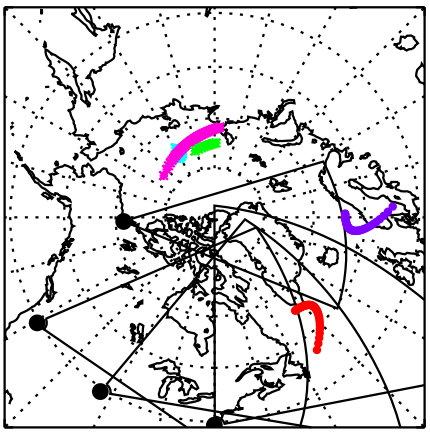
01–Mar–2013

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) 0015UT to 0345UT
cve fhe inv wal



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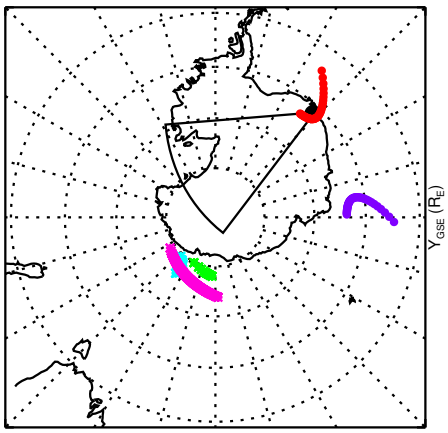
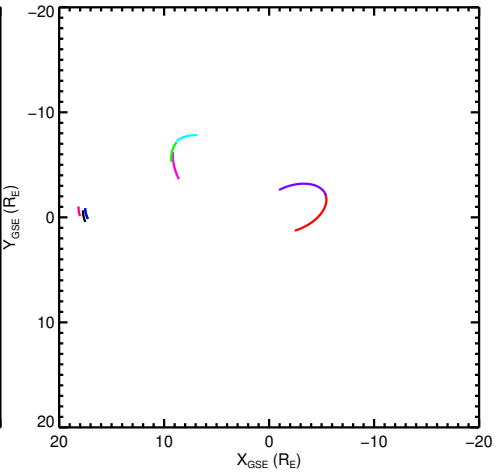
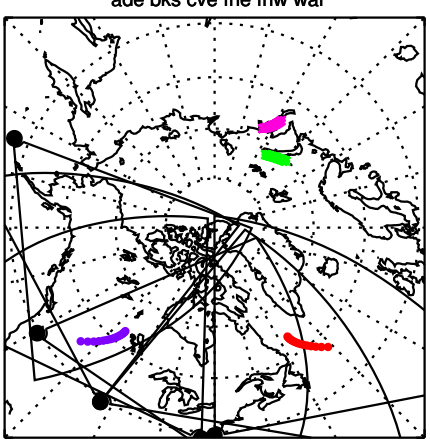
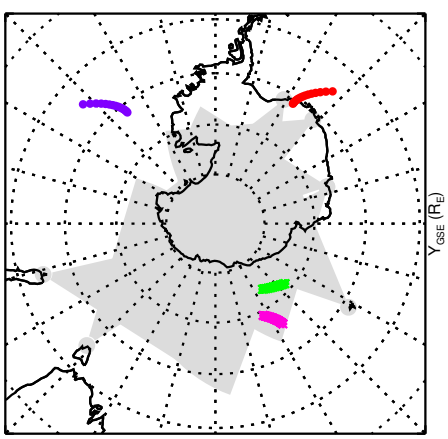
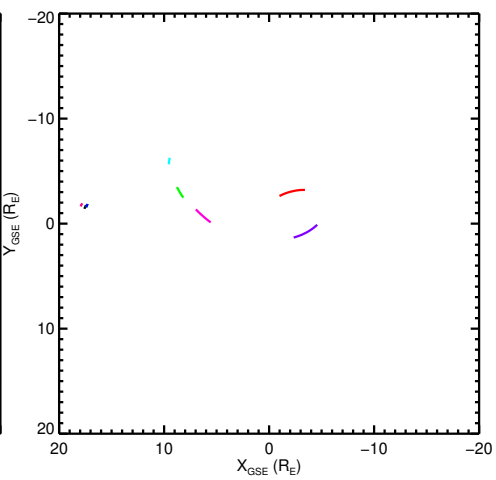




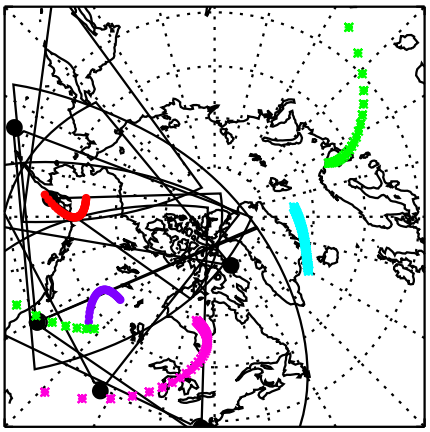
(b) 0550UT to 0705UT
ade bks cve fhe fhw wal

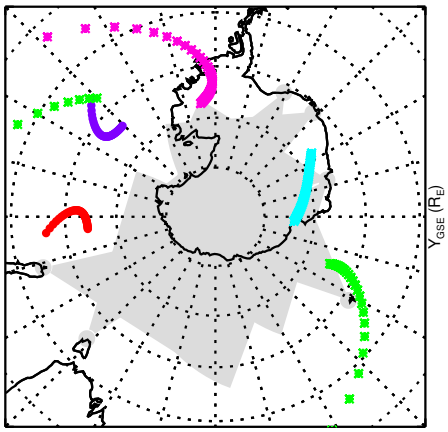


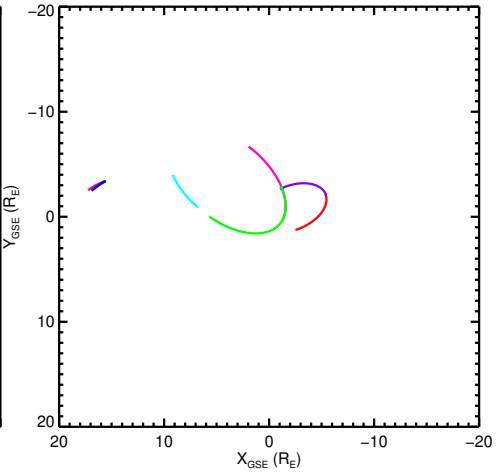




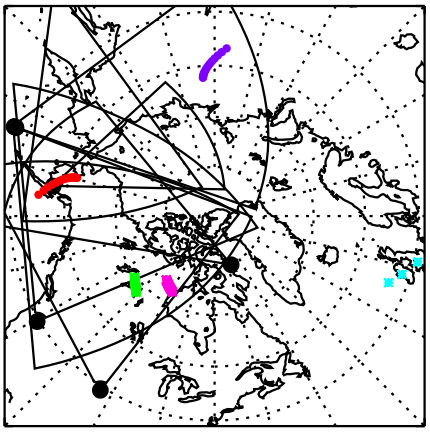
(c) 0915UT to 1245UT
ade bks cly cve cvw fhw hok kod







(d) 1455UT to 1605UT
ade adw cly cvw fhw hok ksr



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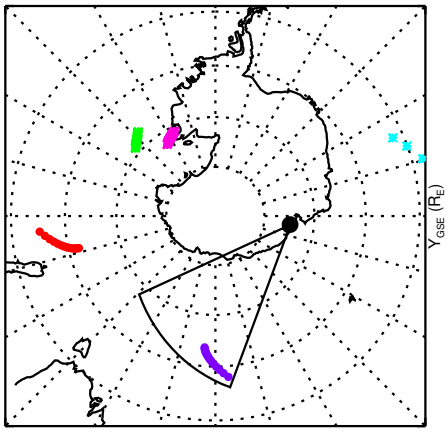
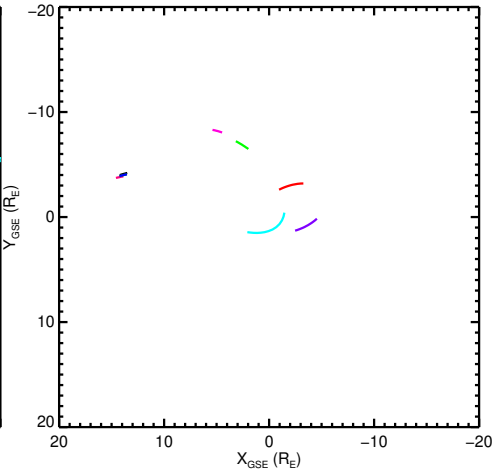
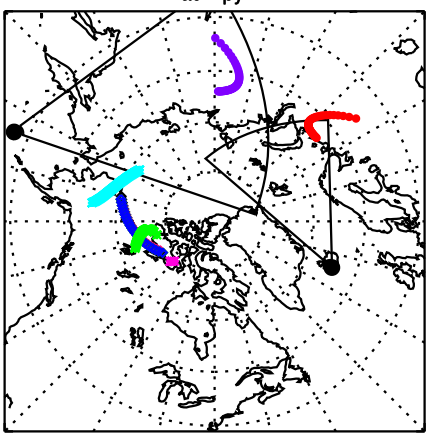
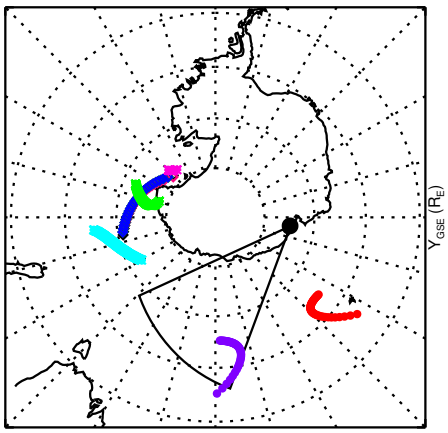


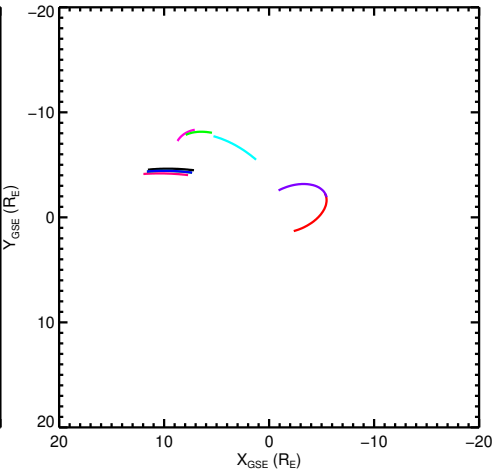


(e) 1810UT to 2150UT
adw pyk

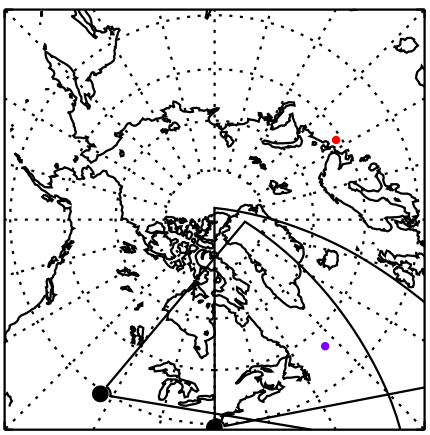


zho





(f) 2355UT to 2355UT
fhe wal



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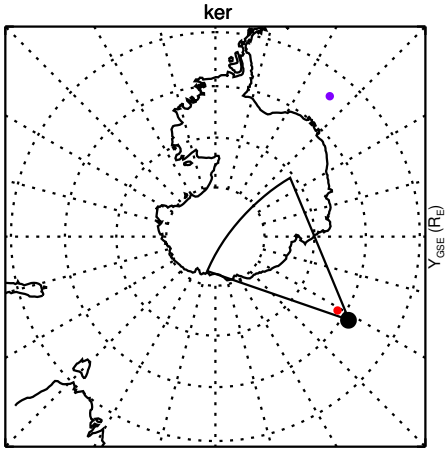
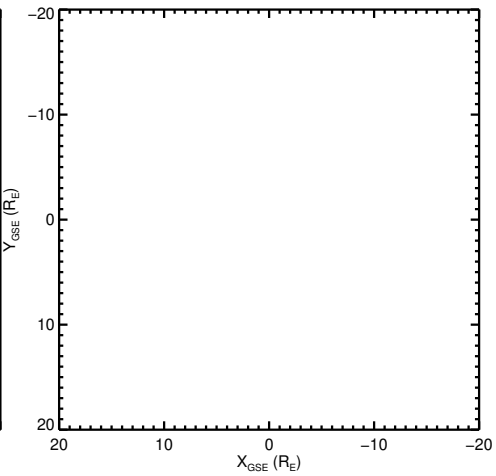
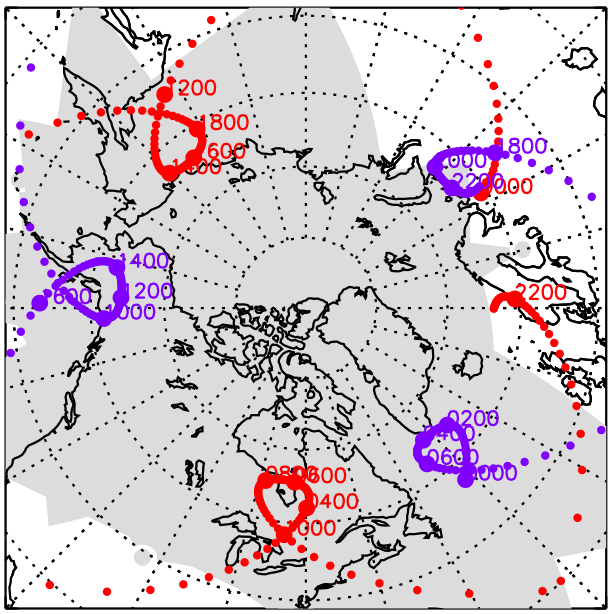


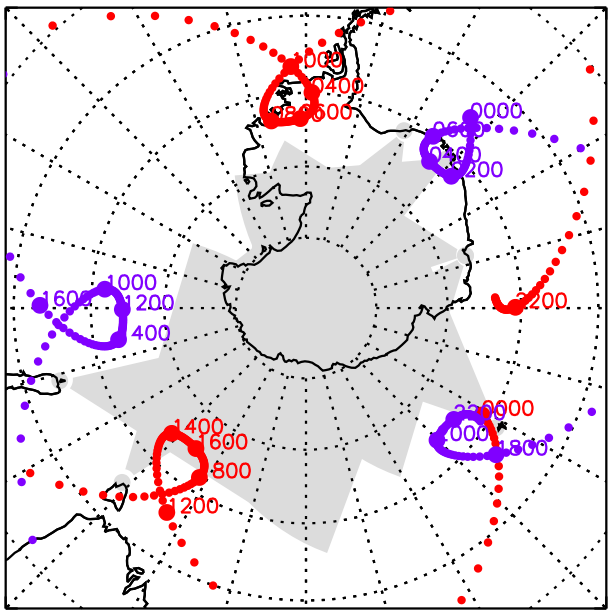


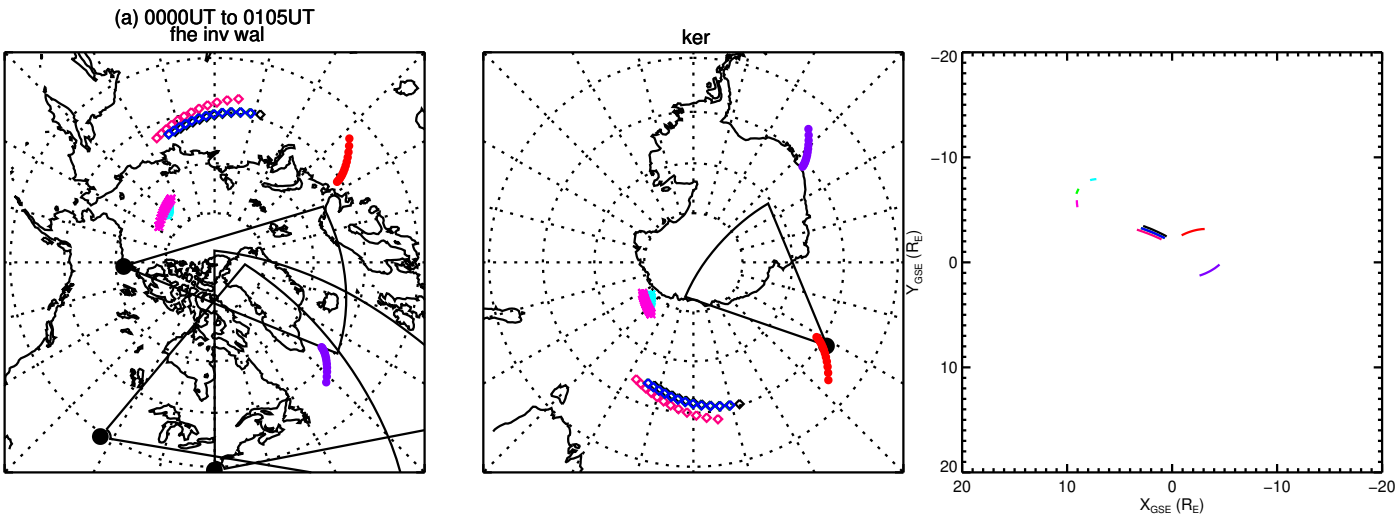
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

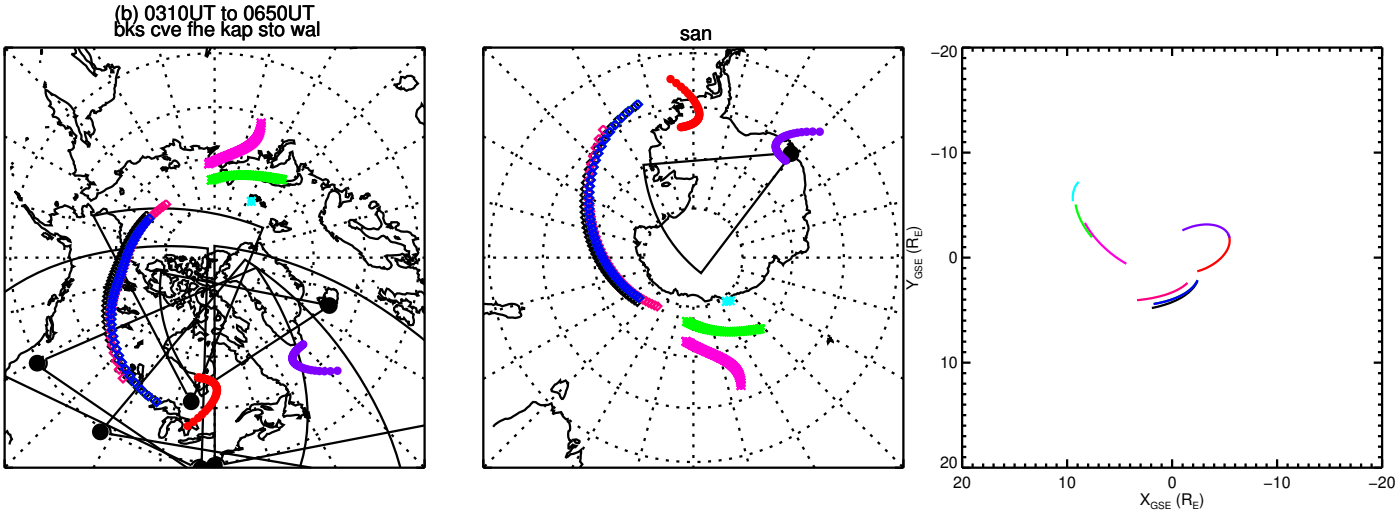
02–Mar–2013

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

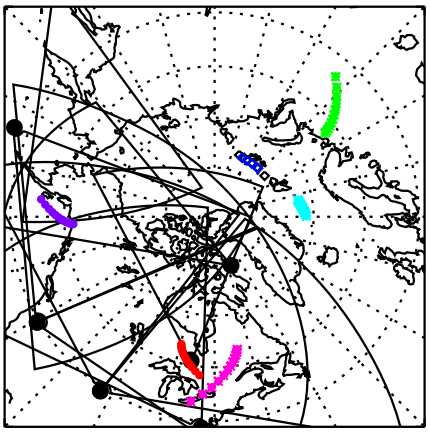


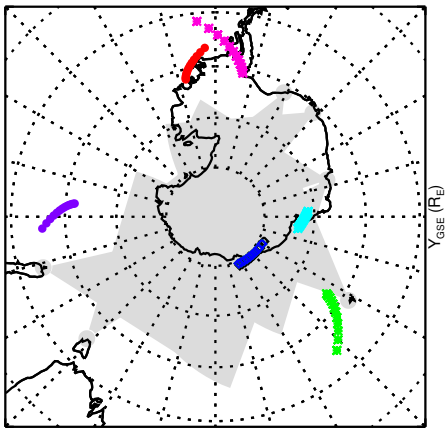


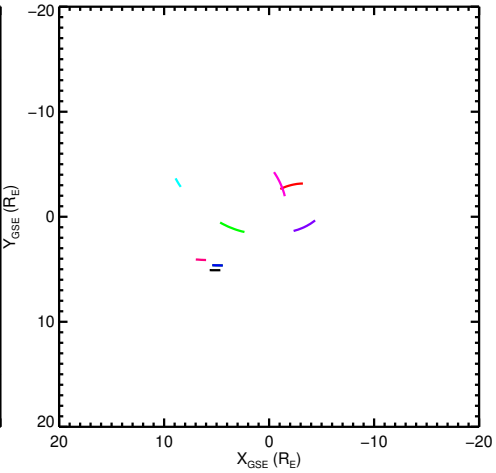




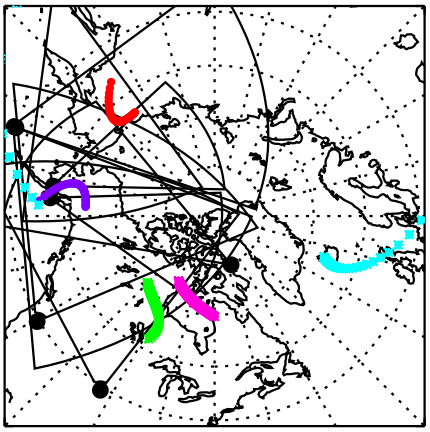
(c) 0855UT to 1000UT
ade bks cly cve cvw fhe fhw hok kap



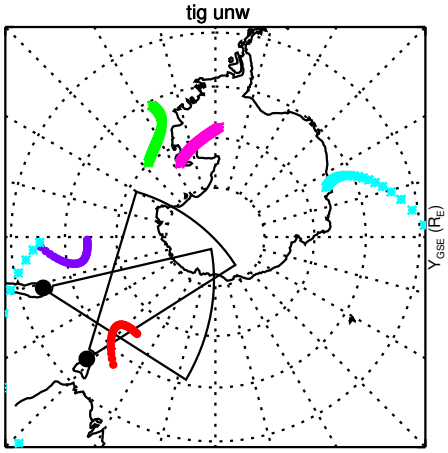


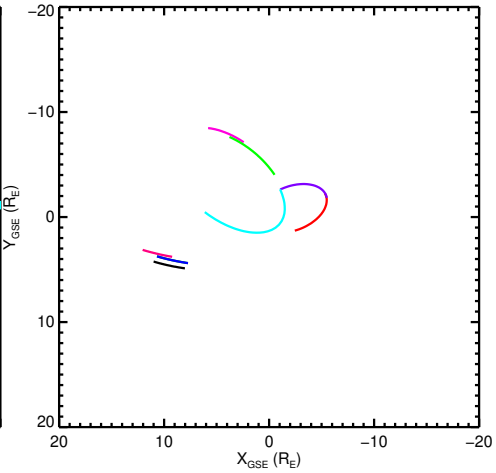


(d) 1210UT to 1550UT
ade adw cly cvw fhw hok kod ksr

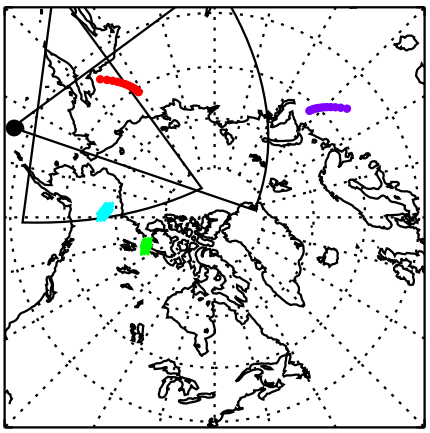


tig unw





(e) 1800UT to 1900UT
adw hok



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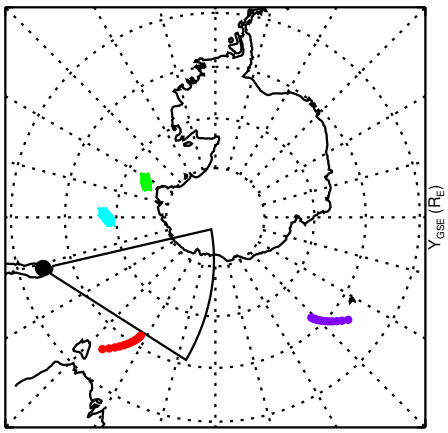
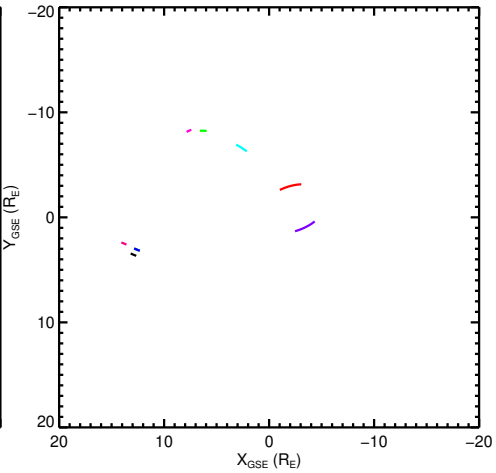
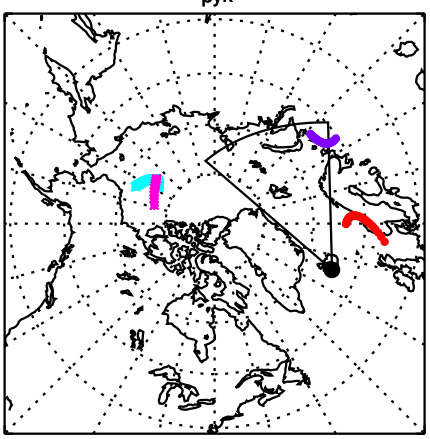




(f) 2110UT to 2355UT
pyk



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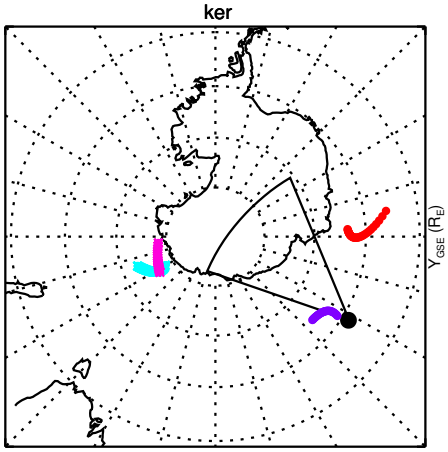
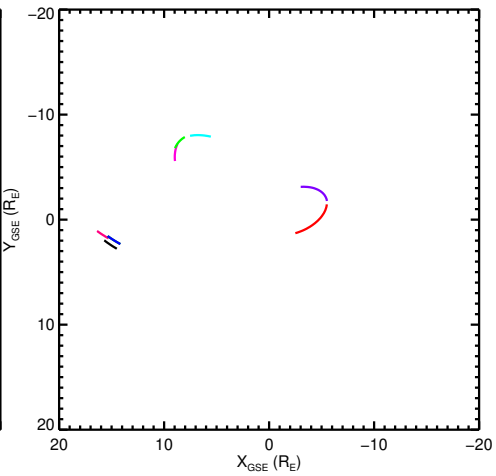
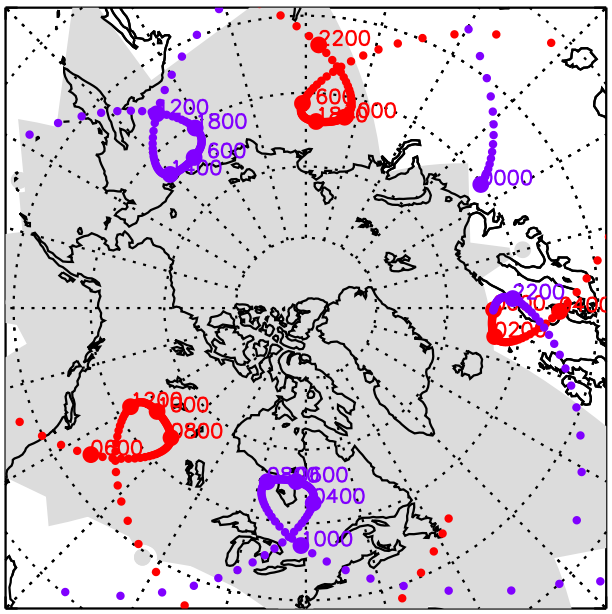


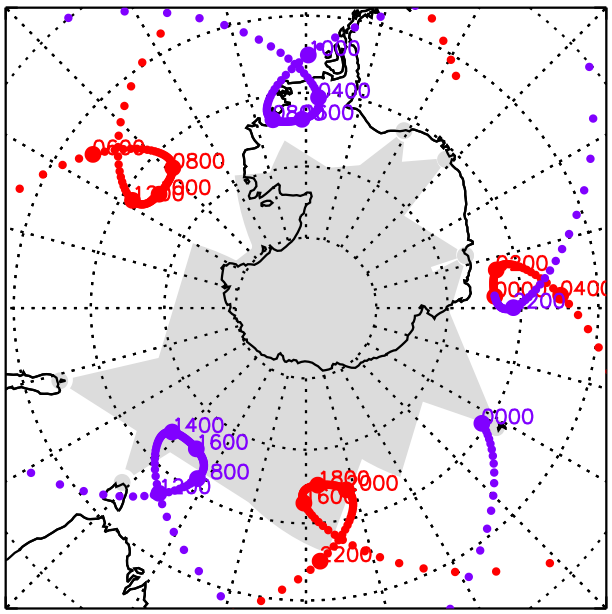


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

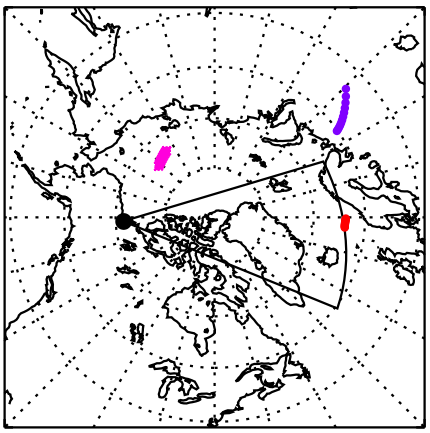
03–Mar–2013

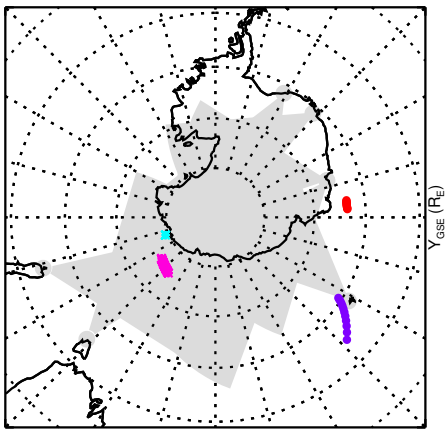
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

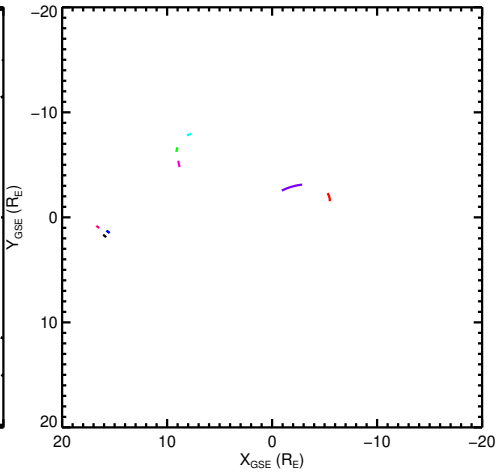




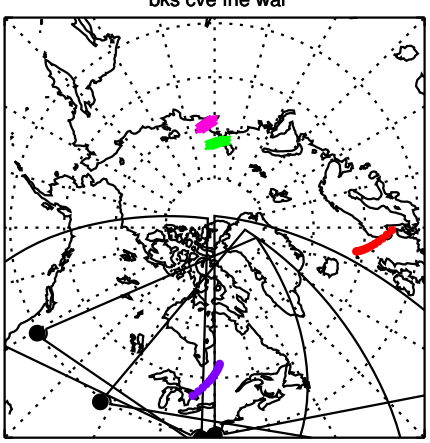
(a) 0000UT to 0055UT
inv

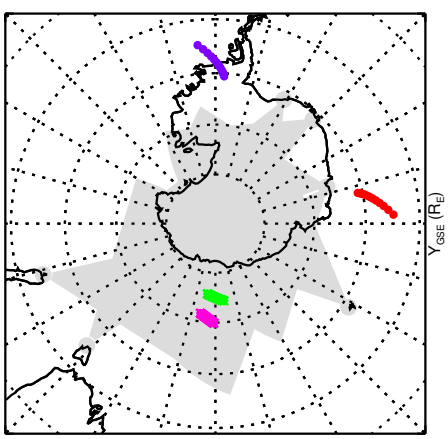


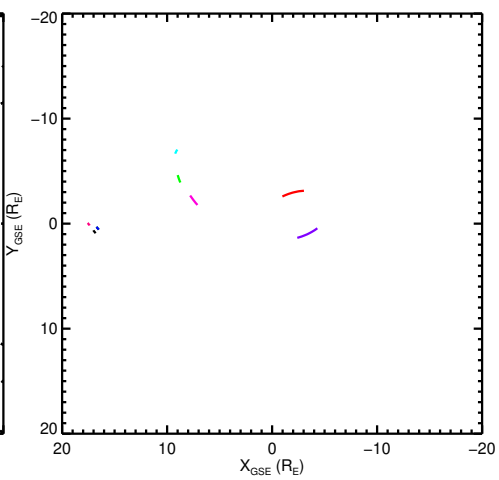




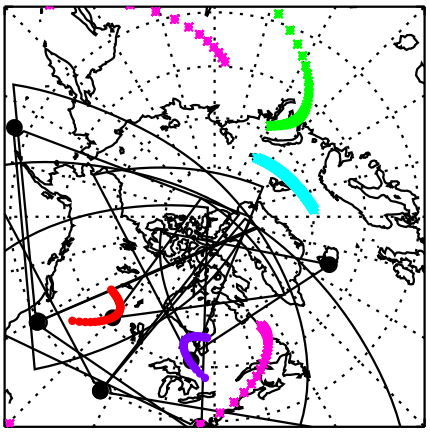
(b) 0300UT to 0400UT
bks cve fhe wal

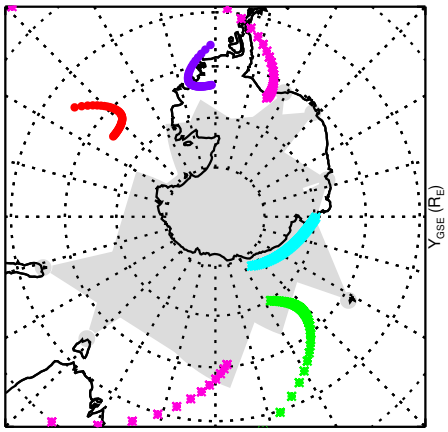


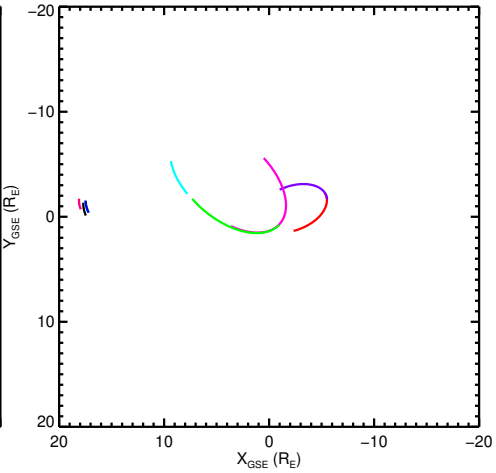




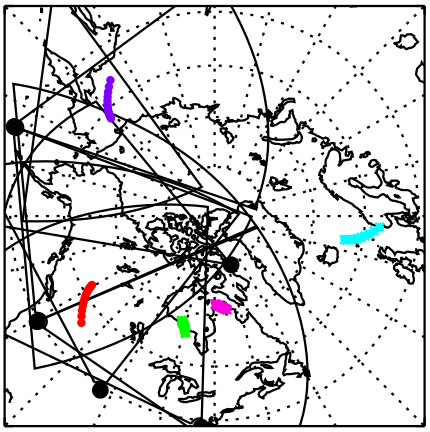
(c) 0605UT to 0955UT
ade bks cve cvw fhe fhw kap sas sto



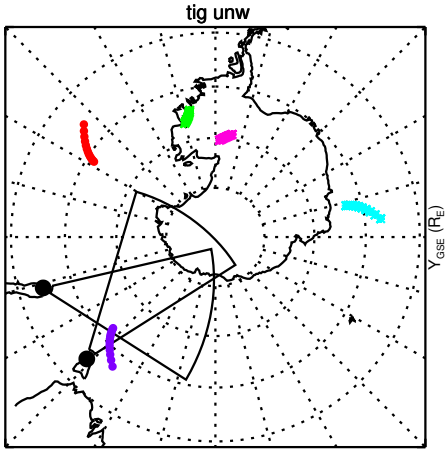


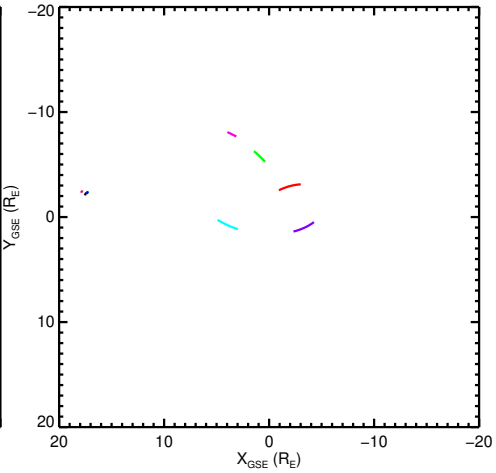


(d) 1200UT to 1300UT
ade adw bks cly cve cvw fhw hok

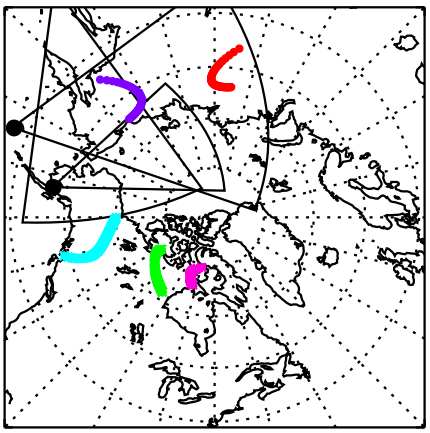


tig unw

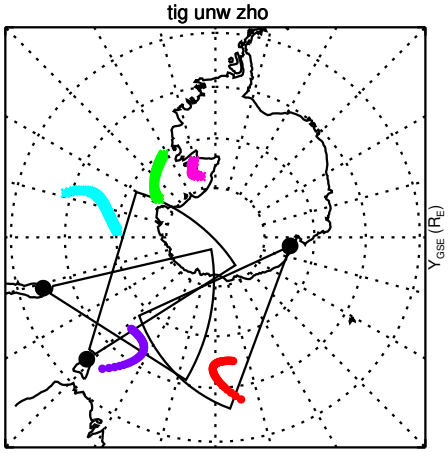


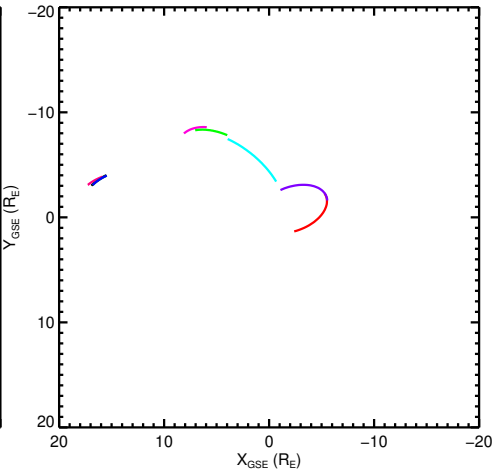


(e) 1505UT to 1855UT
adw hok ksr

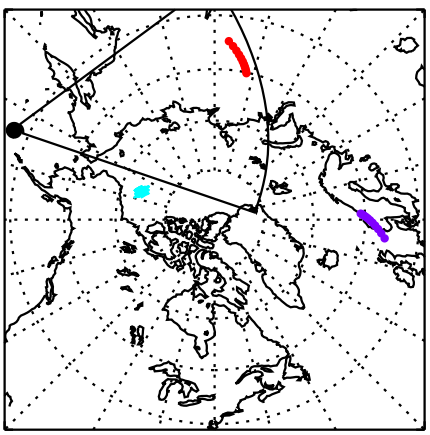


tig unw zho

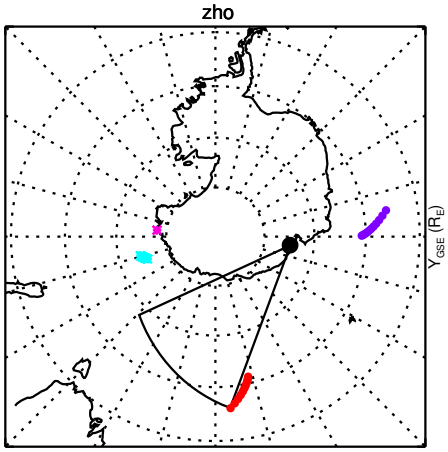


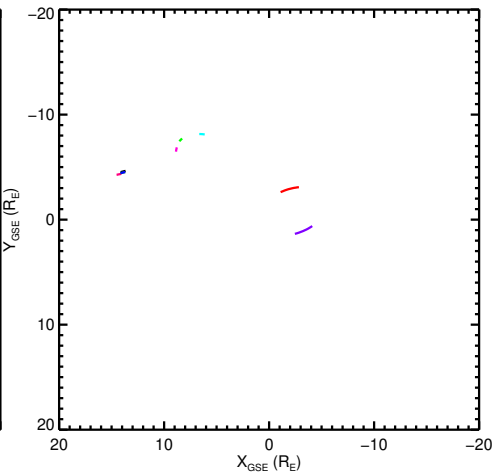


(f) 2105UT to 2155UT
adw



zho

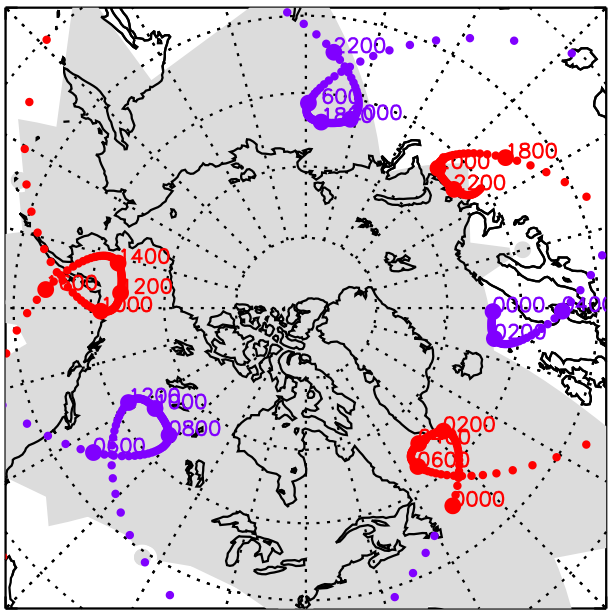


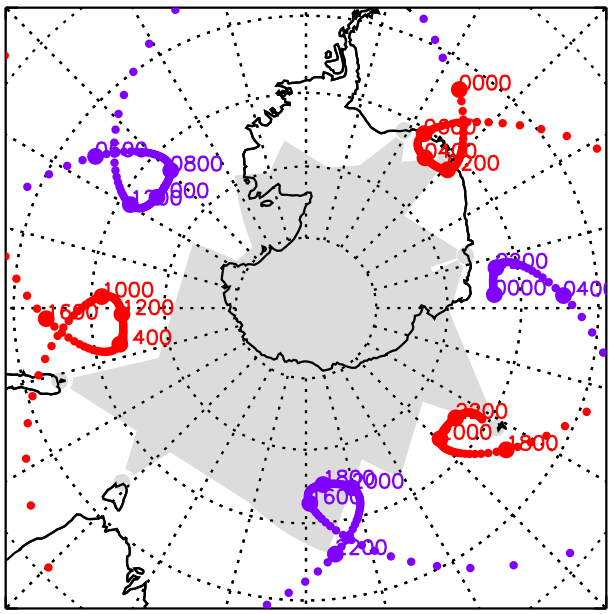


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

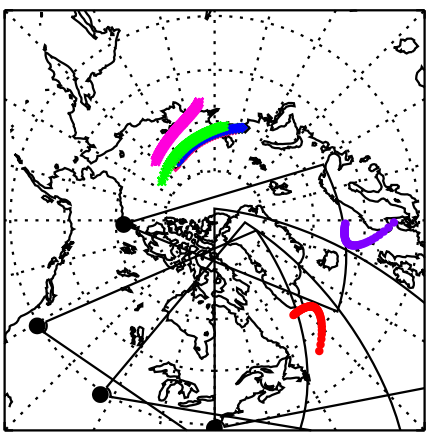
04–Mar–2013

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

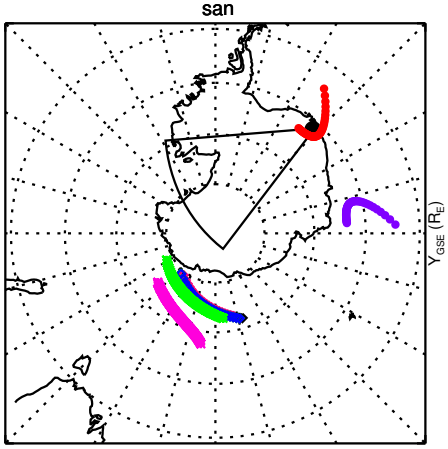


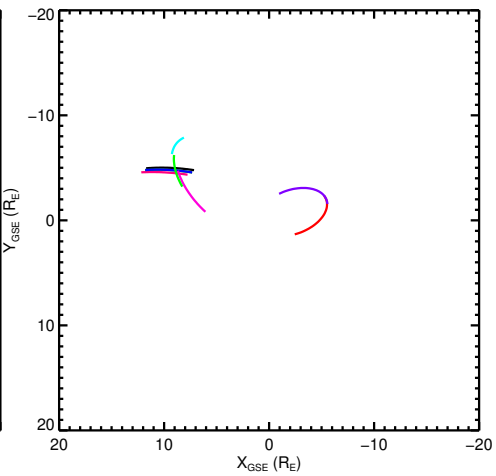


(a) 0005UT to 0400UT
cve fhe inv wal

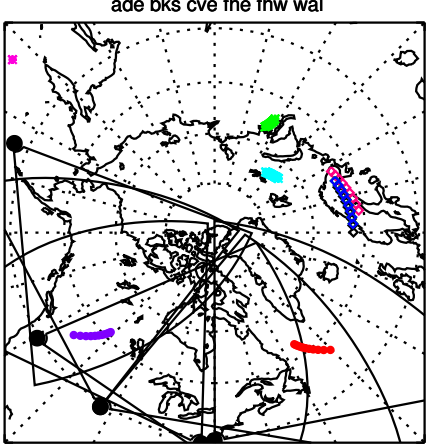


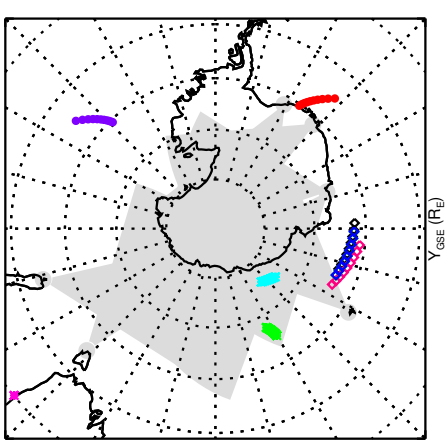
san

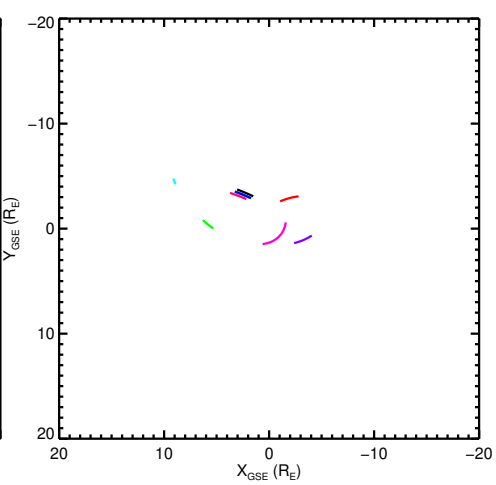




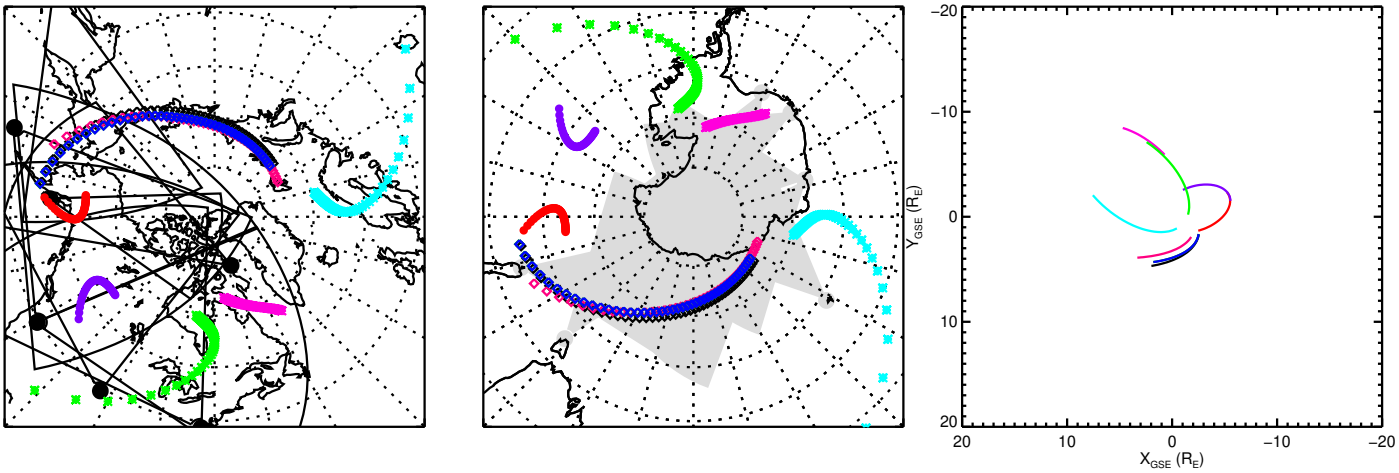
(b) 0605UT to 0655UT
ade bks cve fhe fhw wal





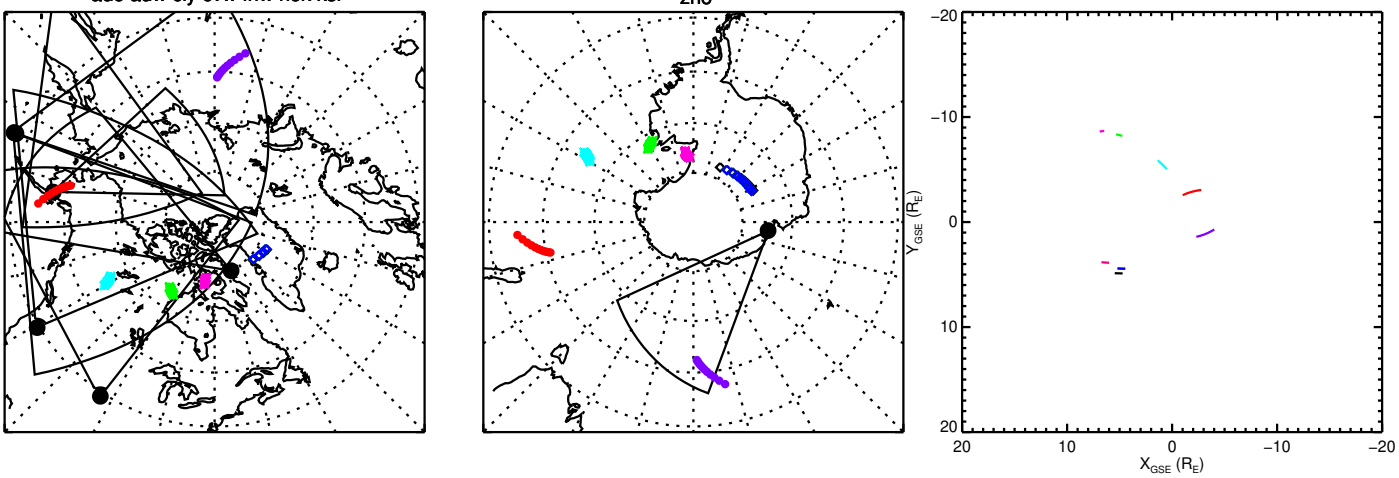


(c) 0905UT to 1300UT
ade bks cly cve cvw fhw hok kod



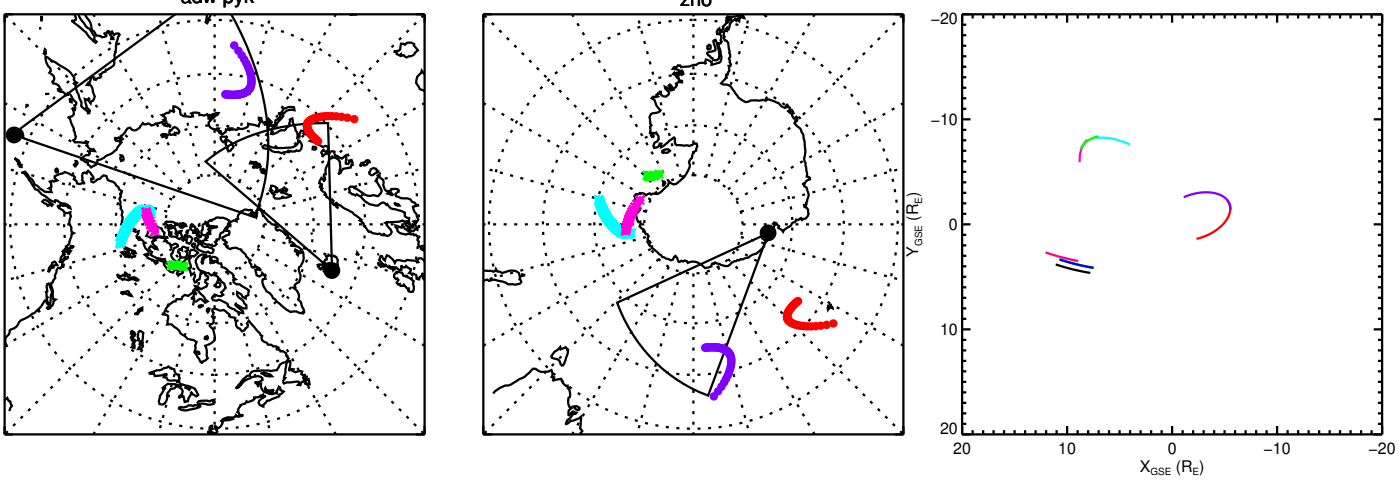
(d) 1505UT to 1555UT
ade adw cly cvw fhw hok ksr

zho



(e) 1800UT to 2200UT
adw pyk

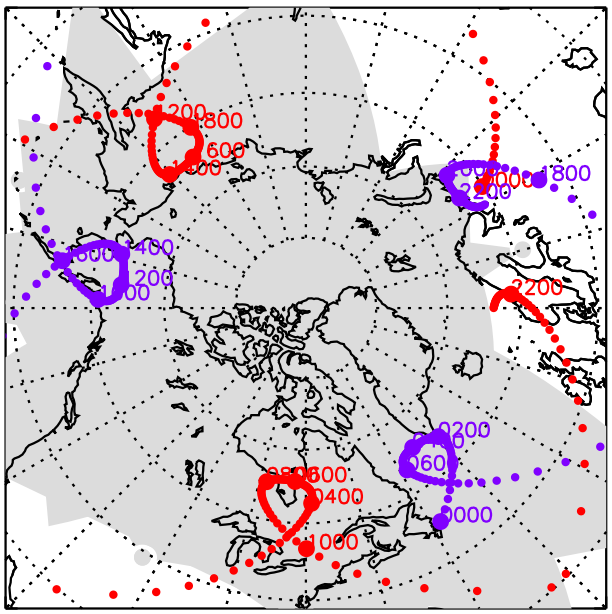
zho

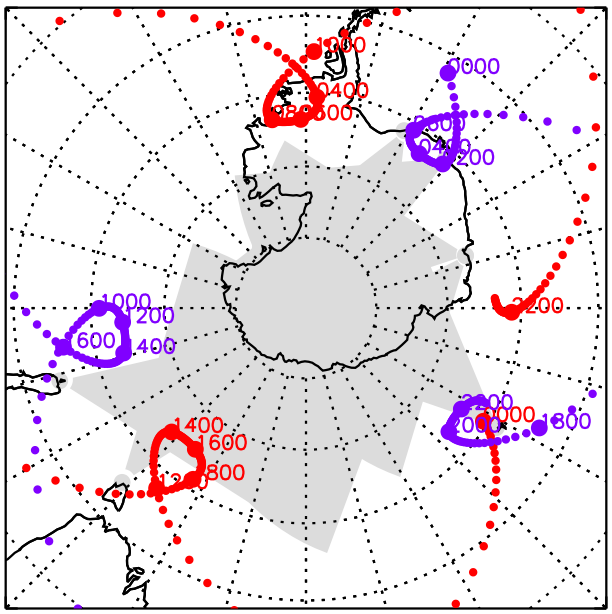


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

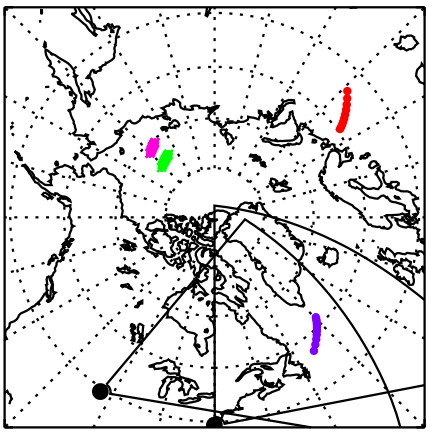
05–Mar–2013

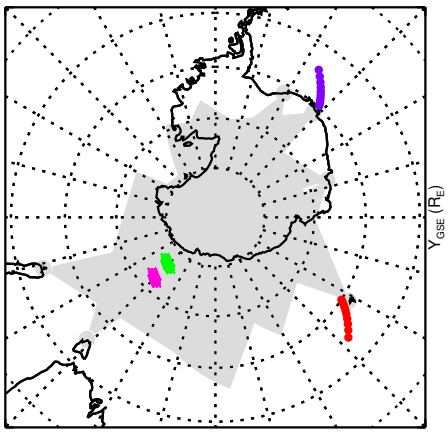
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

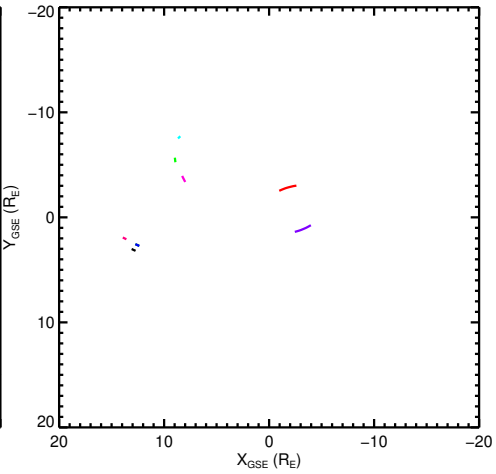




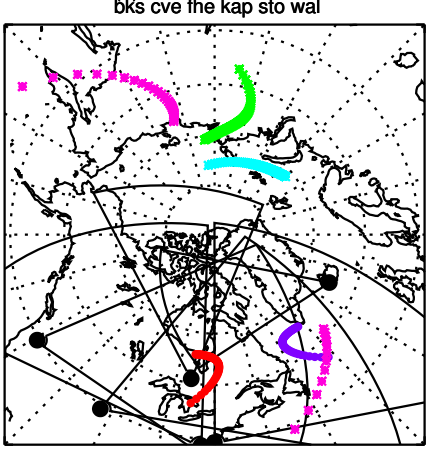
(a) 0010UT to 0055UT
fhe wal



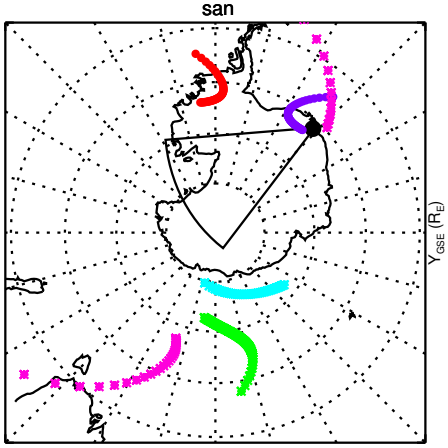


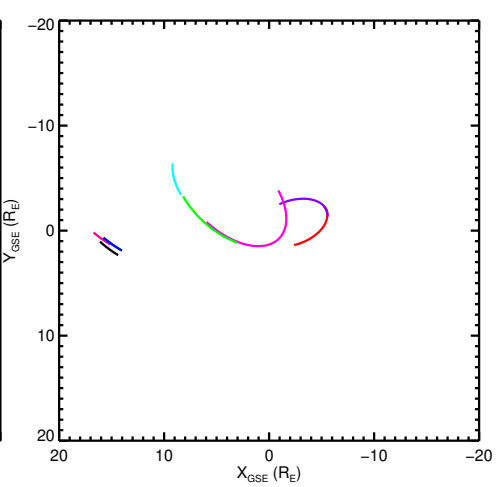


(b) 0300UT to 0705UT
bks cve fhe kap sto wal

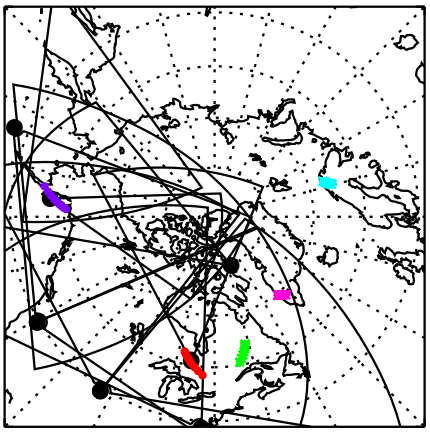


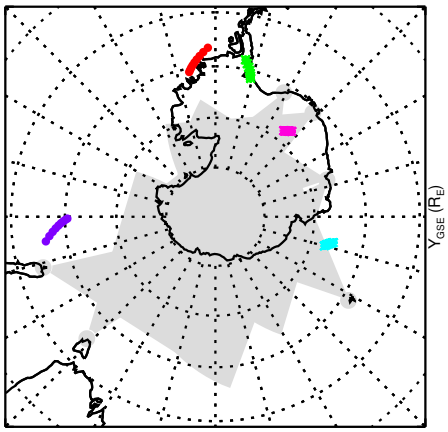
san

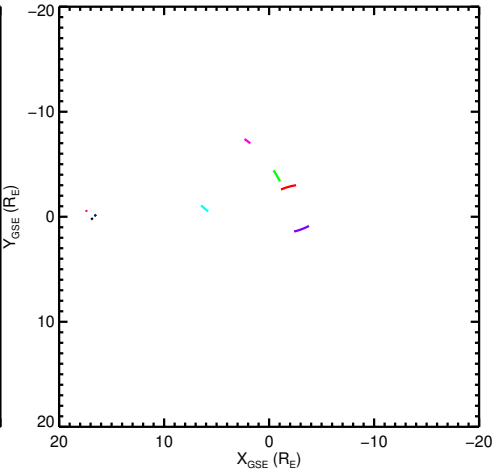




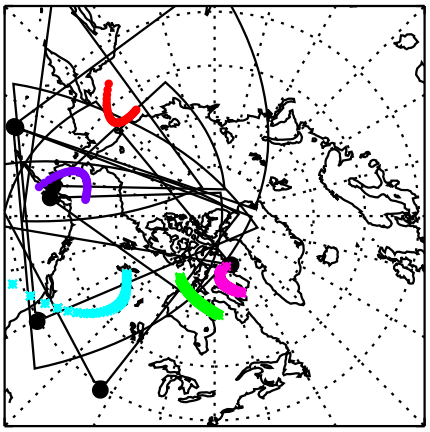
(c) 0910UT to 0950UT
ade bks cly cve cvw fhe fhw hok kap kod



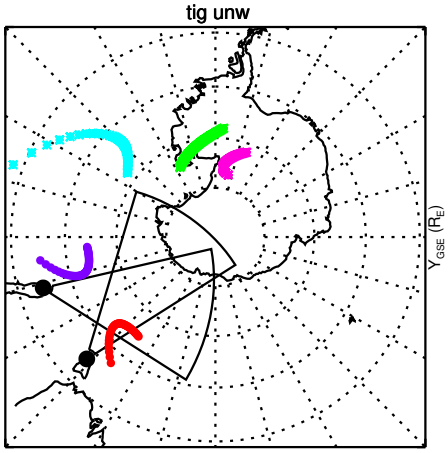


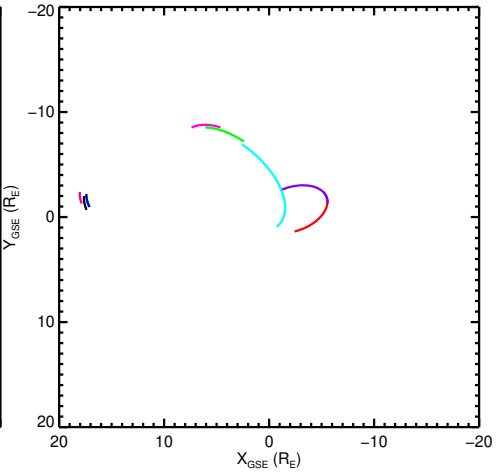


(d) 1200UT to 1605UT
ade adw cly cvw fhw hok kod ksr

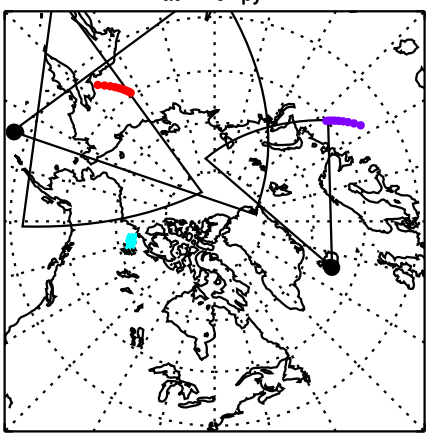


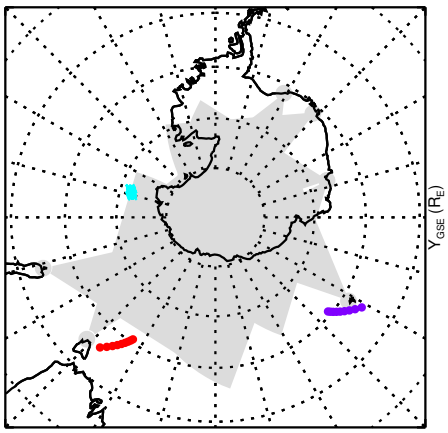
tig unw

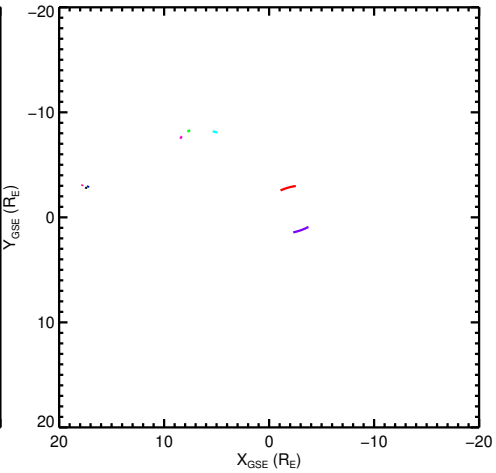




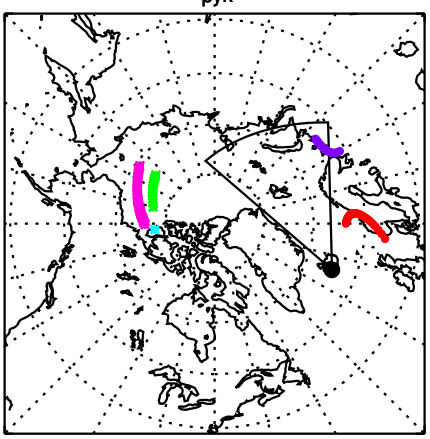
(e) 1810UT to 1850UT
adw hok pyk



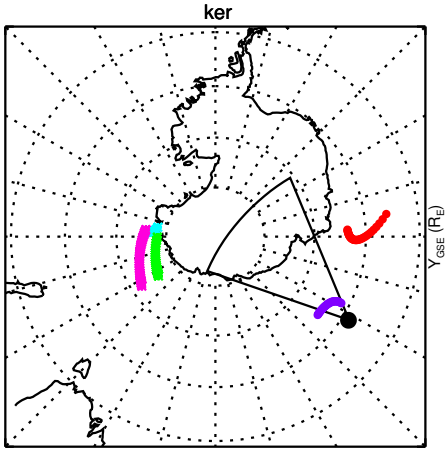


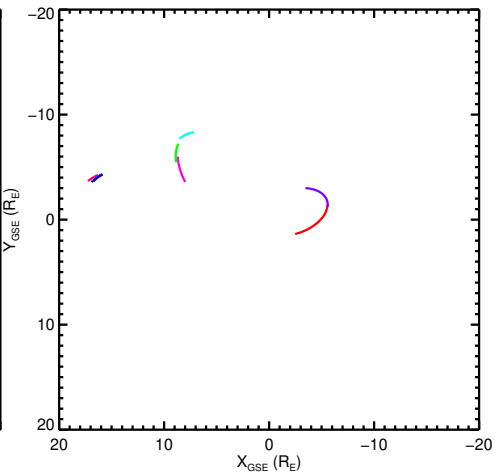


(f) 2100UT to 2355UT
pyk



ker

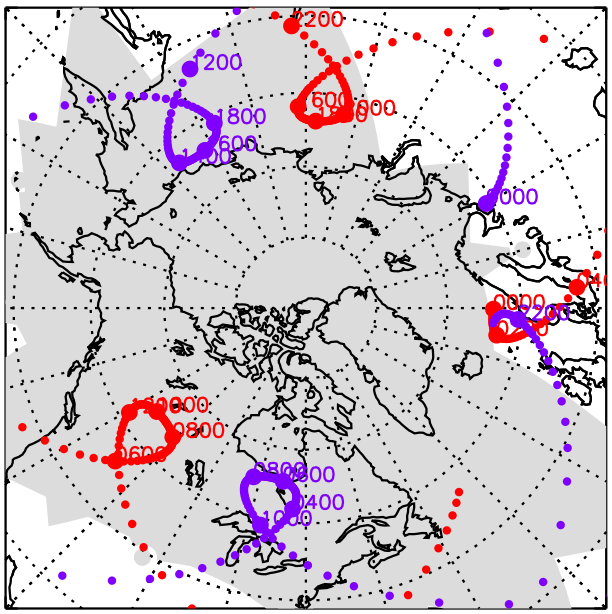


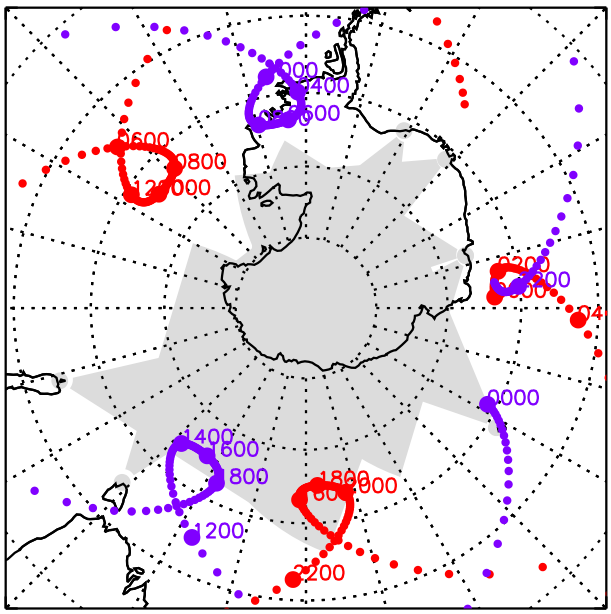


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

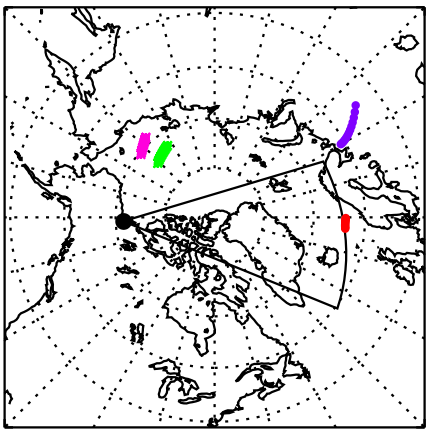
06–Mar–2013

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

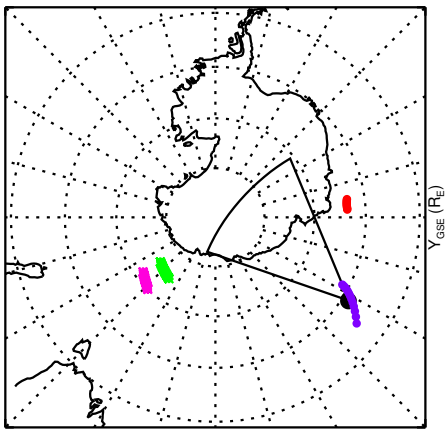


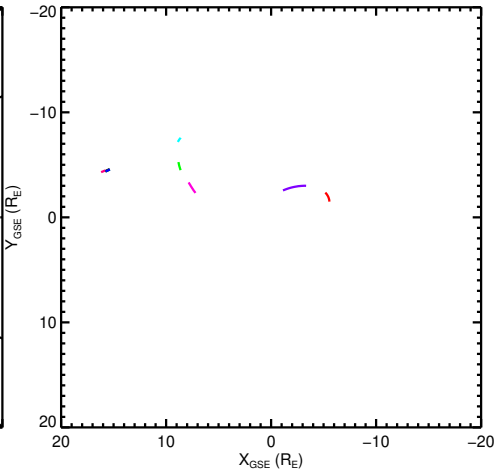


(a) 0000UT to 0105UT
inv

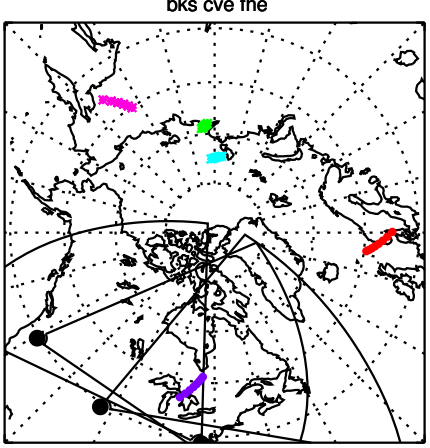


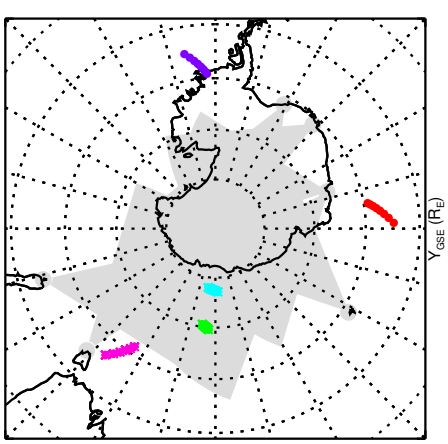
ker

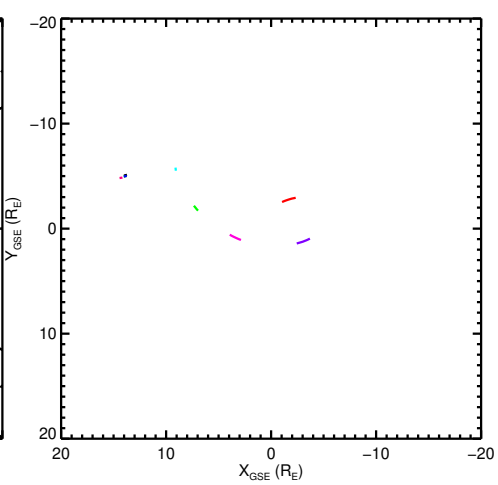




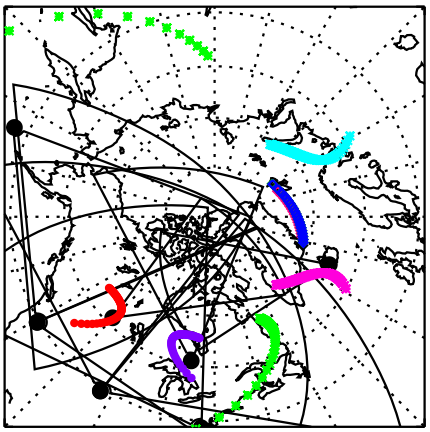
(b) 0315UT to 0350UT
bks cve fhe

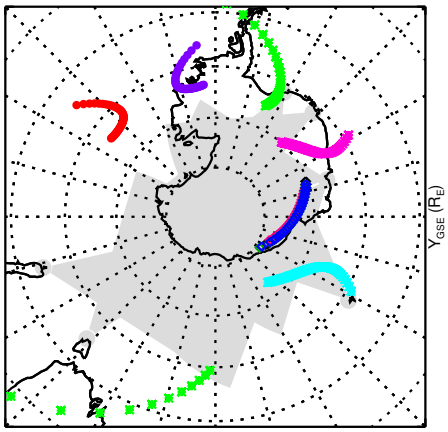


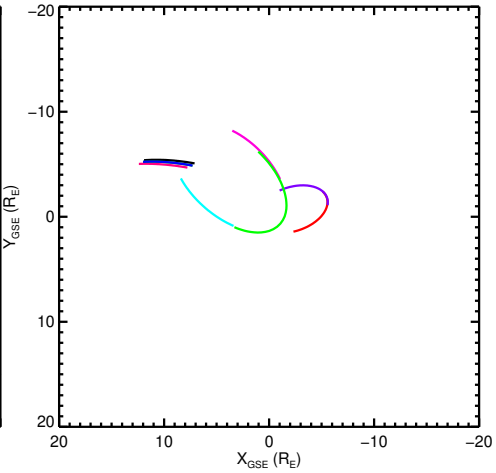




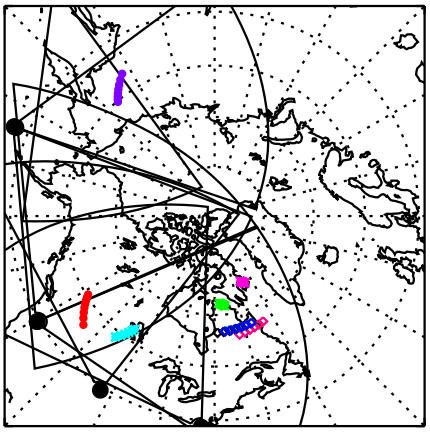
(c) 0555UT to 1010UT
ade bks cve cvw fhe fhw kap sas sto



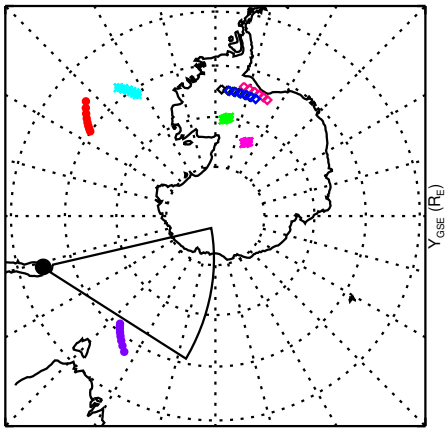


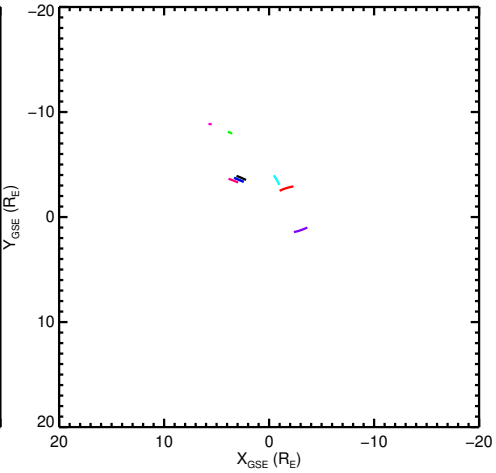


(d) 1215UT to 1250UT
ade adw bks cve cvw fhw hok

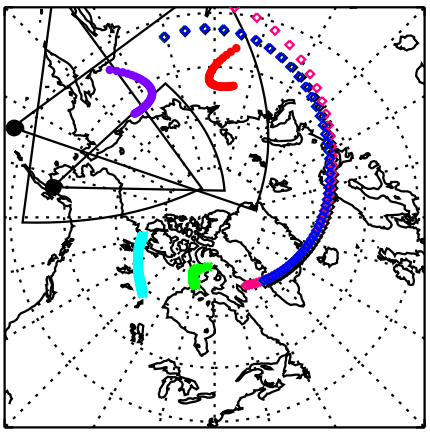


unw

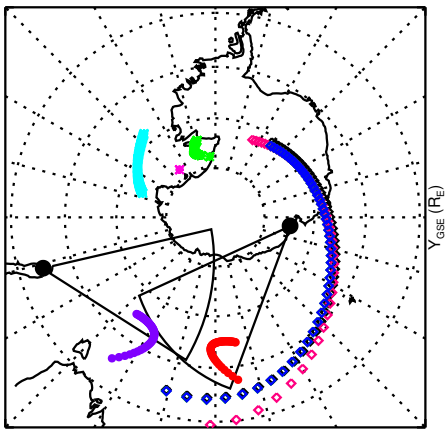


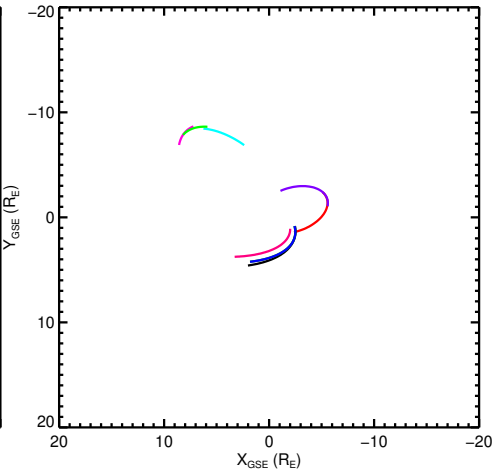


(e) 1455UT to 1910UT
adw hok ksr

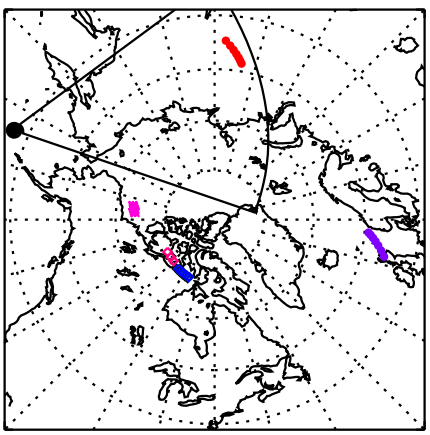


unw zho

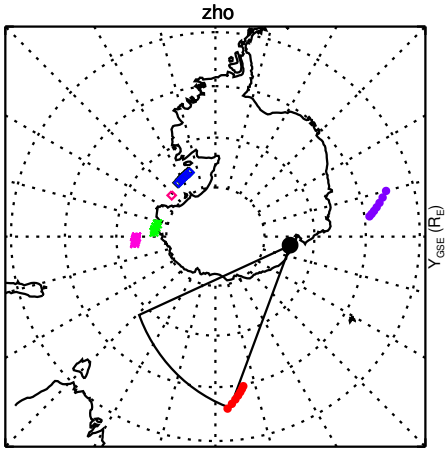


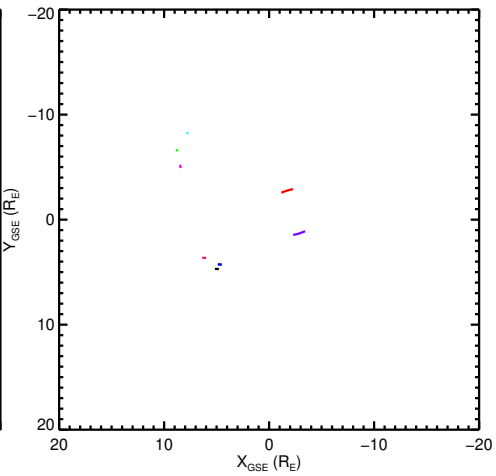


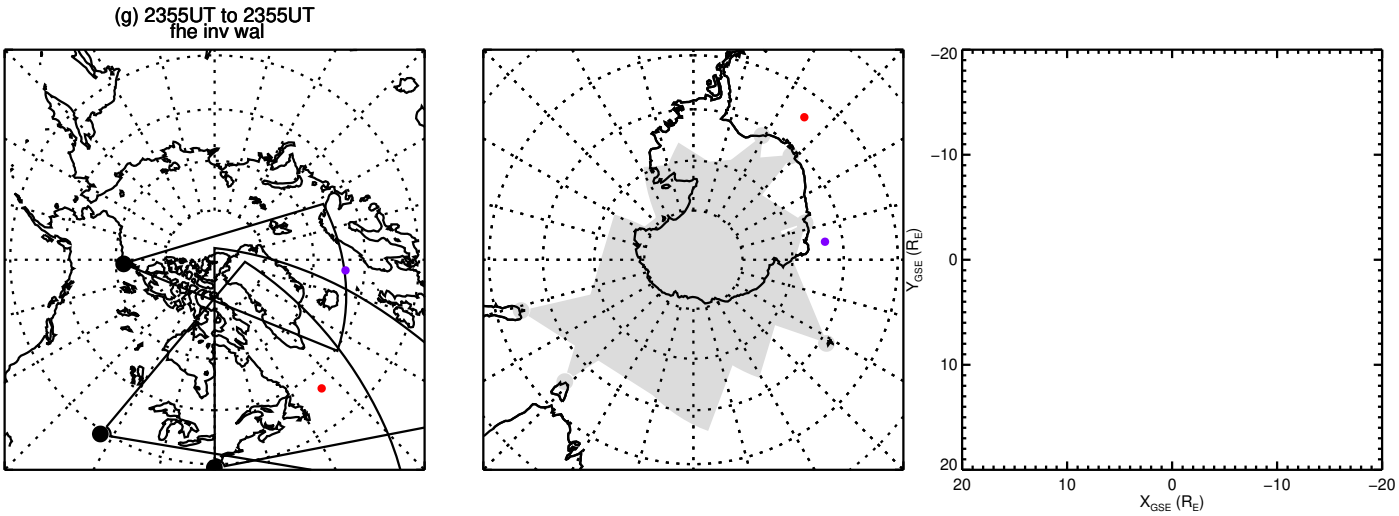
(f) 2115UT to 2145UT
adw



zho



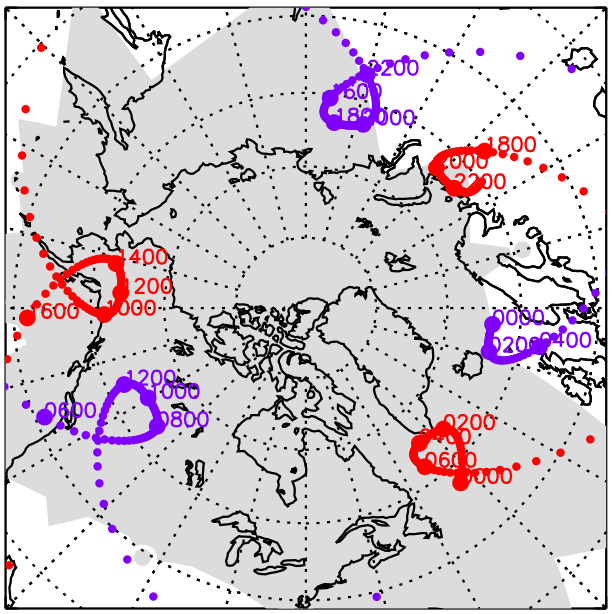


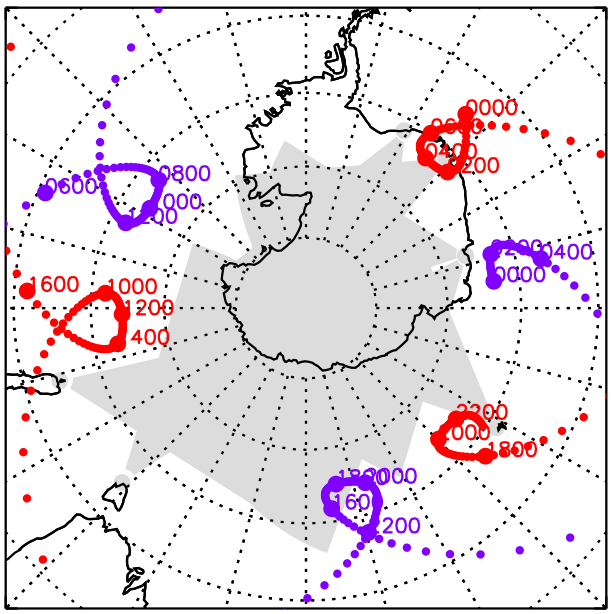

(g) 2355UT to 2355UT
fhe inv wal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

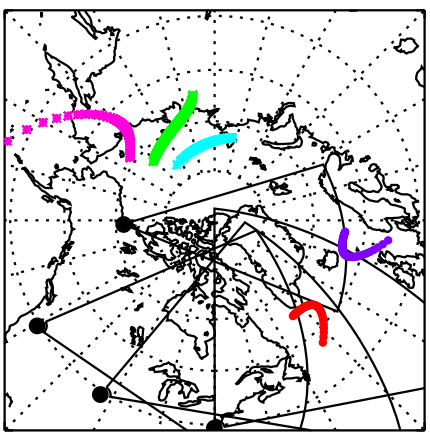
07–Mar–2013

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

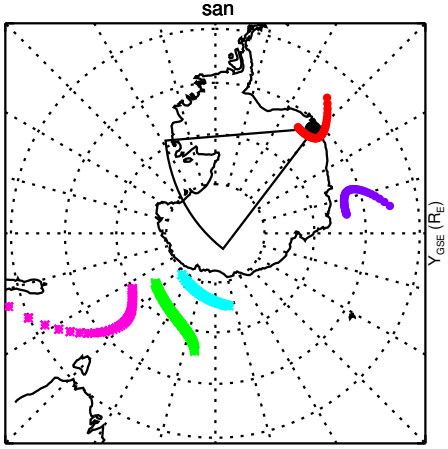


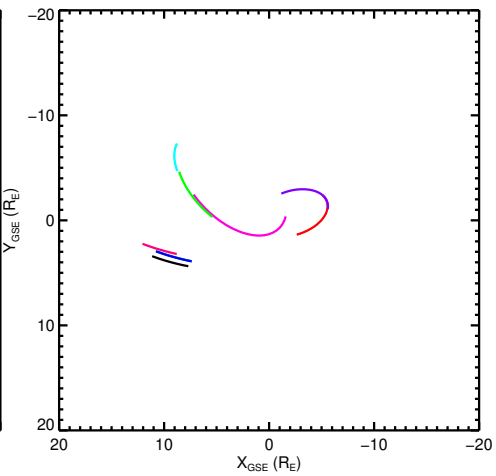


(a) 0000UT to 0410UT
cve fhe inv wal

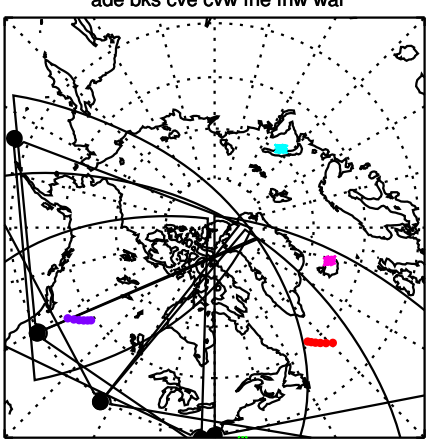


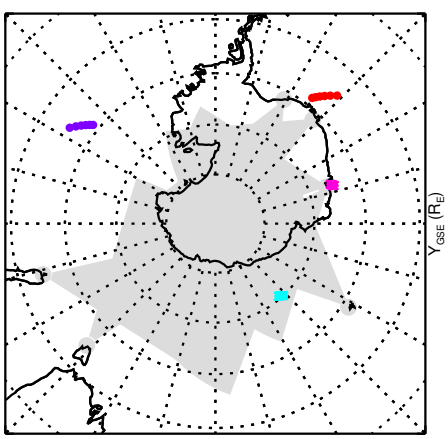
san

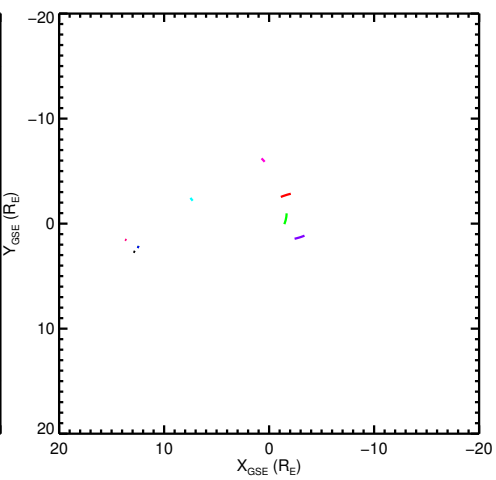




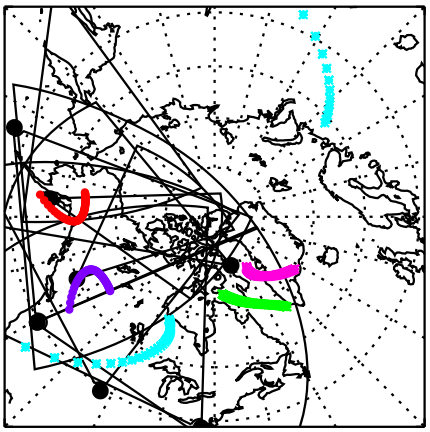
(b) 0620UT to 0645UT
ade bks cve cvw fhe fhw wal

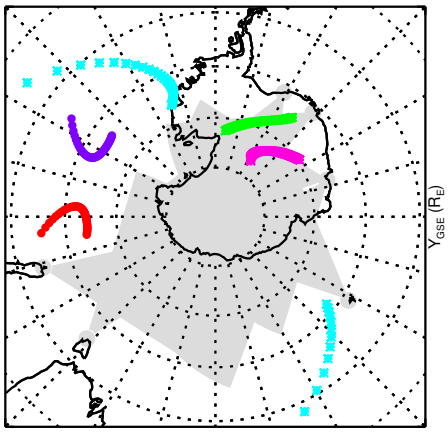


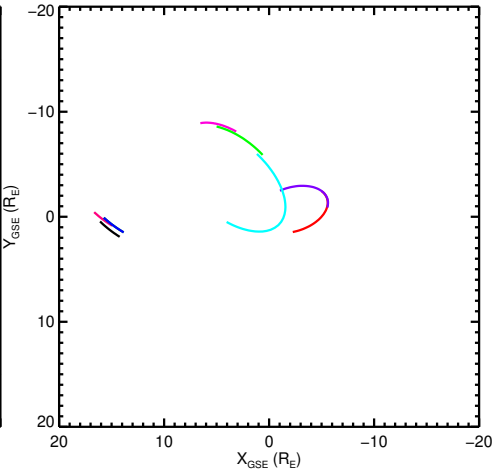




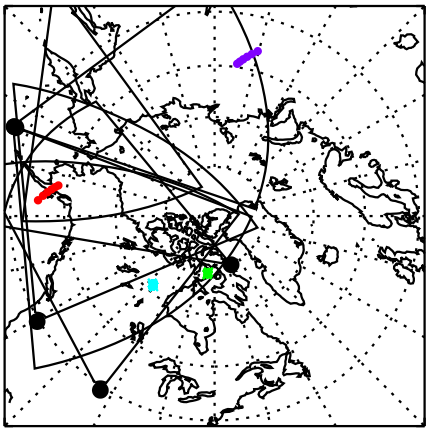
(c) 0850UT to 1315UT
ade bks cly cve cvw fhw hok kod pgr



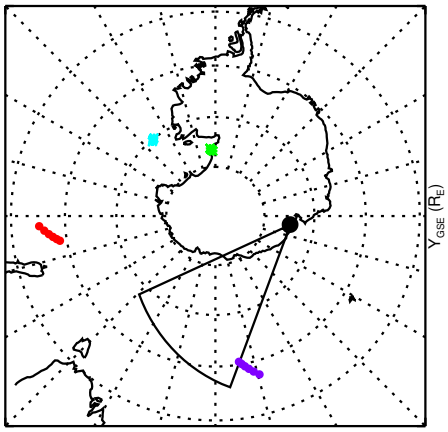


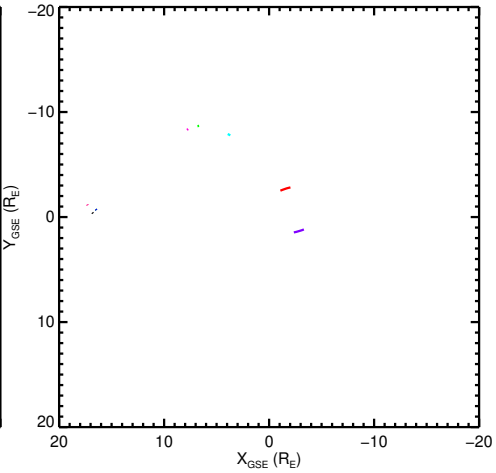


(d) 1520UT to 1545UT
ade adw cly cvw fhw hok

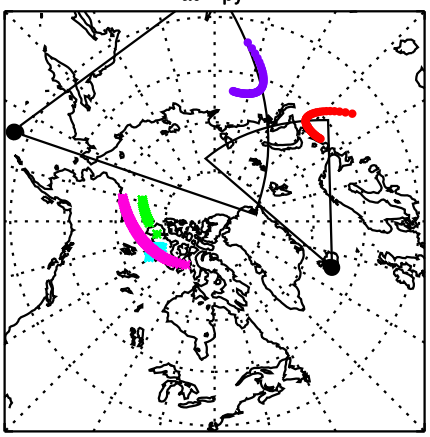


zho

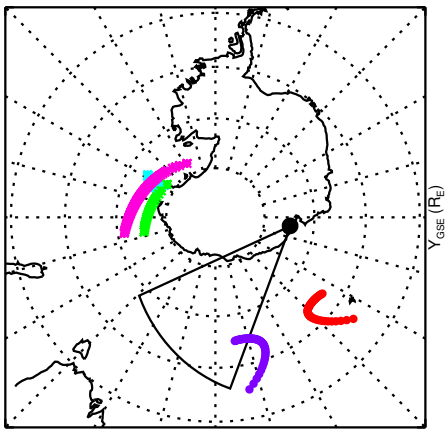


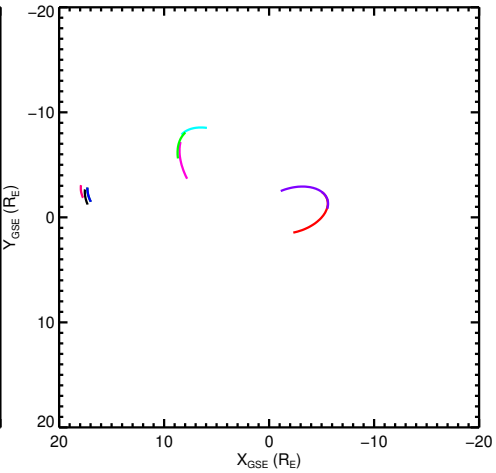


(e) 1750UT to 2215UT
adw pyk



zho

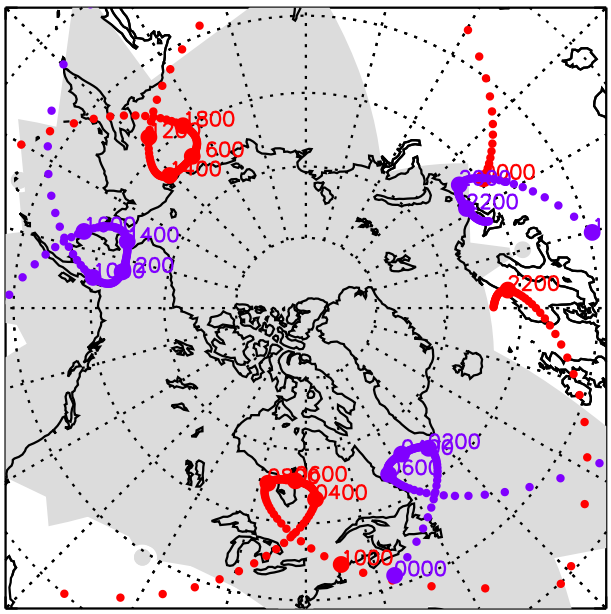


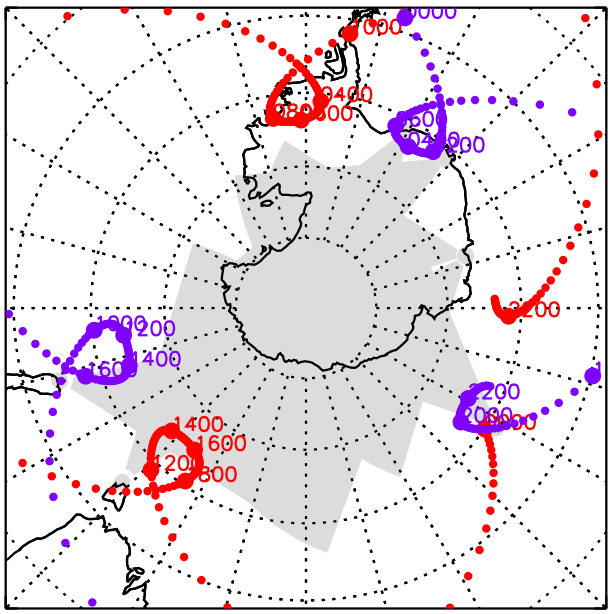


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

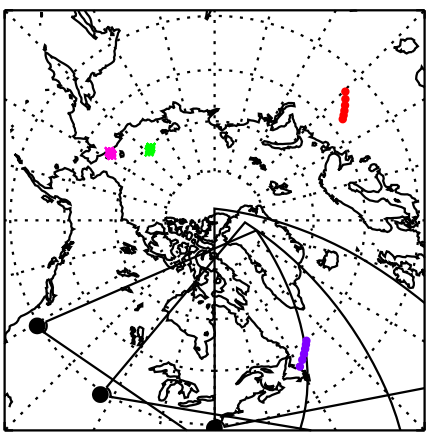
08–Mar–2013

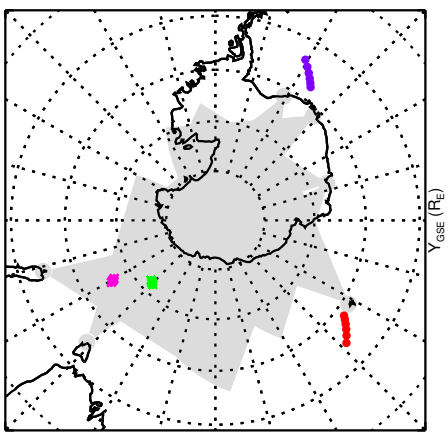
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

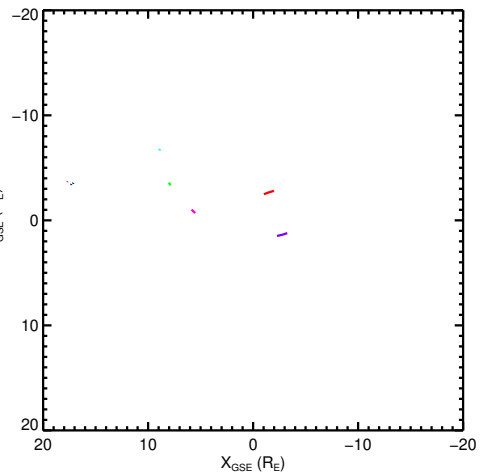




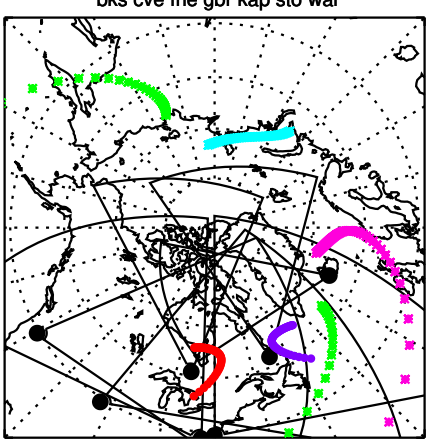
(a) 0020UT to 0045UT
cve fhe wal



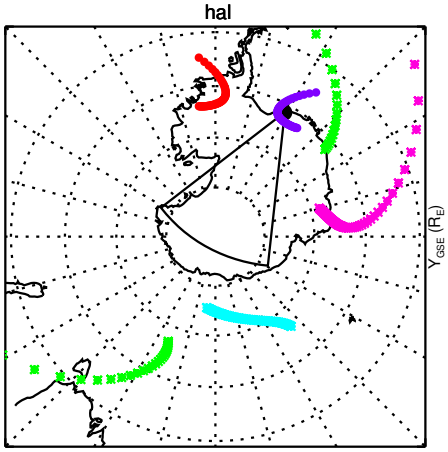


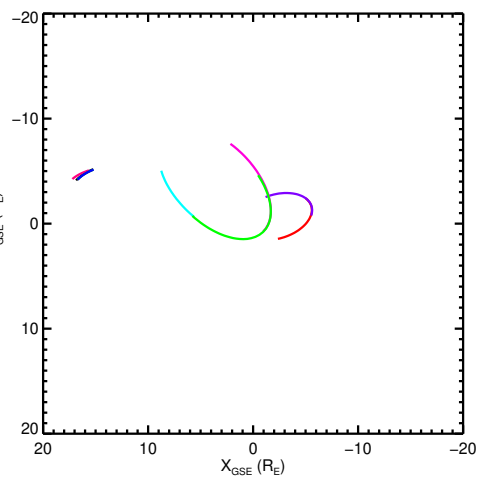


(b) 0250UT to 0715UT
bks cve fhe gbr kap sto wal

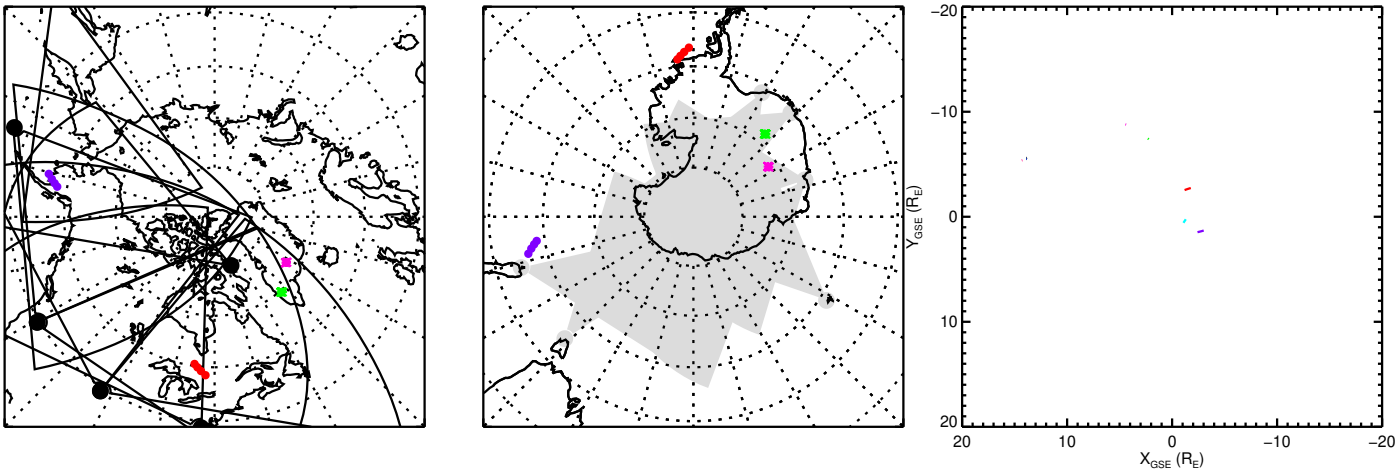


hal



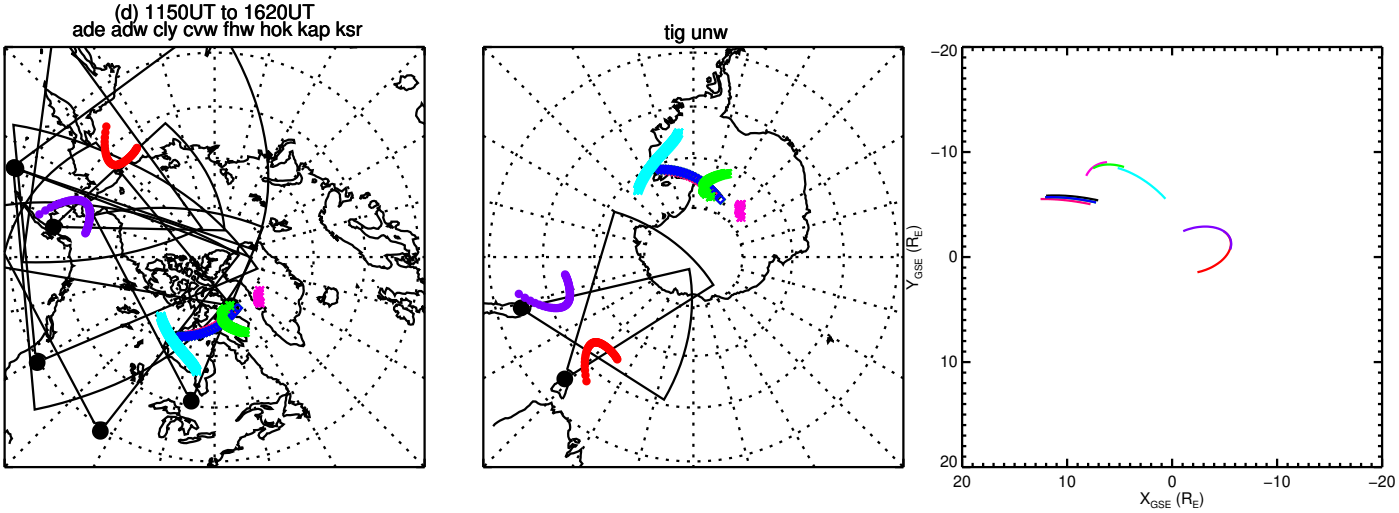


(c) 0925UT to 0940UT
ade bks cly cve cvw fhe fhw hok

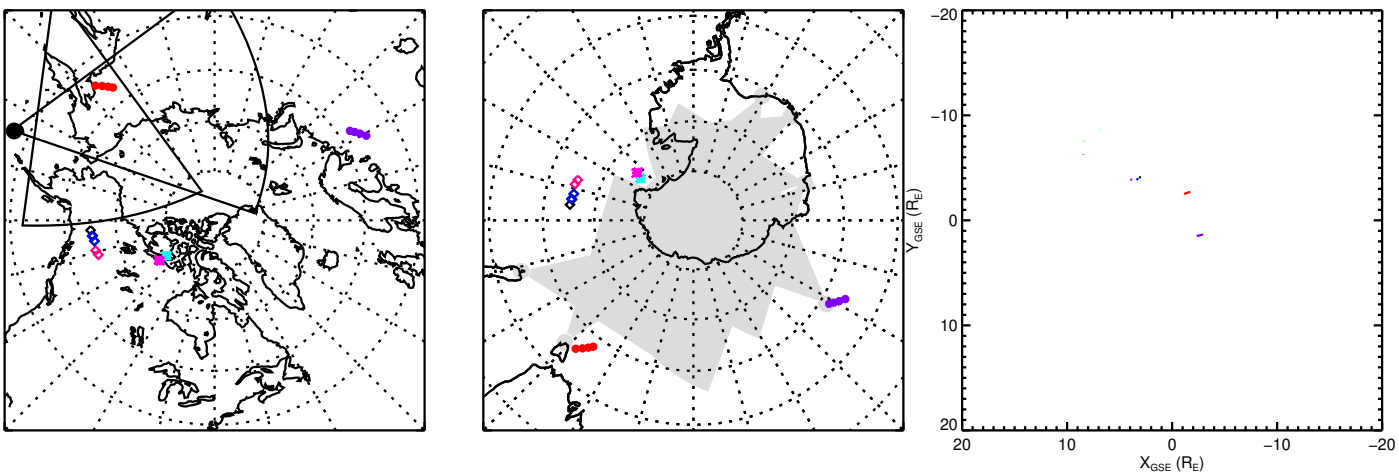


(d) 1150UT to 1620UT
ade adw cly cvw fhw hok kap ksr

tig unw

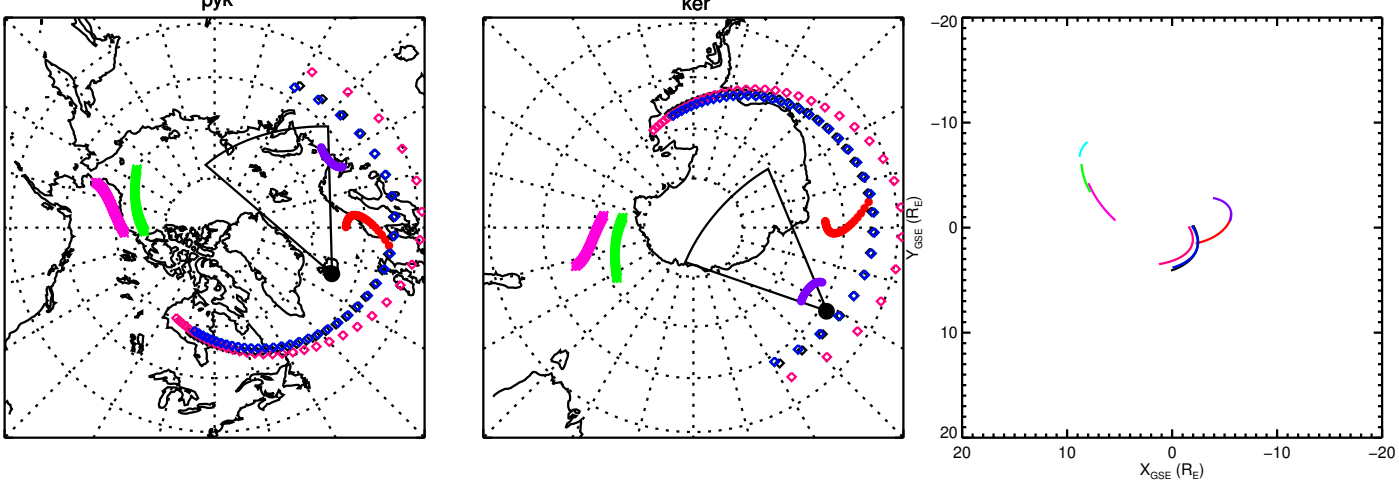


(e) 1825UT to 1840UT
adw hok



(f) 2045UT to 2355UT
pyk

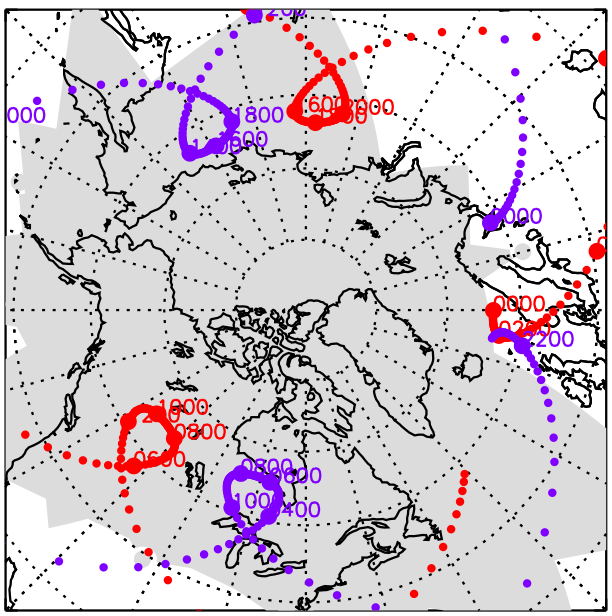
ker

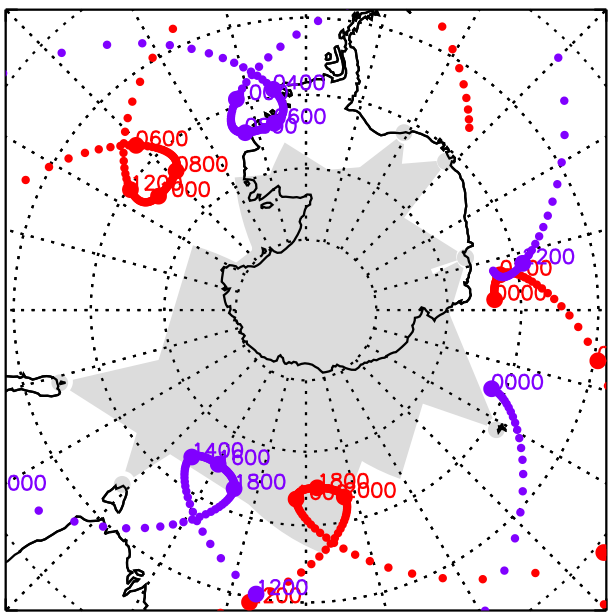


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

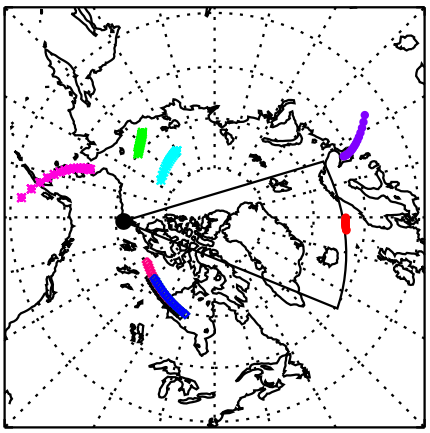
09–Mar–2013

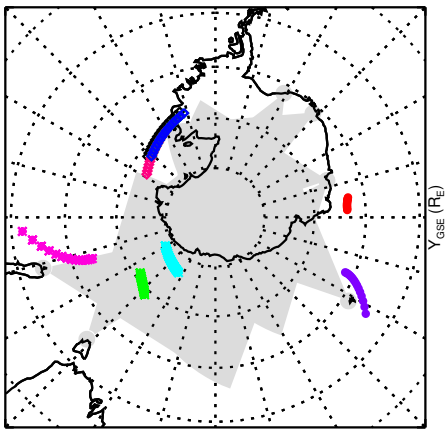
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

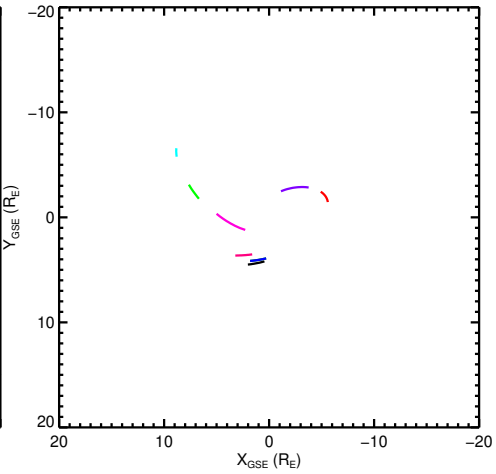




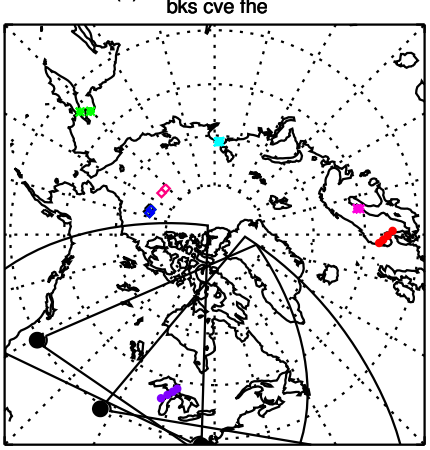
(a) 0000UT to 0120UT
inv

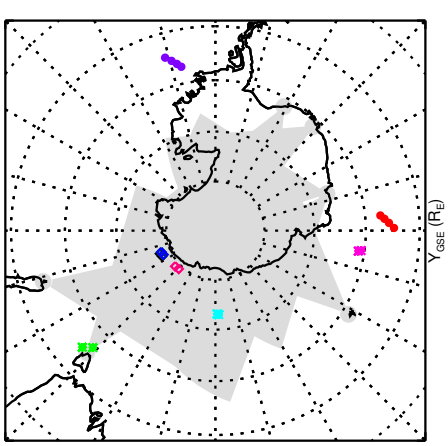


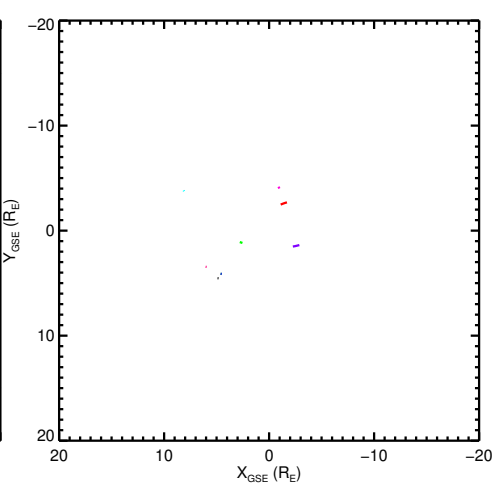




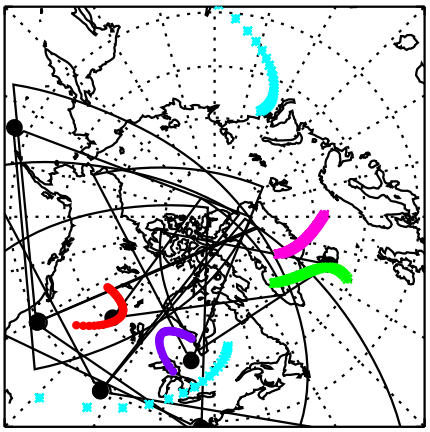
(b) 0325UT to 0340UT
bks cve fhe

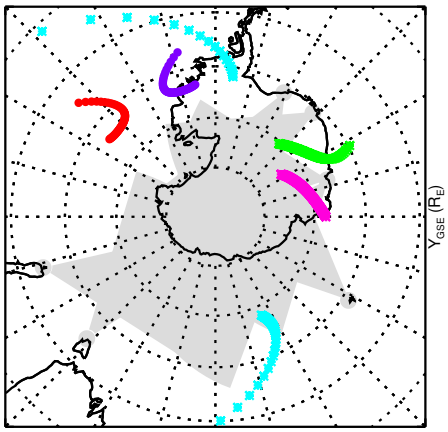


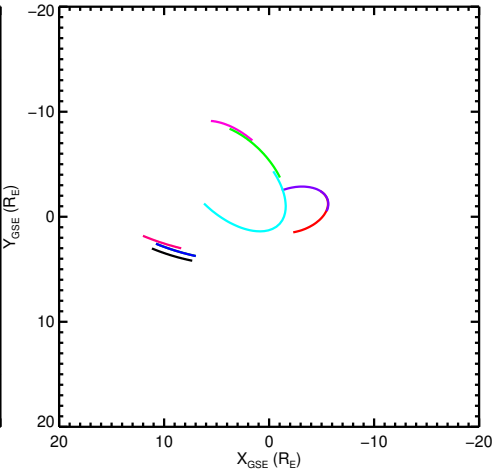




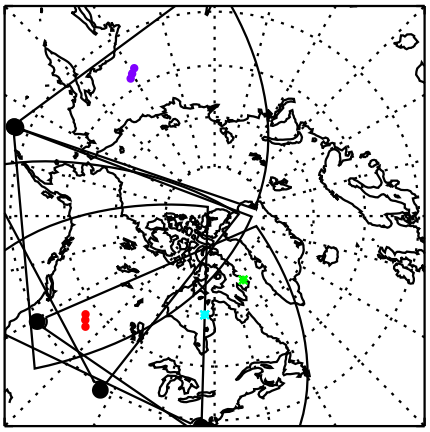
(c) 0545UT to 1020UT
ade bks cve cvw fhe fhw kap sas sto

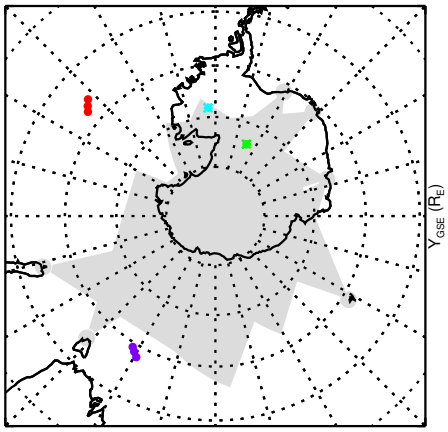


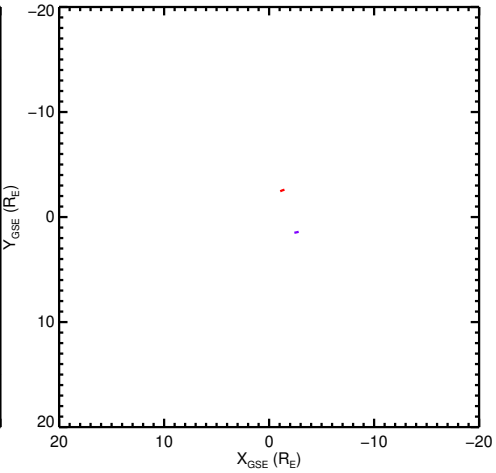




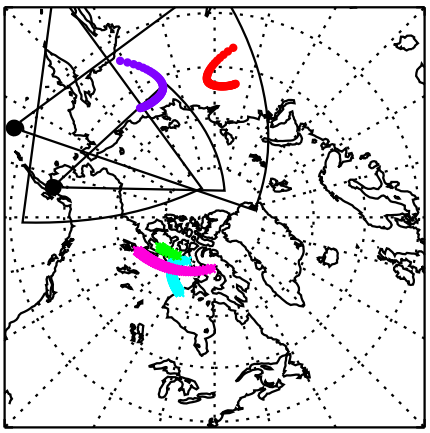
(d) 1230UT to 1240UT
ade adw bks cve fhw



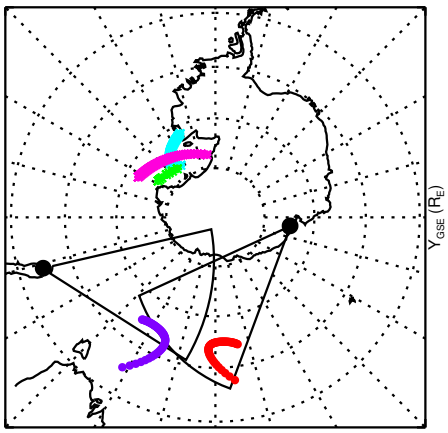


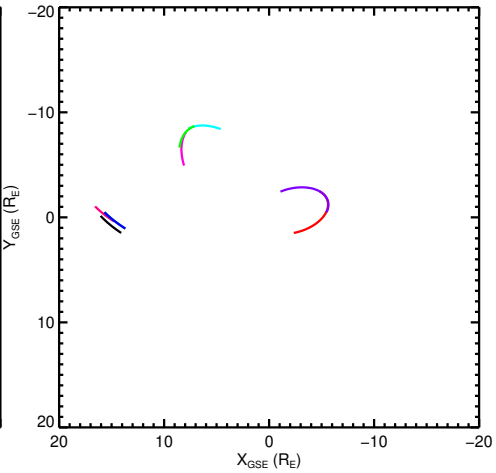


(e) 1445UT to 1925UT
adw hok ksr

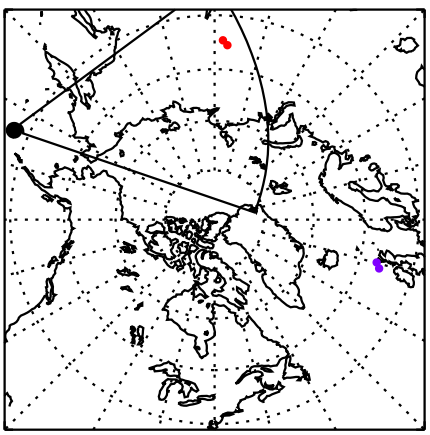


unw zho

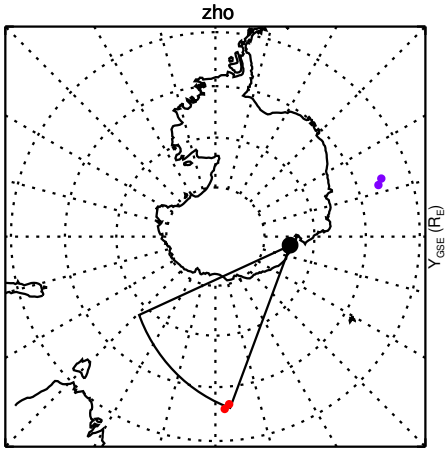


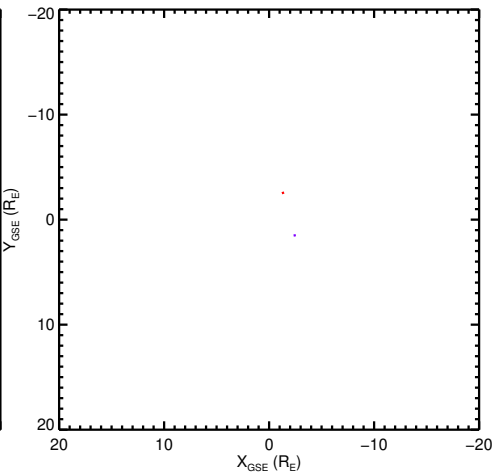


(f) 2130UT to 2135UT
adw

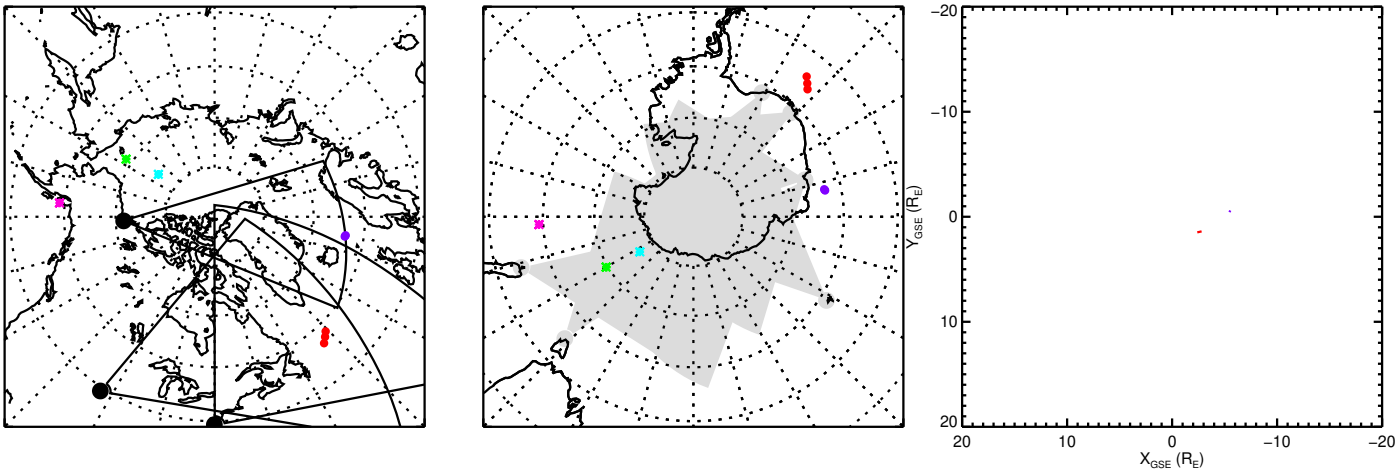


zho





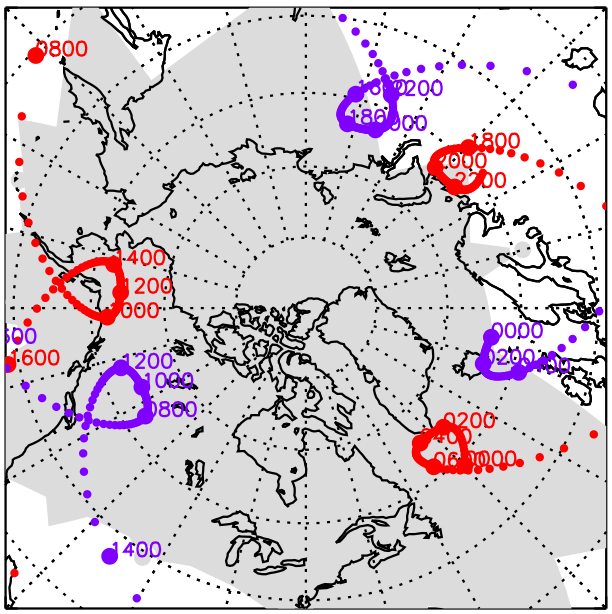
(g) 2345UT to 2355UT
fhe inv wal

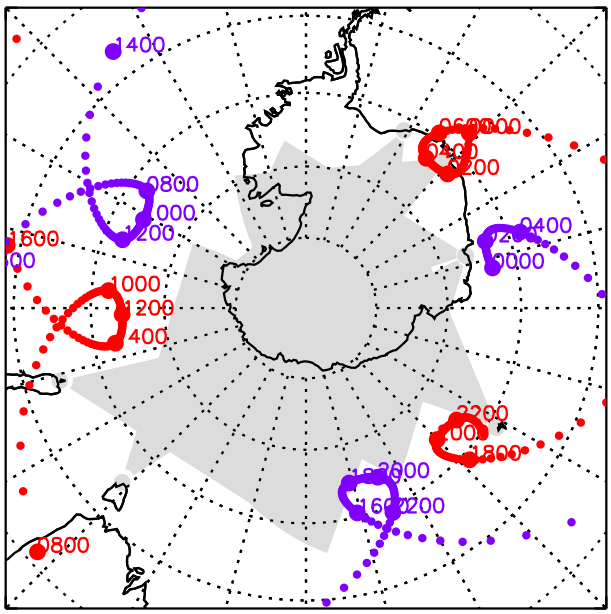


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

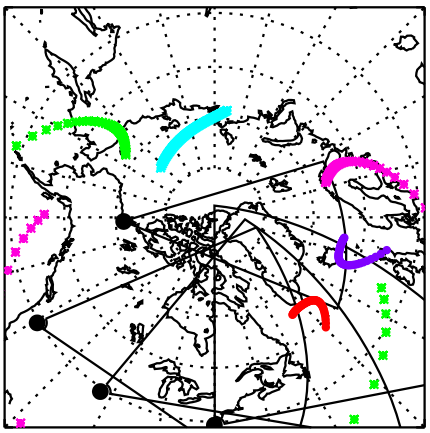
10–Mar–2013

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

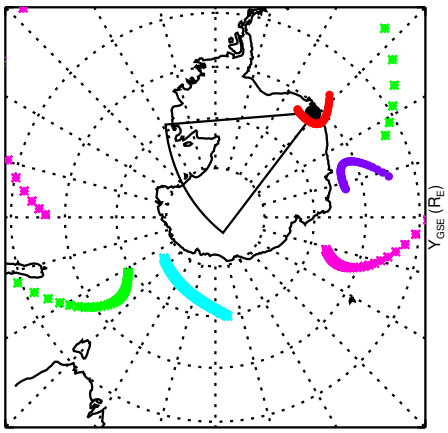


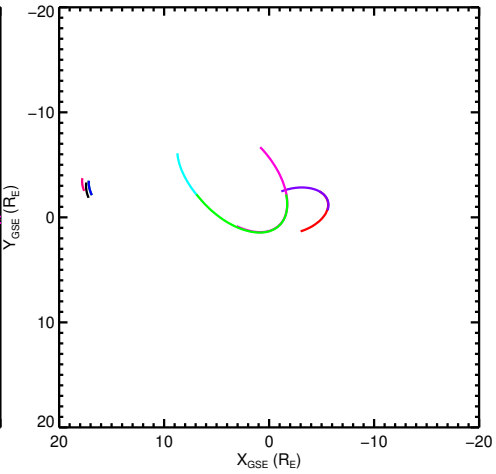


(a) 0000UT to 0425UT
cve fhe inv wal

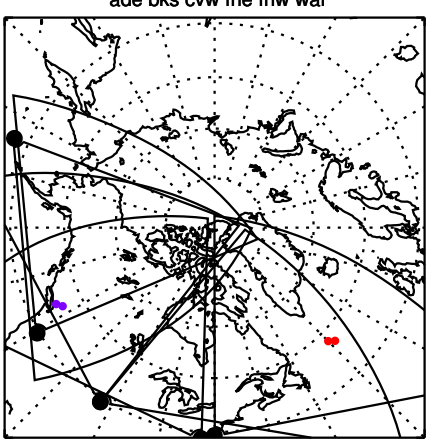


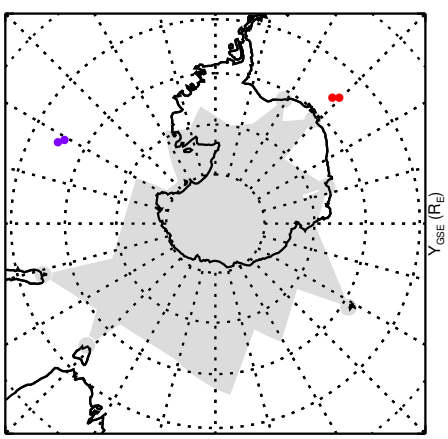
san

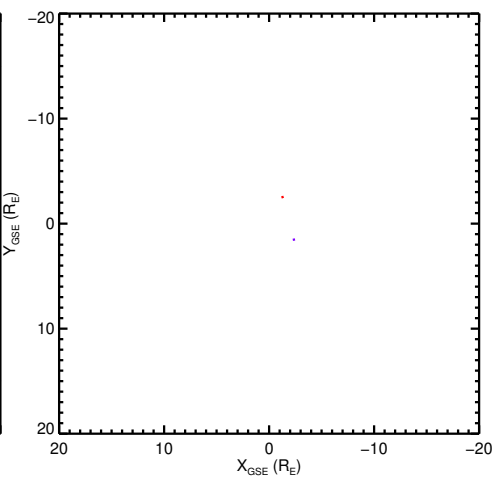




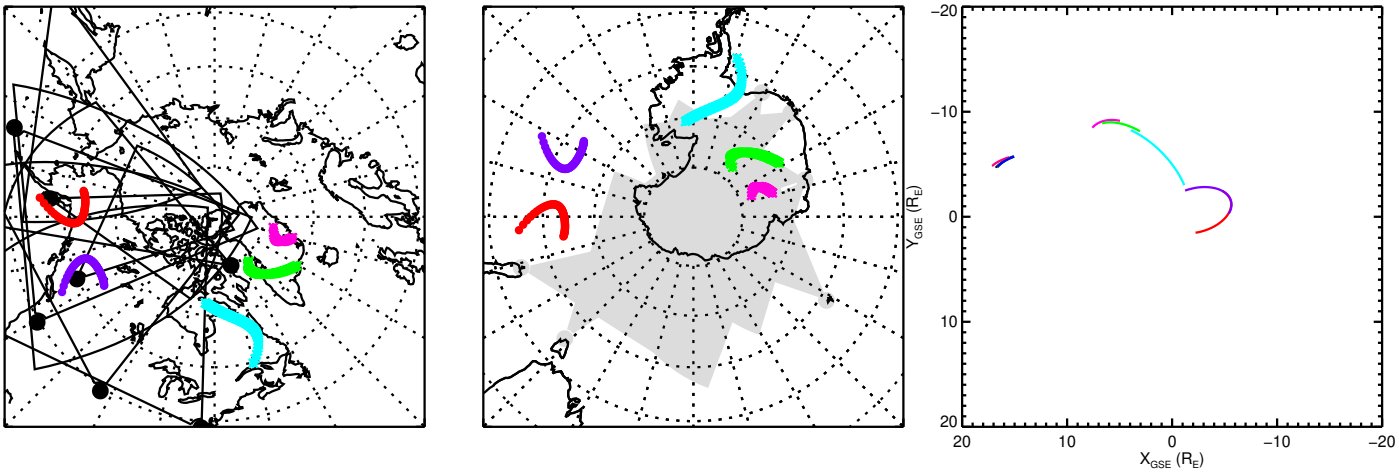
(b) 0630UT to 0635UT
ade bks cvw fhe fhw wal



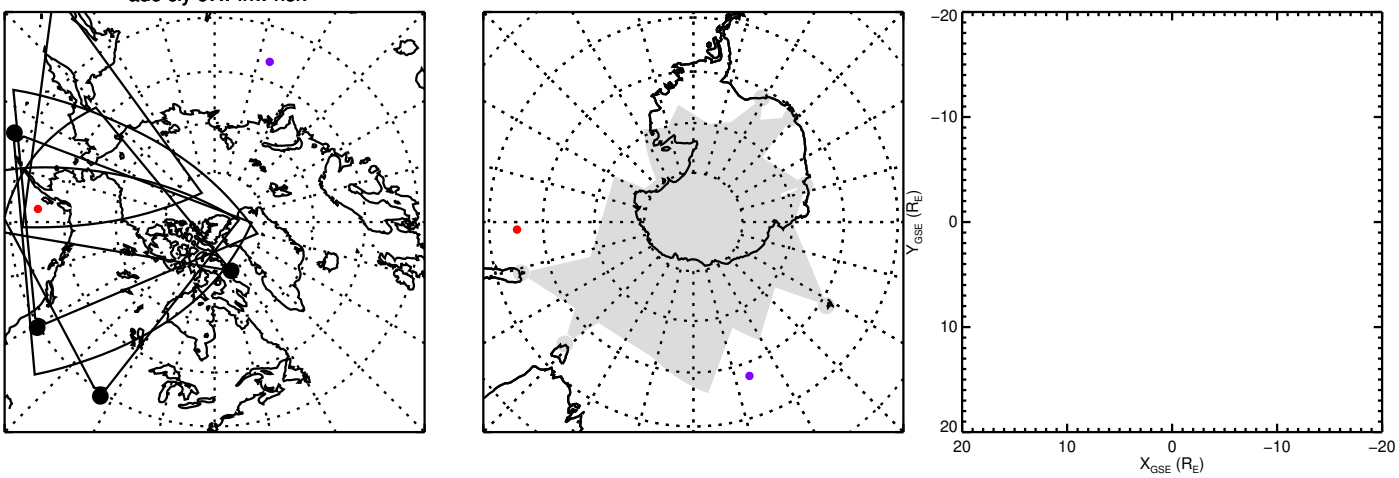




(c) 0840UT to 1325UT
ade bks cly cvw fhw hok kod pgr

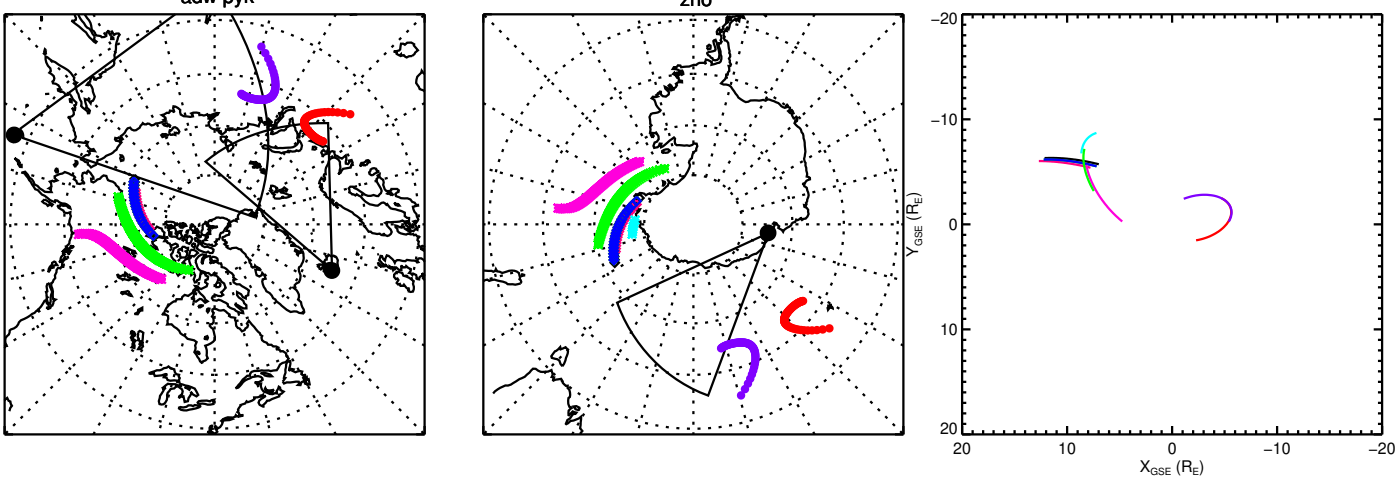


(d) 1535UT to 1535UT
ade cly cvw fhw hok



(e) 1740UT to 2230UT
adw pyk

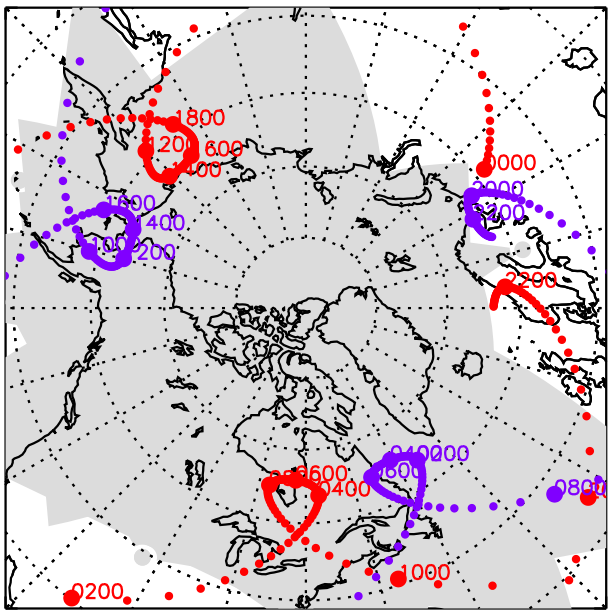
zho

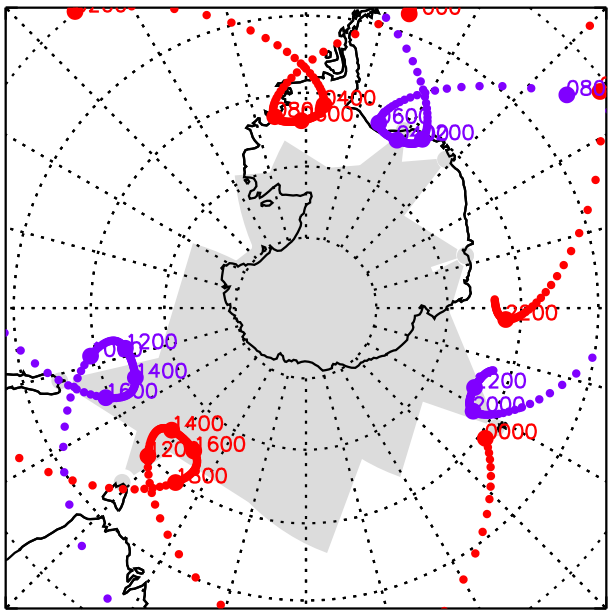


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

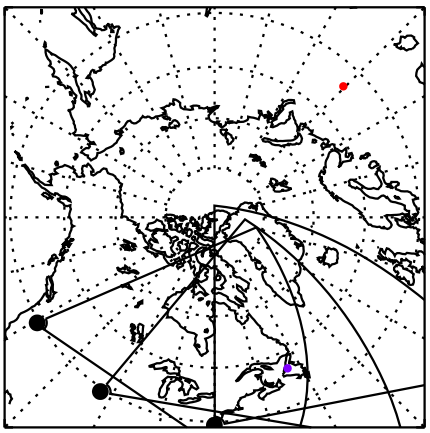
11–Mar–2013

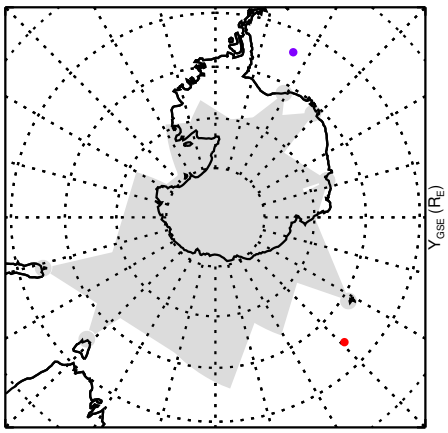
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

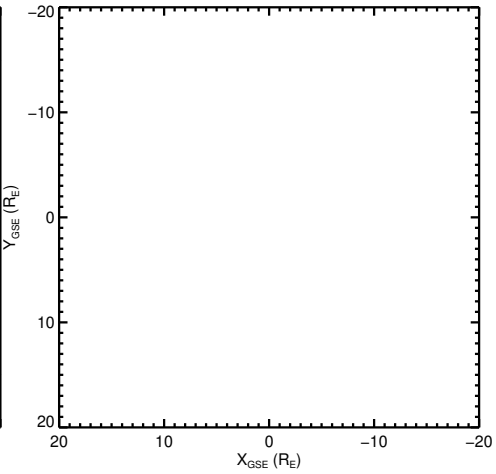




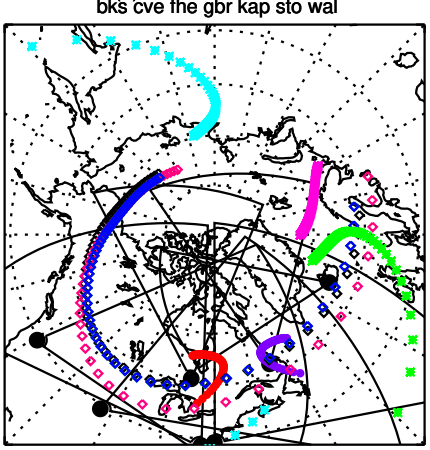
(a) 0035UT to 0035UT
cve fhe wal



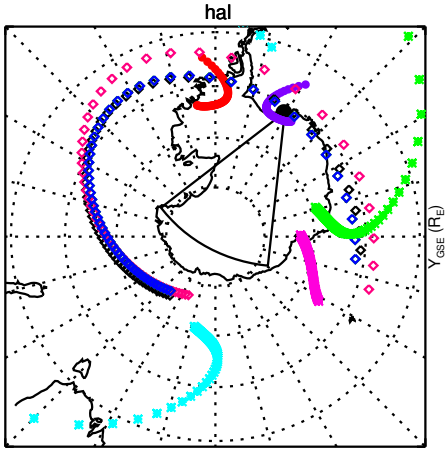


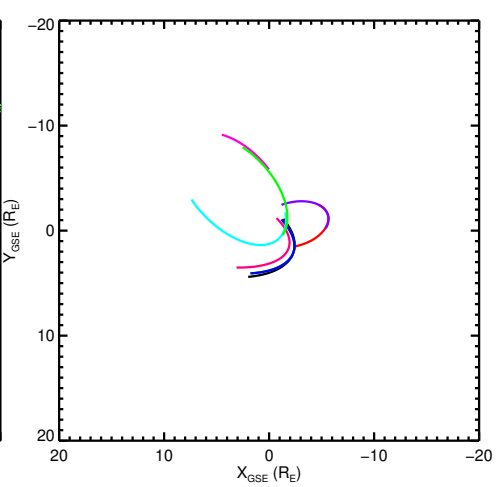


(b) 0240UT to 0730UT
bks cve fhe gbr kap sto wal

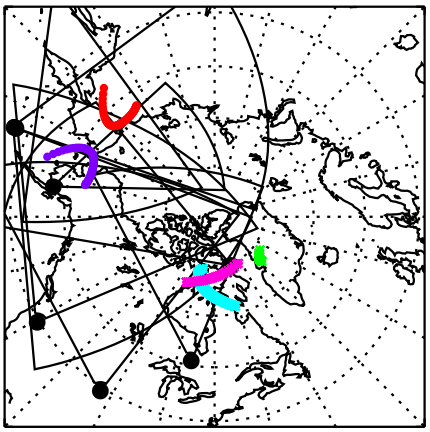


hal

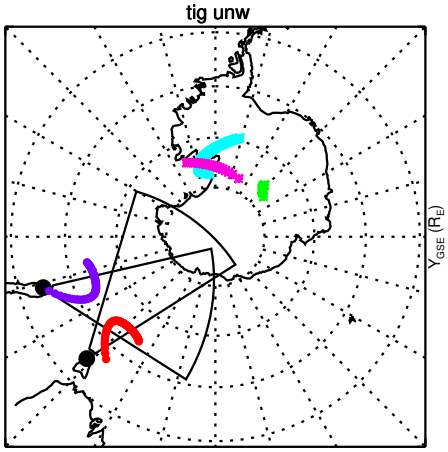


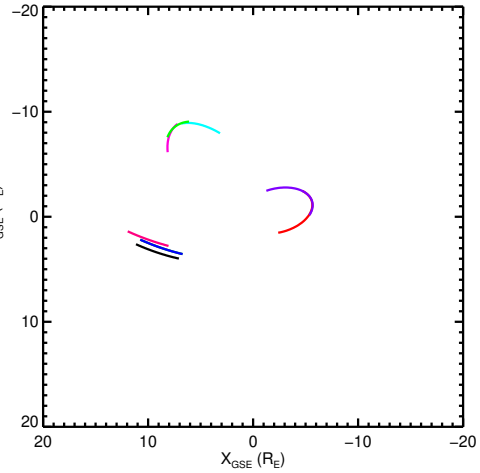


(c) 1140UT to 1630UT
ade adw cly cvw fhw hok kap ksr

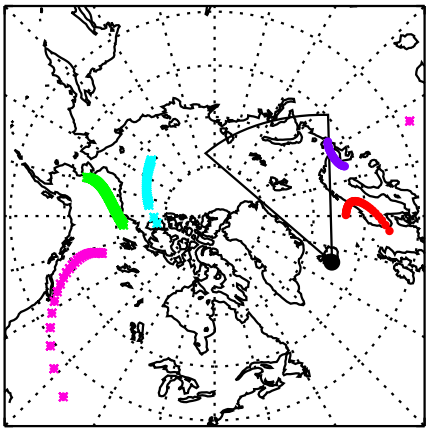


tig unw

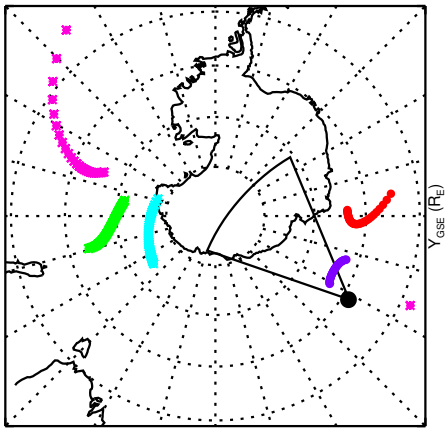


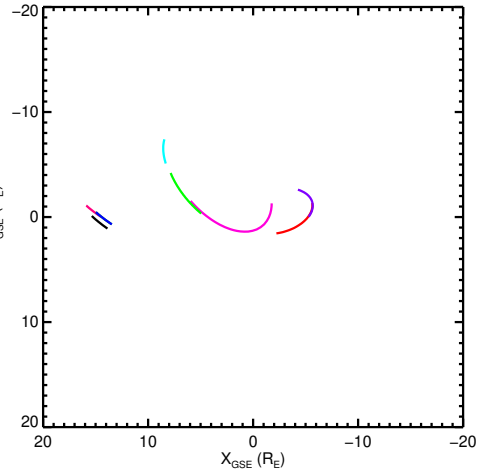


(d) 2035UT to 2355UT
pyk



ker

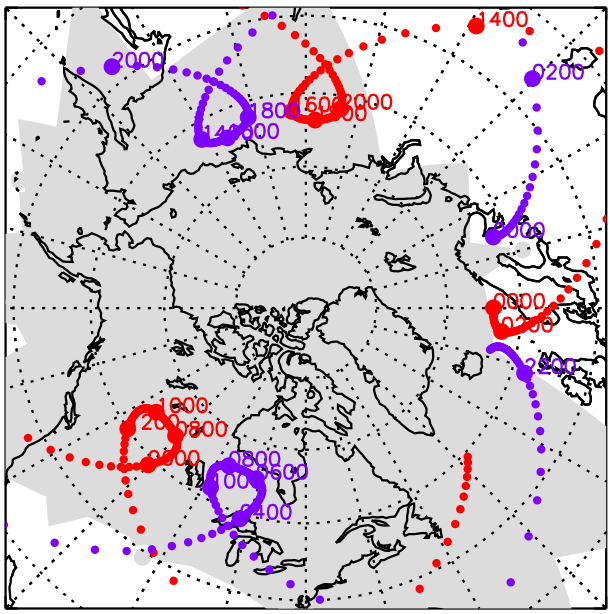


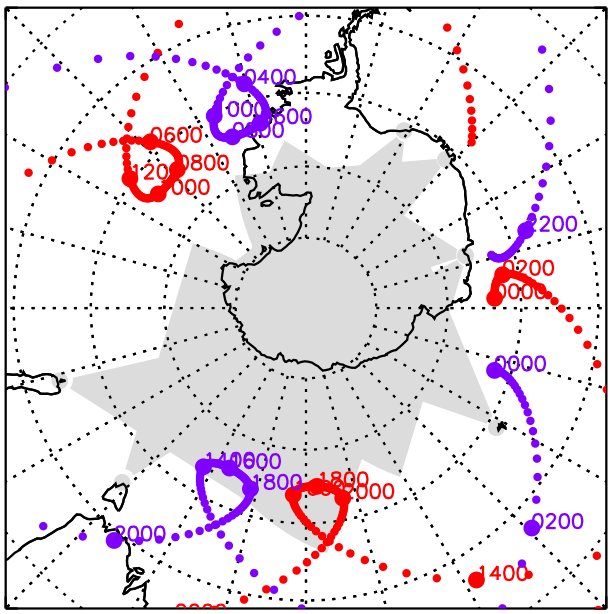


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

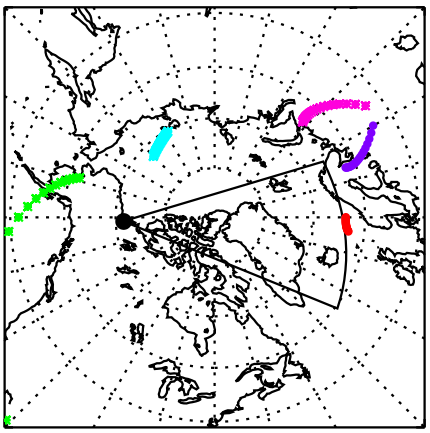
12–Mar–2013

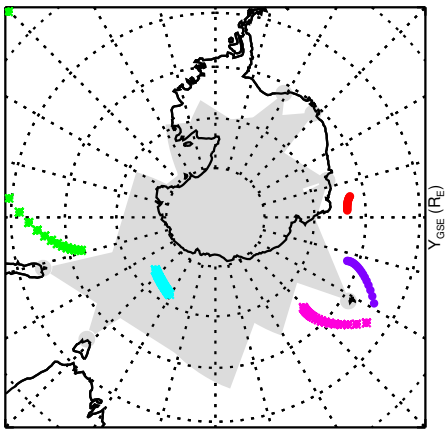
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

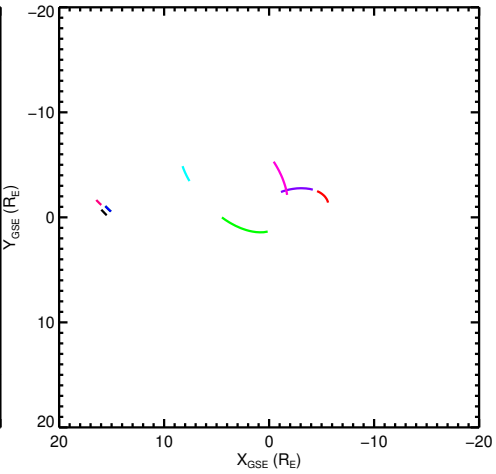




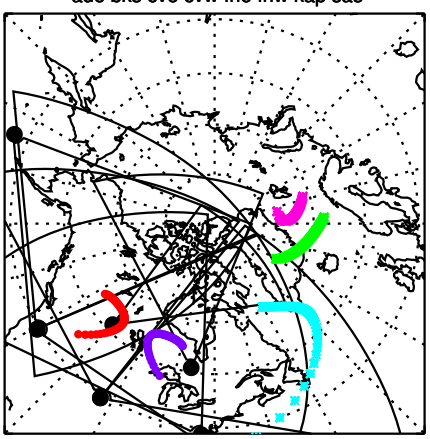
(a) 0000UT to 0135UT
inv

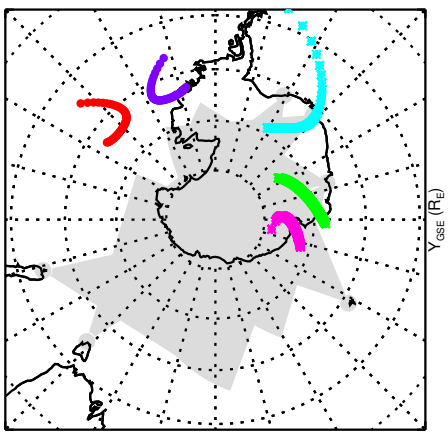


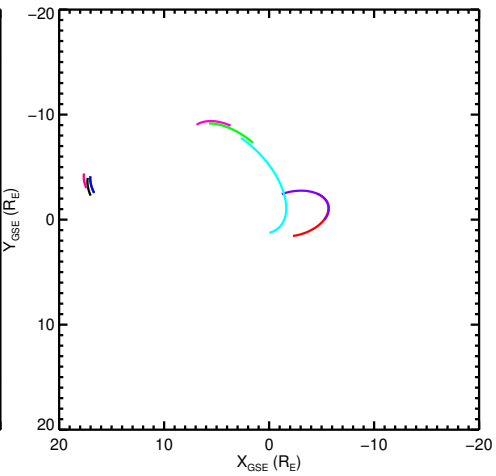




(b) 0535UT to 1035UT
ade bks cve cvw fhe fhw kap sas

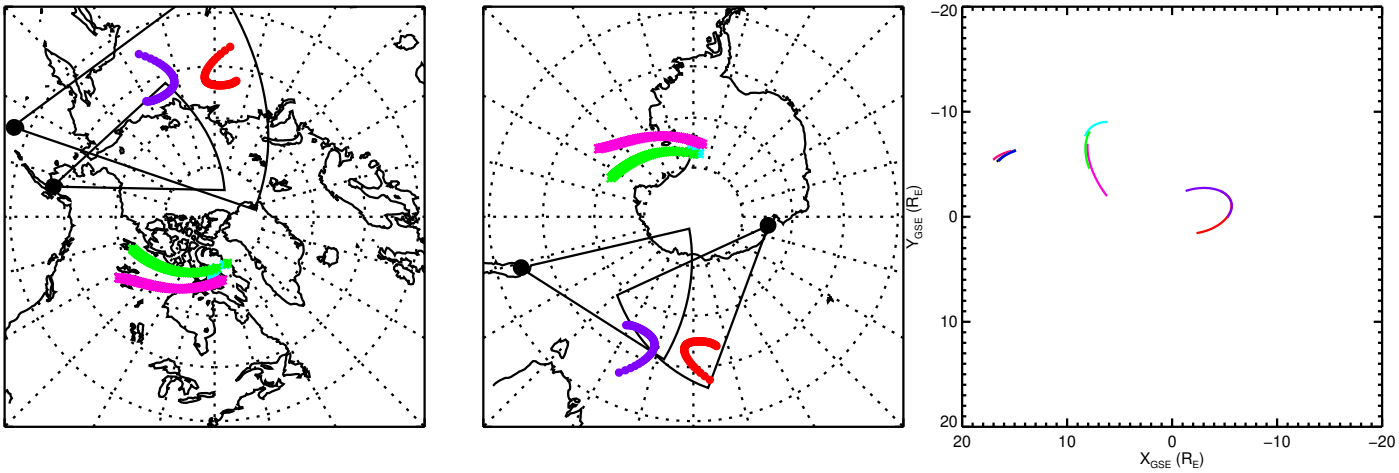




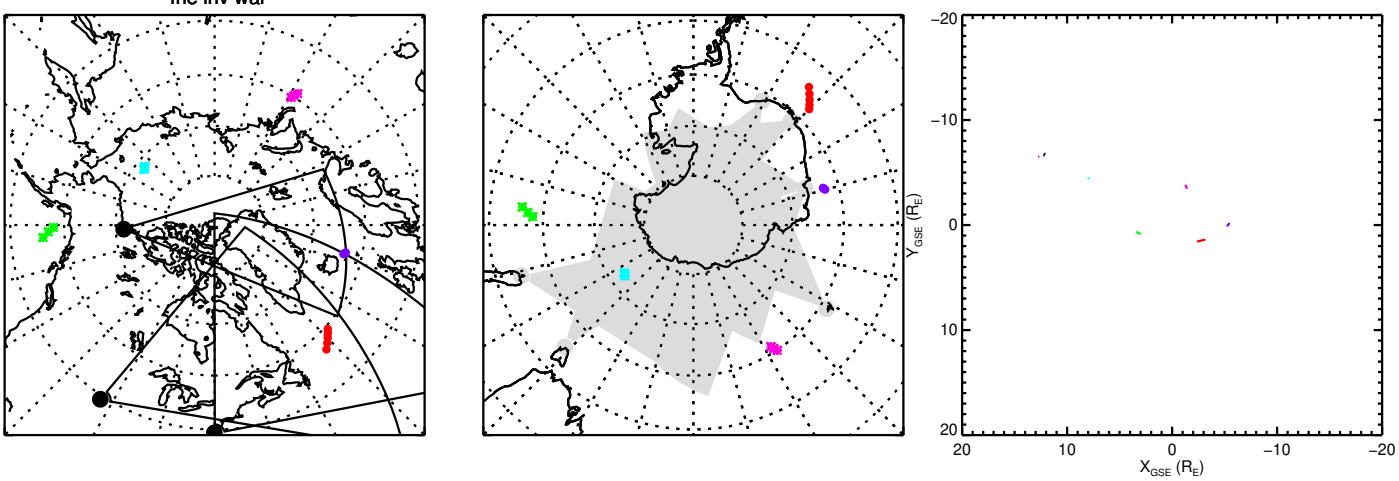


(c) 1435UT to 1935UT
adw ksr

unw zho



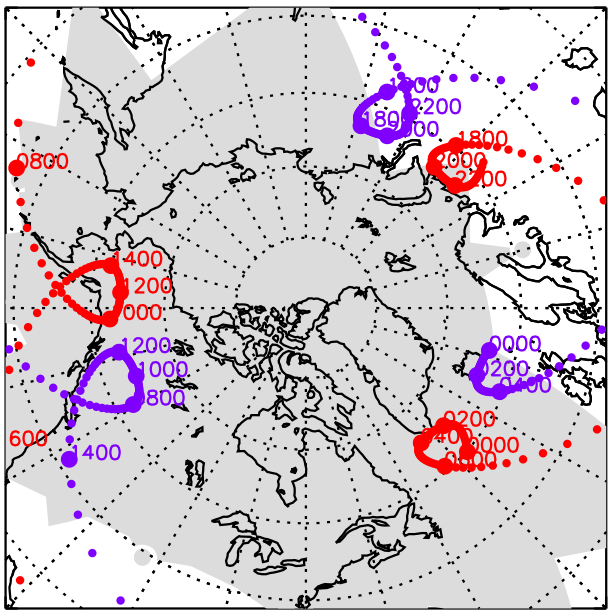
(d) 2335UT to 2355UT
fhe inv wal

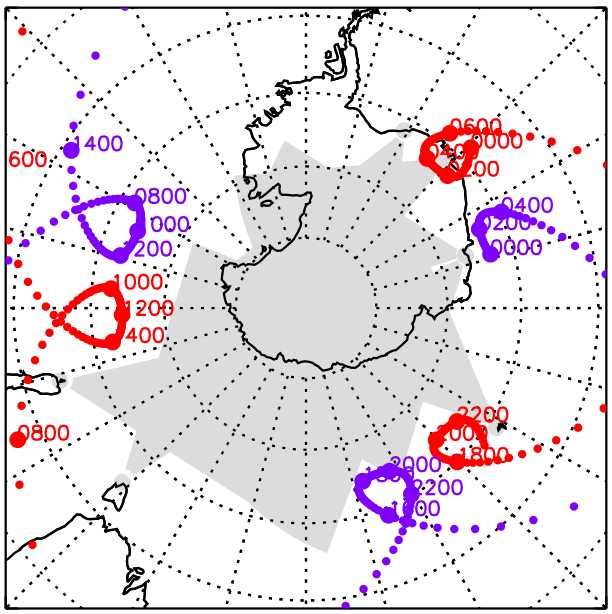


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

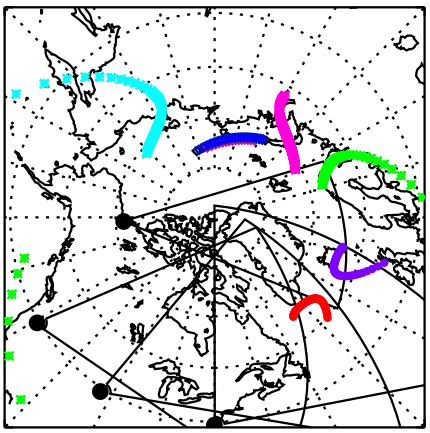
13–Mar–2013

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

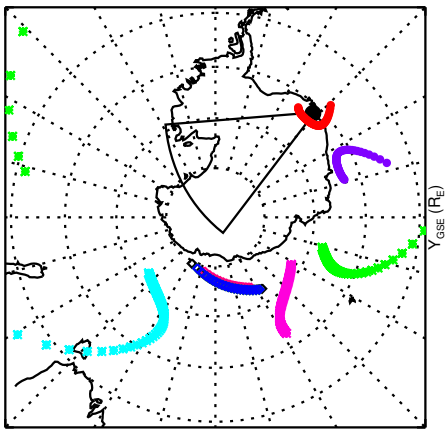


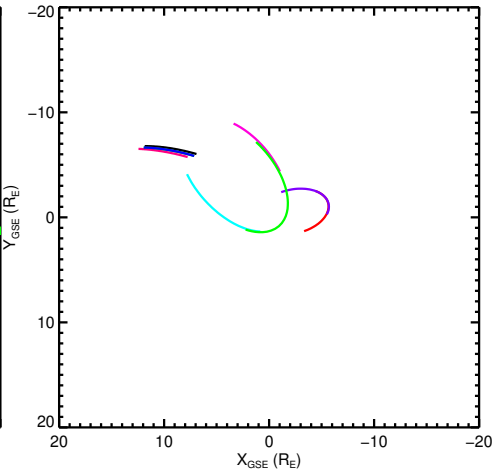


(a) 0000UT to 0440UT
cve fhe inv wal

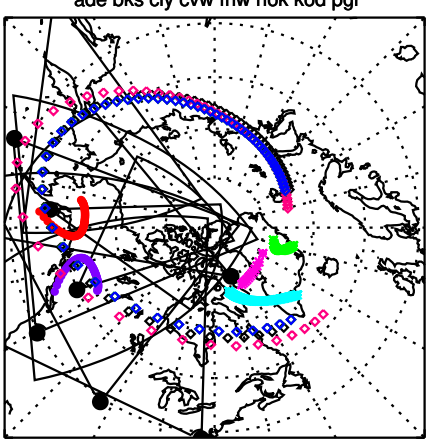


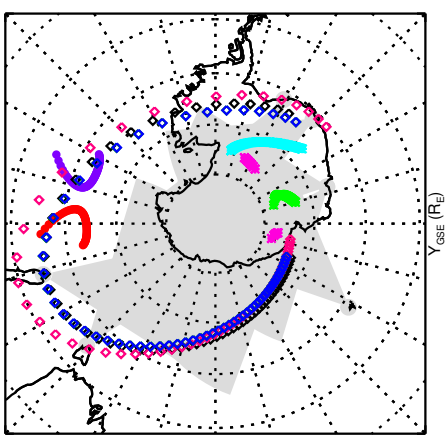
san

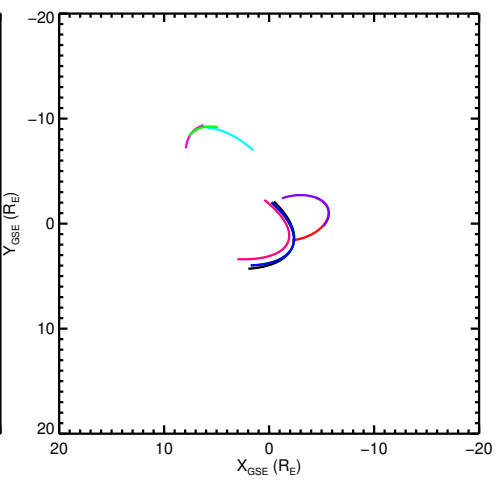


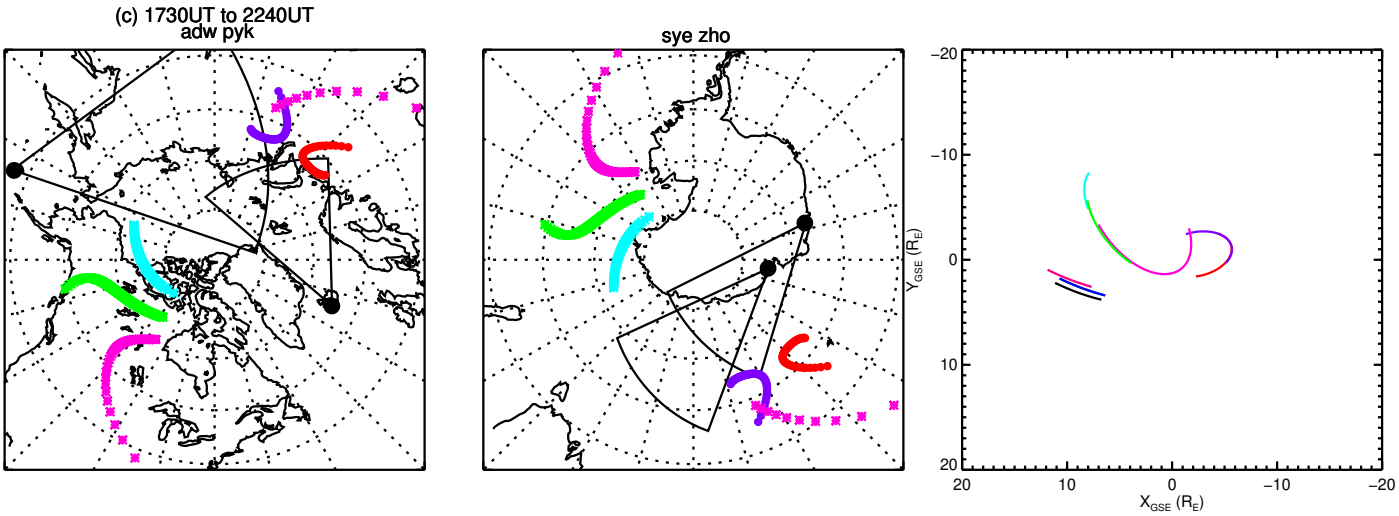


(b) 0830UT to 1340UT
ade bks cly cvw fhw hok kod pgr





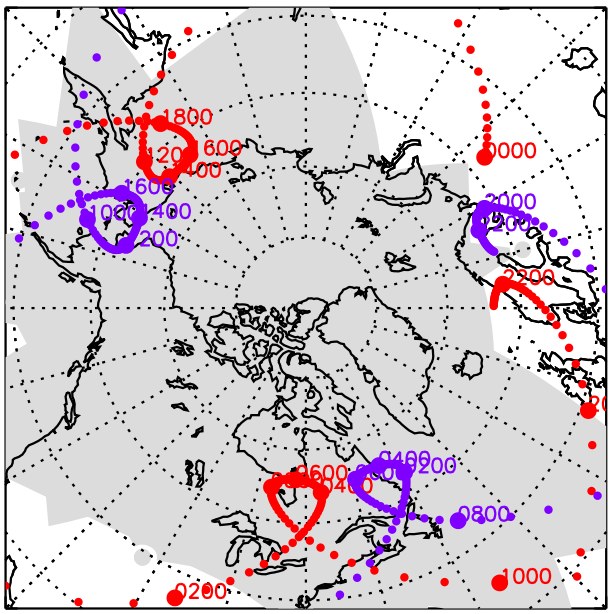


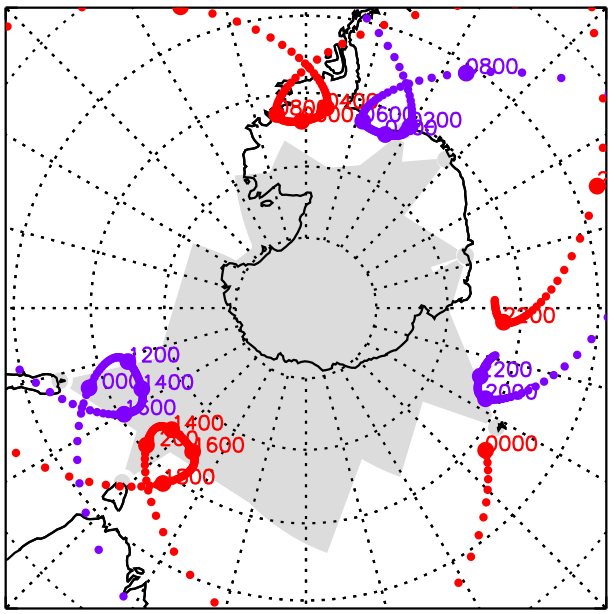

(c) 1730UT to 2240UT
adw pyk
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

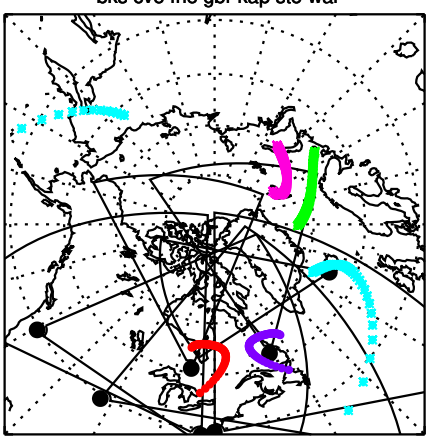
14–Mar–2013

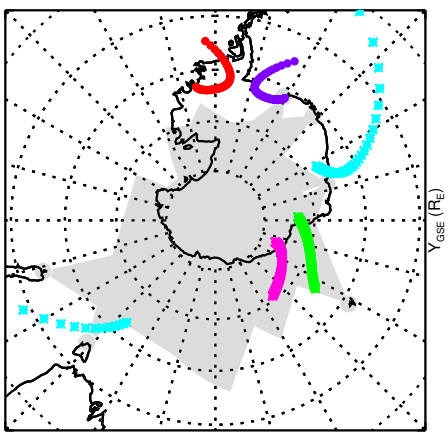
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

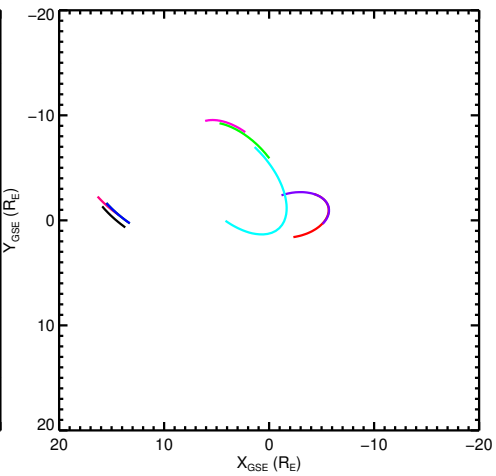




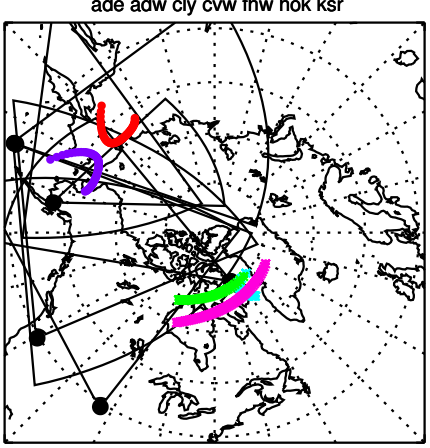
(a) 0230UT to 0745UT
bks cve fhe gbr kap sto wal



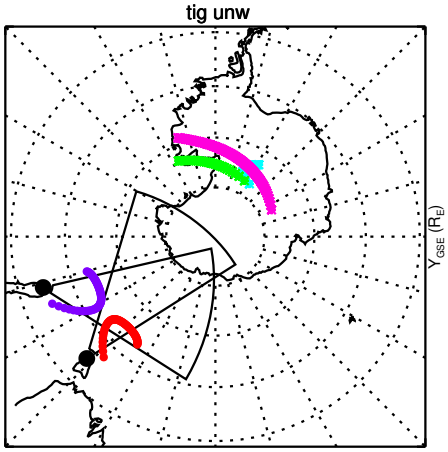


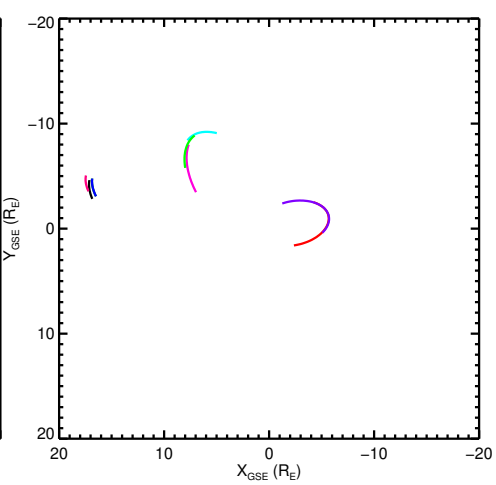


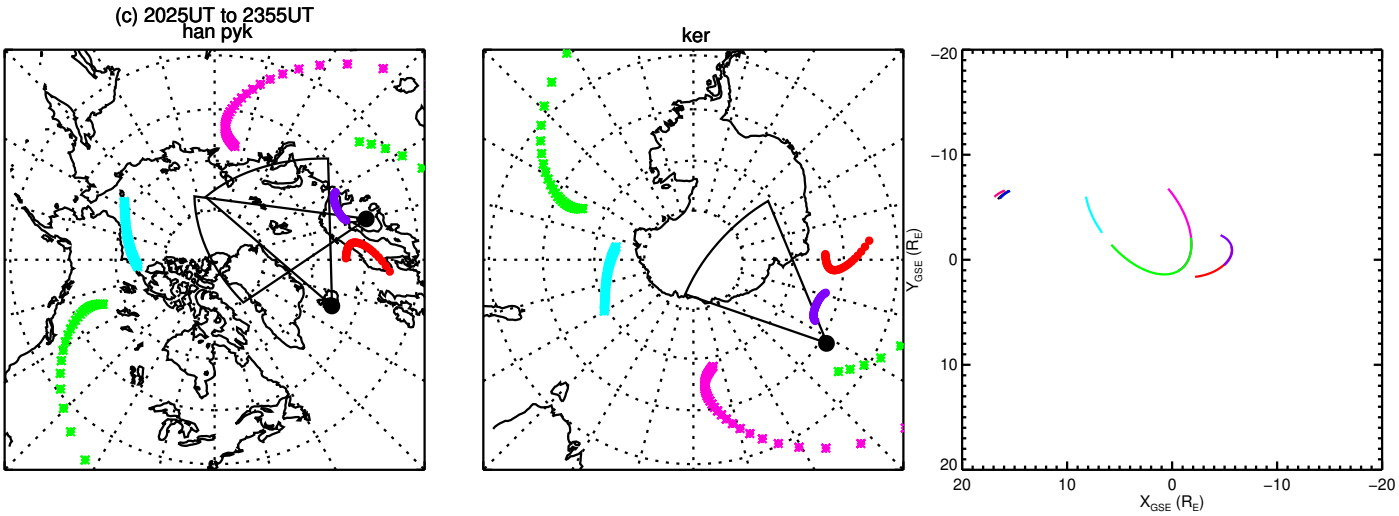
(b) 1130UT to 1645UT
ade adw cly cvw fhw hok ksr



tig unw



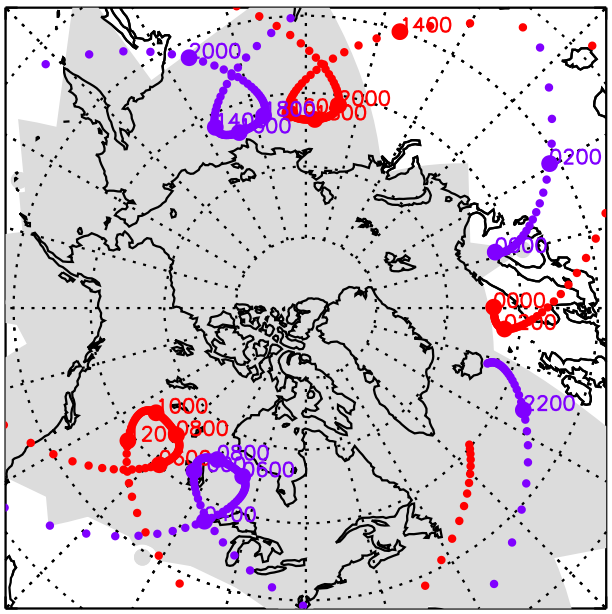


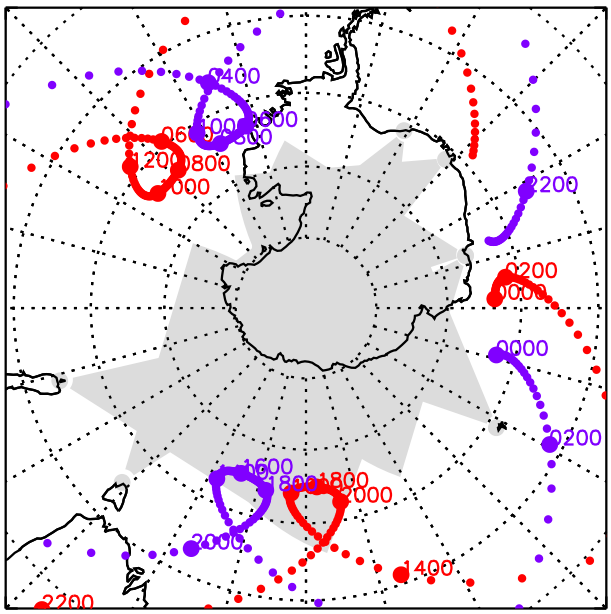

(c) 2025UT to 2355UT
han pyk
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

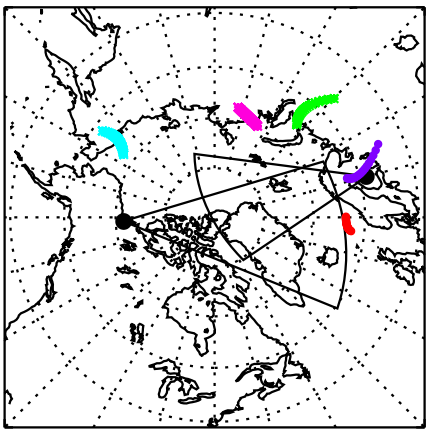
15–Mar–2013

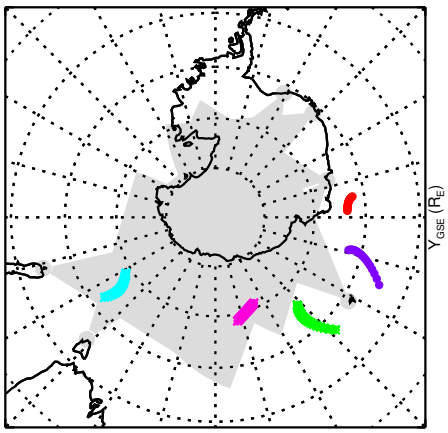
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

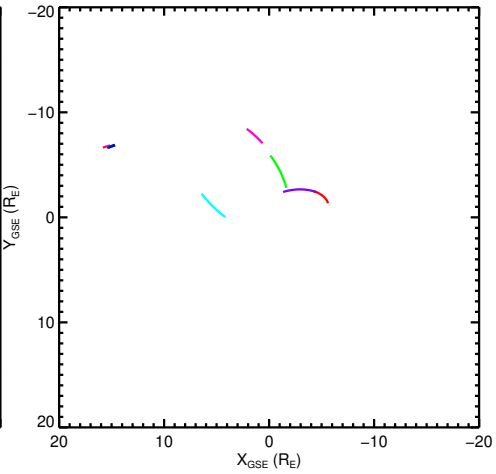




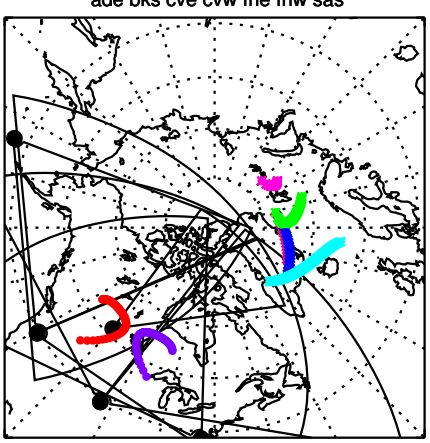
(a) 0000UT to 0145UT
han inv

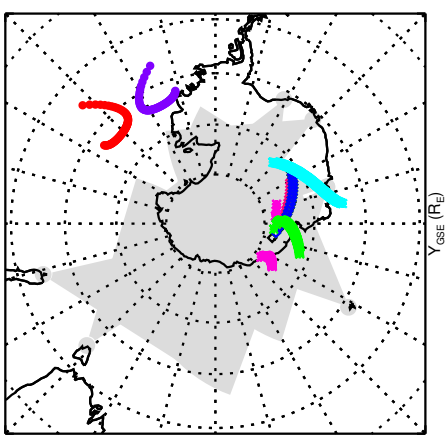


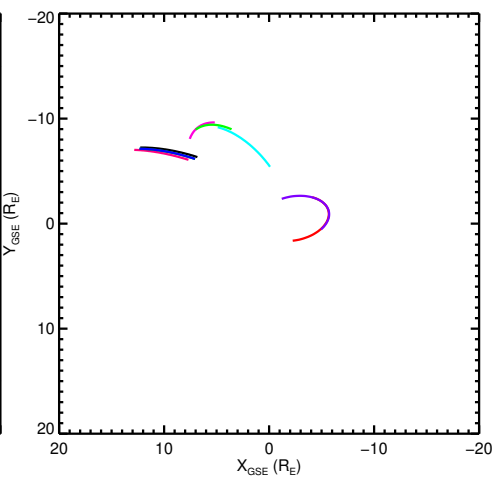




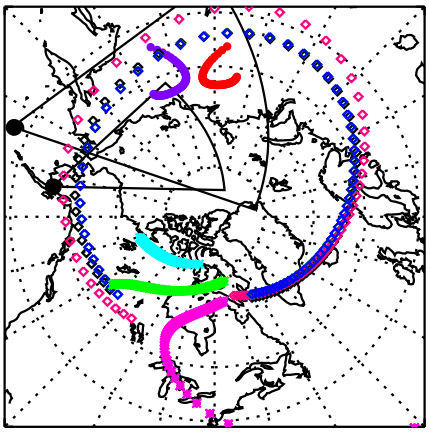
(b) 0525UT to 1050UT
ade bks cve cvw fhe fhw sas



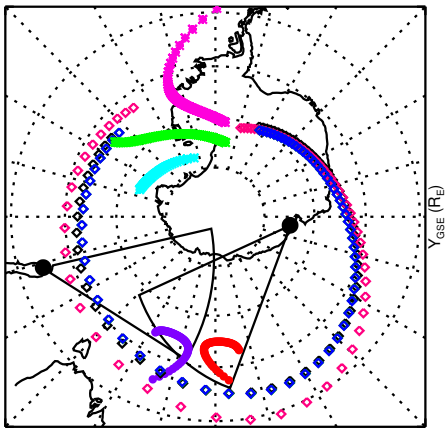


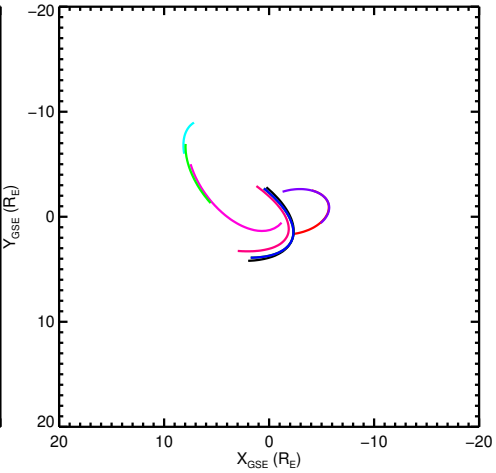


(c) 1425UT to 1950UT
adw ksr

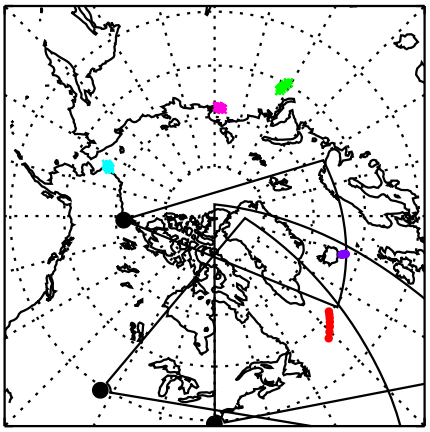


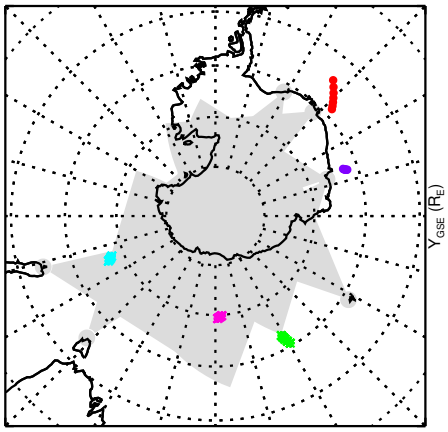
unw zho

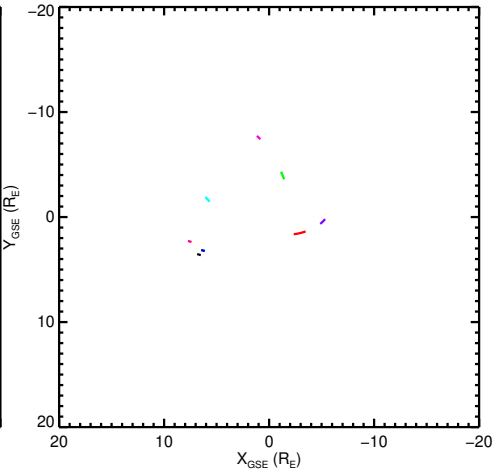




(d) 2325UT to 2355UT
fhe inv wal



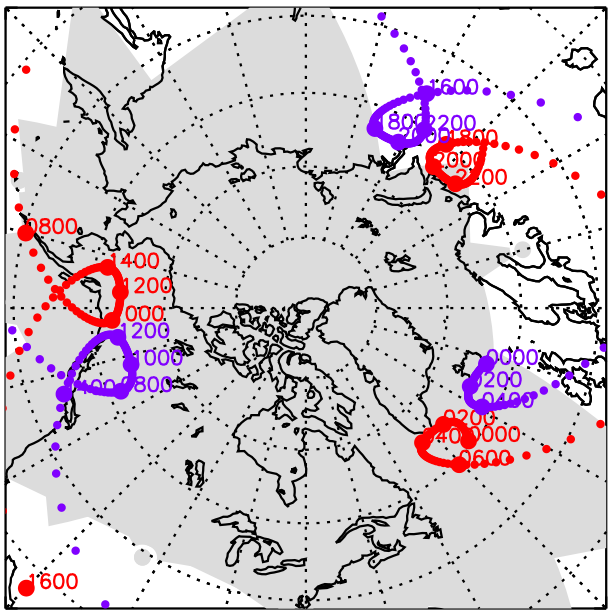


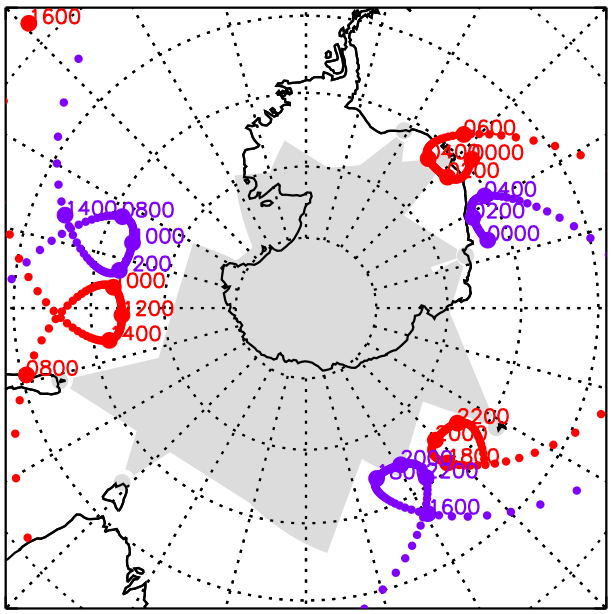


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

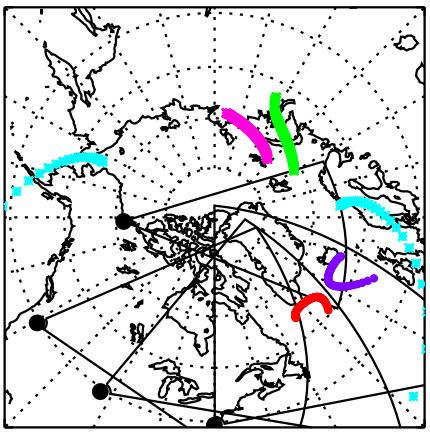
16–Mar–2013

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

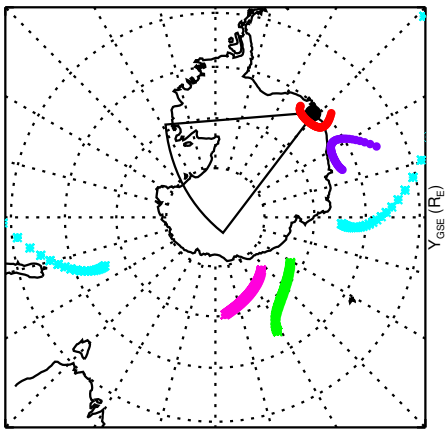


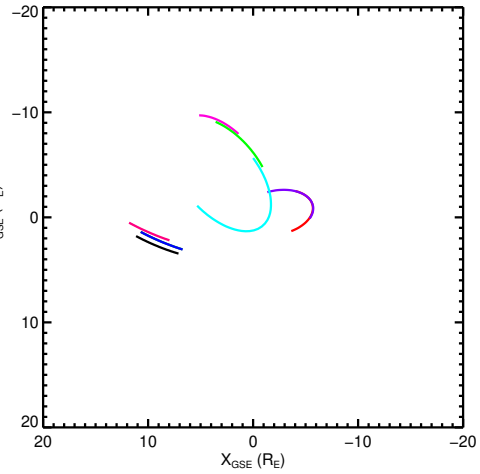


(a) 0000UT to 0450UT
cve fhe inv wal

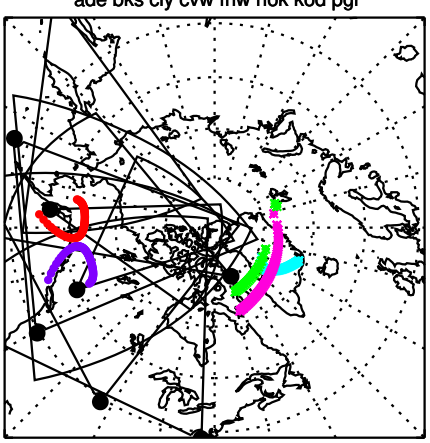


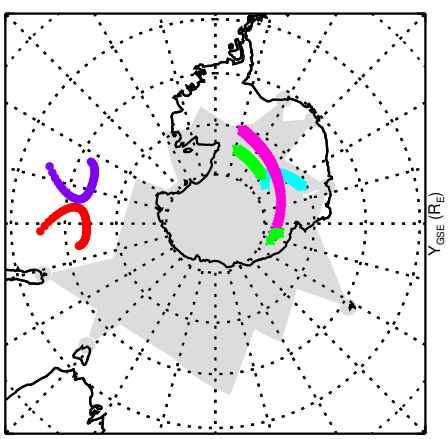
san

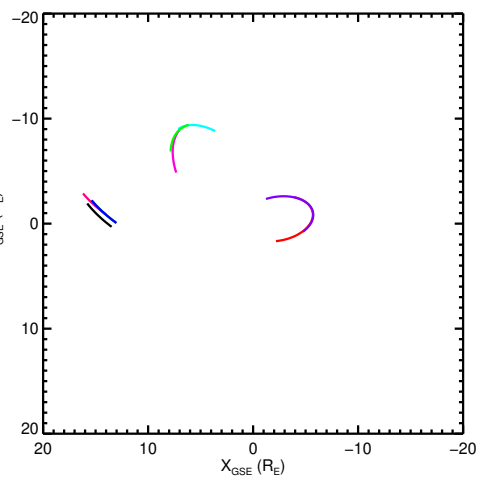


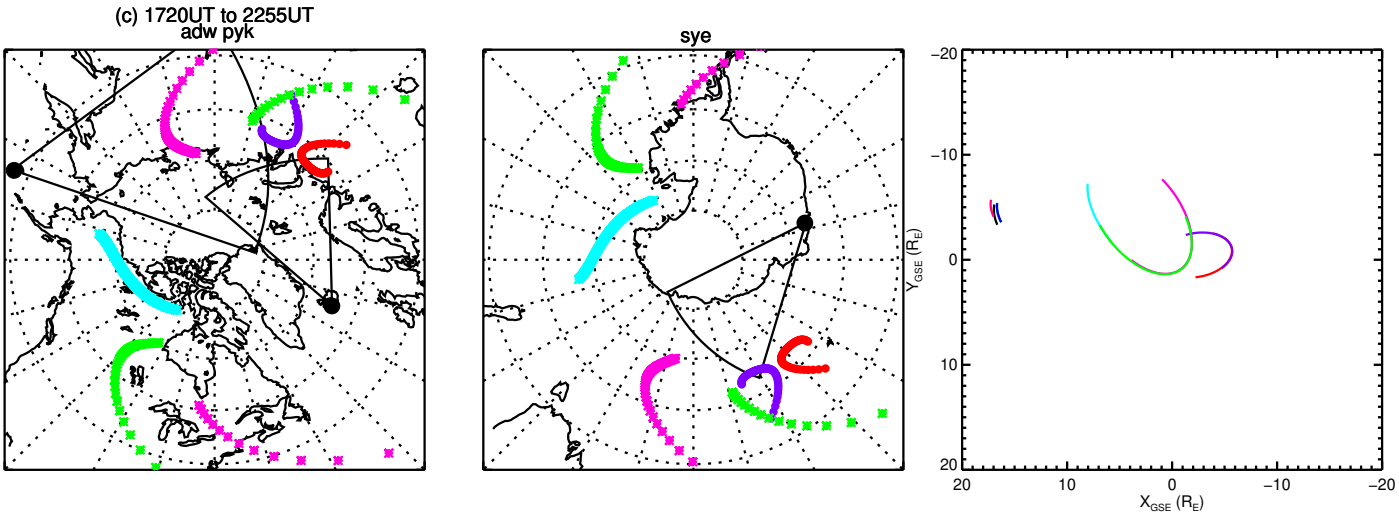


(b) 0820UT to 1355UT
ade bks cly cvw fhw hok kod pgr





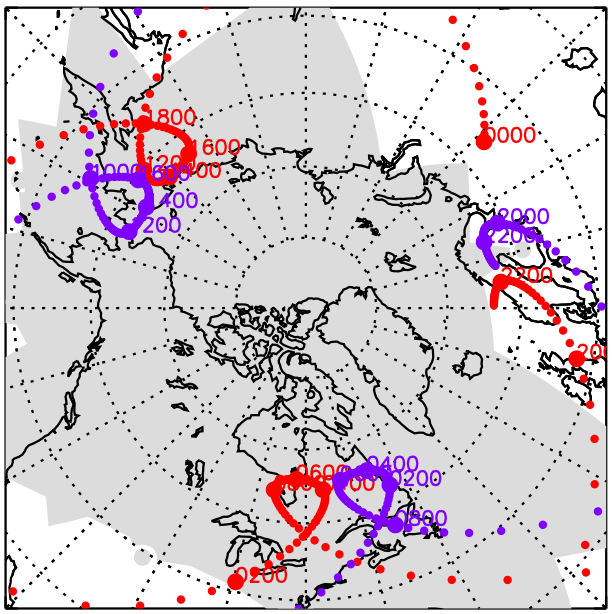


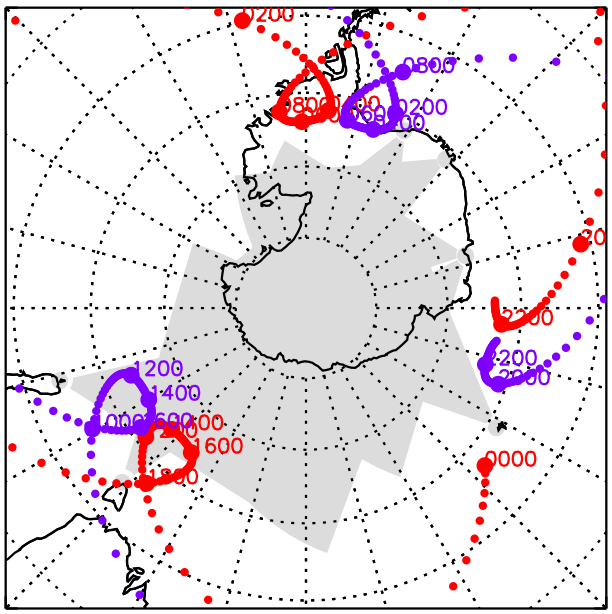

(c) 1720UT to 2255UT
adw pyk
sye
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

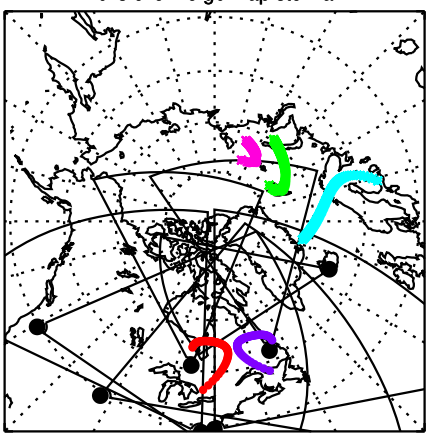
17–Mar–2013

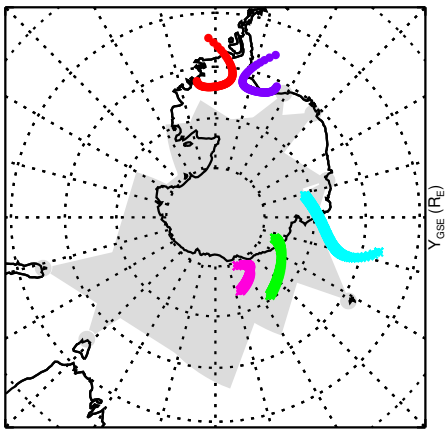
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

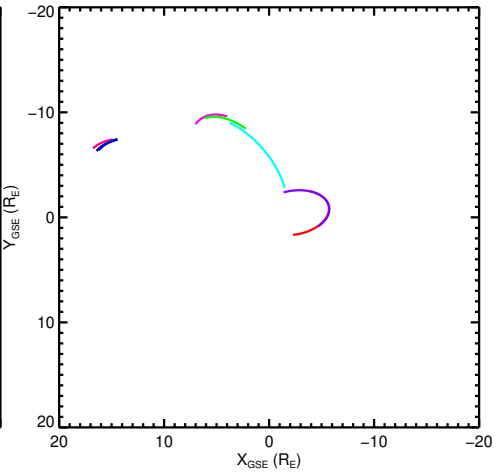




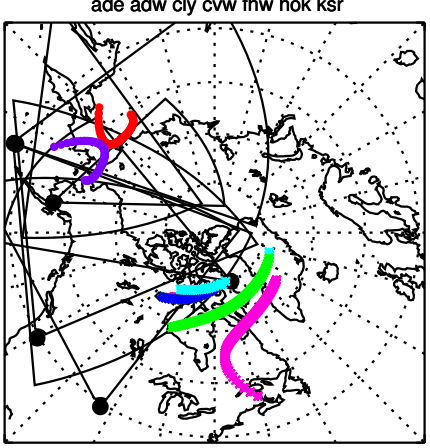
(a) 0220UT to 0755UT
bks cve fhe gbr kap sto wal



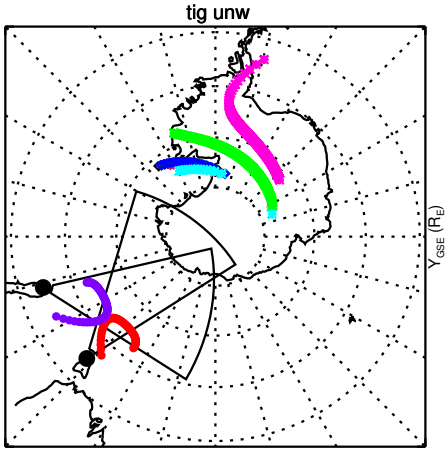


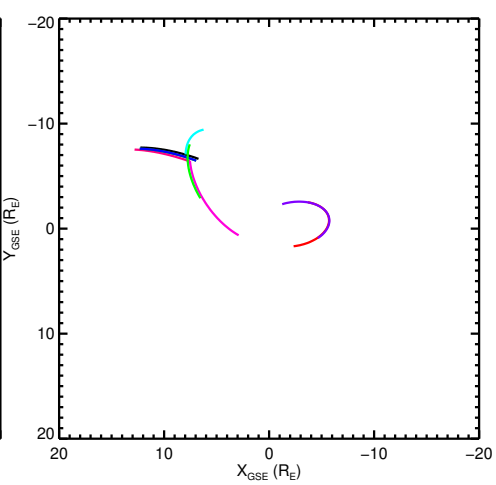


(b) 1120UT to 1700UT
ade adw cly cvw fhw hok ksr

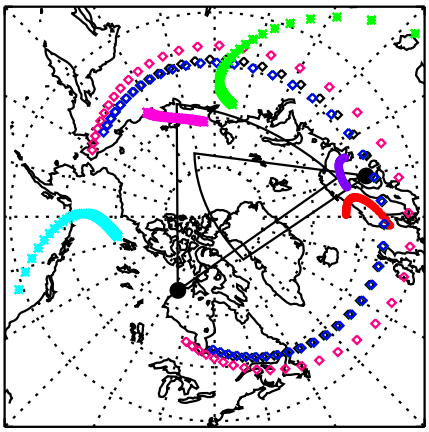


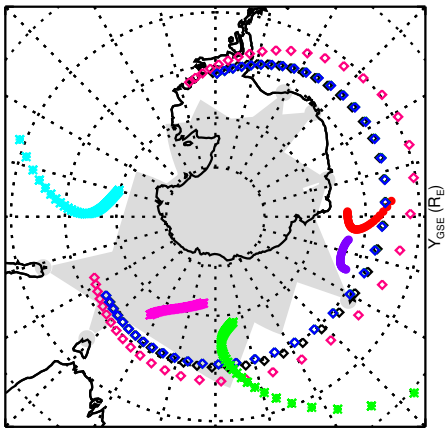
tig unw

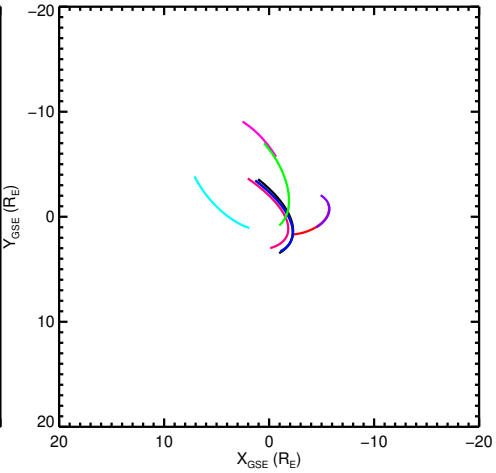




(c) 2015UT to 2355UT
han rkn



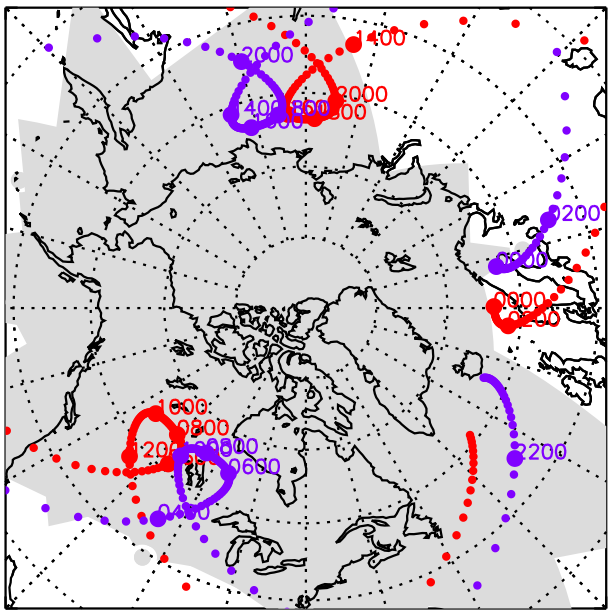


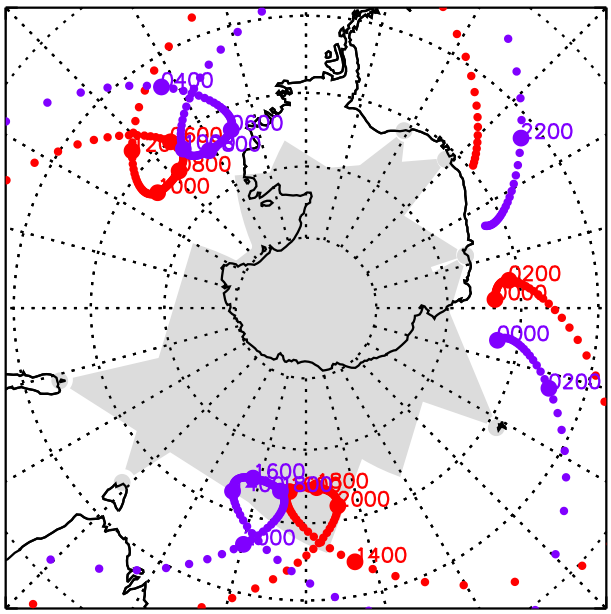


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

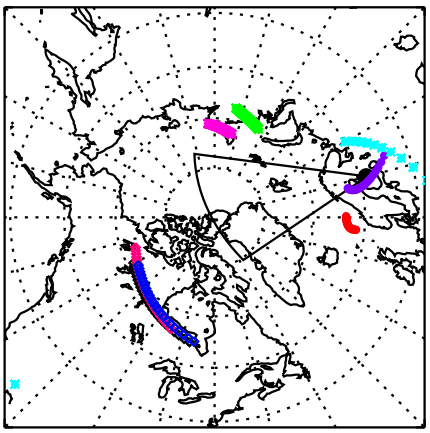
18–Mar–2013

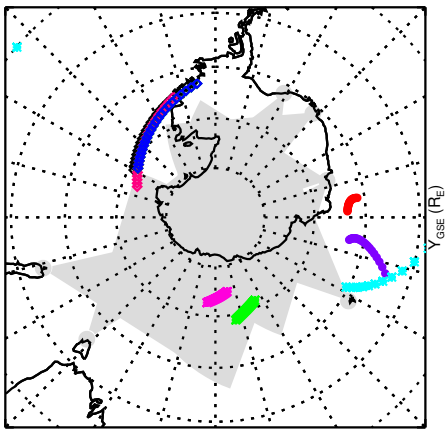
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

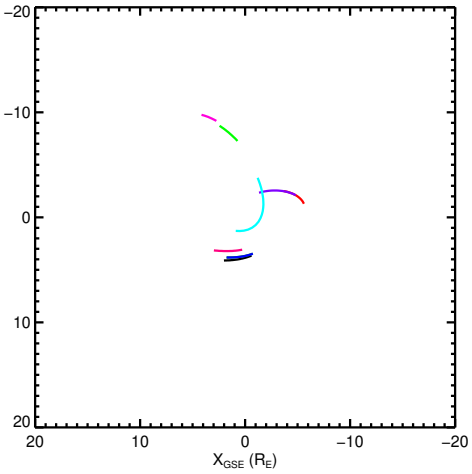




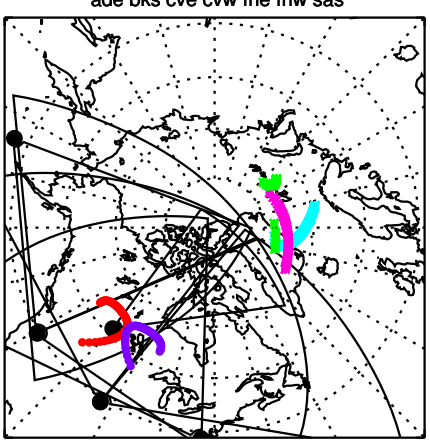
(a) 0000UT to 0200UT
han

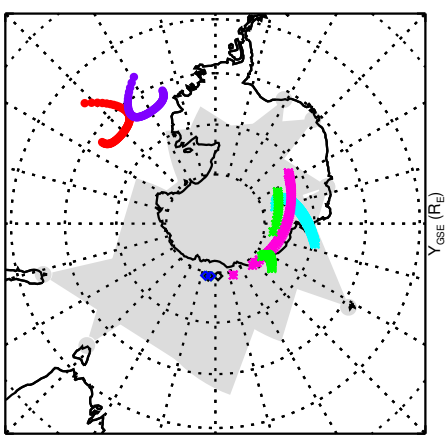


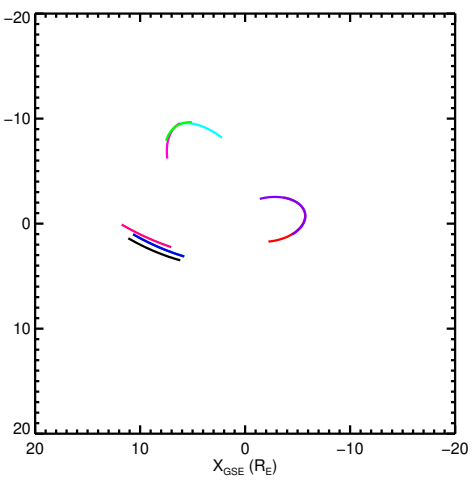




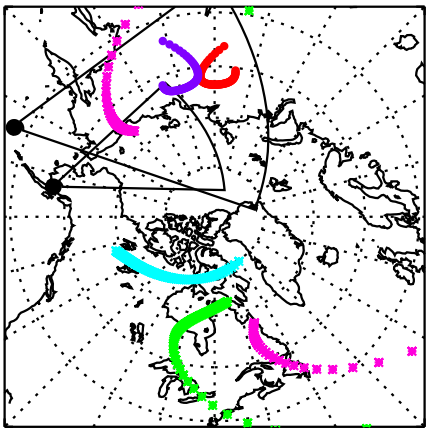
(b) 0515UT to 1100UT
ade bks cve cvw fhe fhw sas



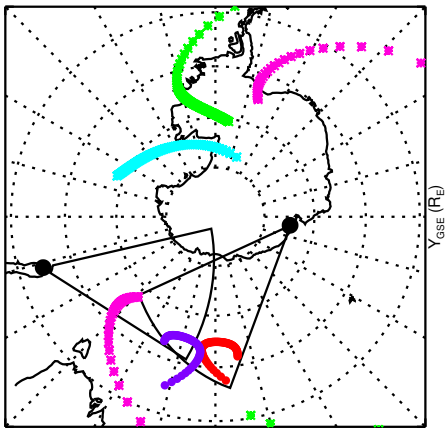


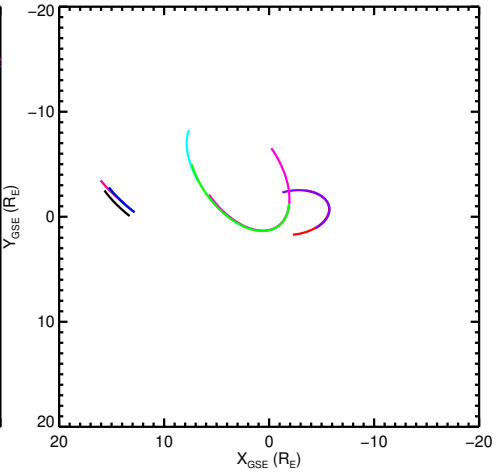


(c) 1415UT to 2005UT
adw ksr

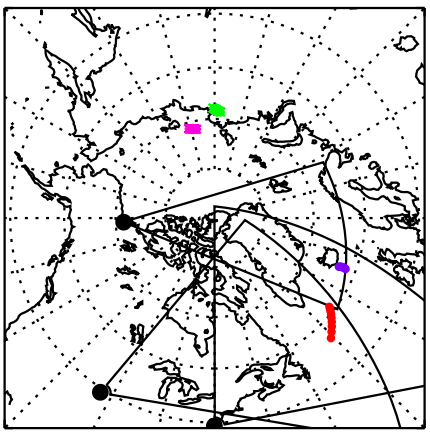


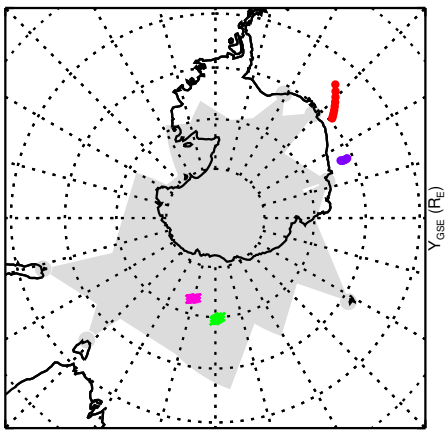
unw zho

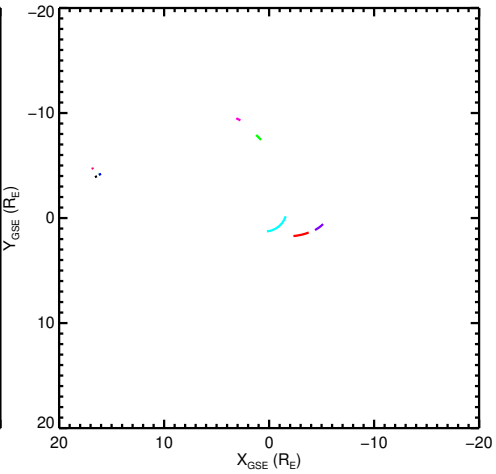




(d) 2315UT to 2355UT
fhe inv wal



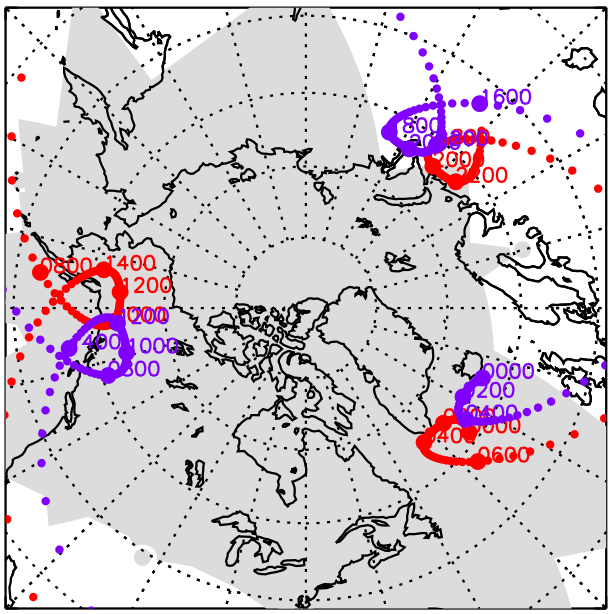


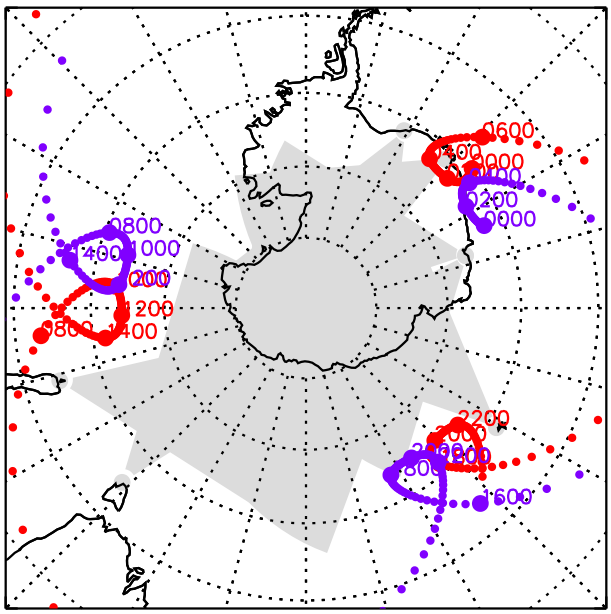


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

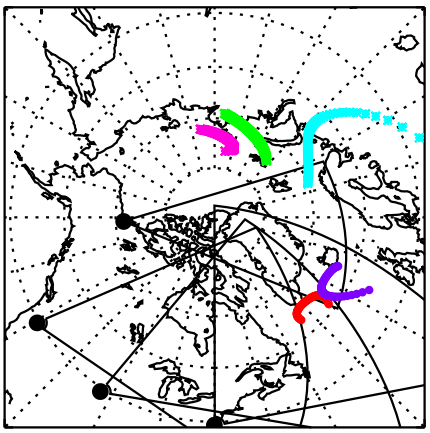
19–Mar–2013

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

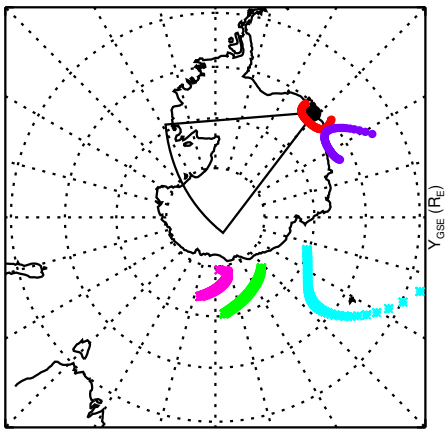


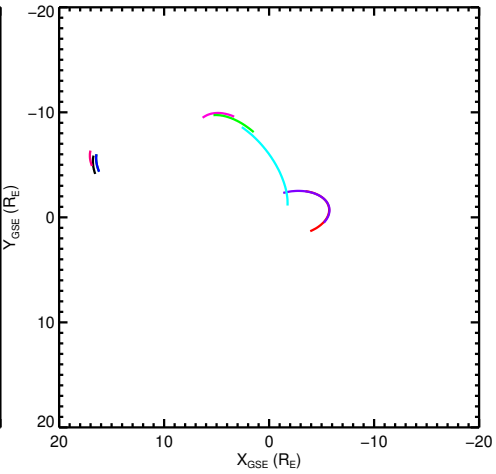


(a) 0000UT to 0505UT
cve fhe inv wal

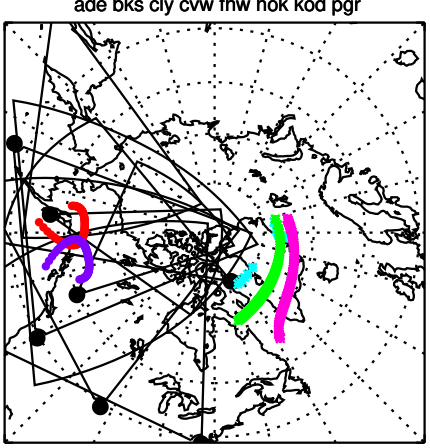


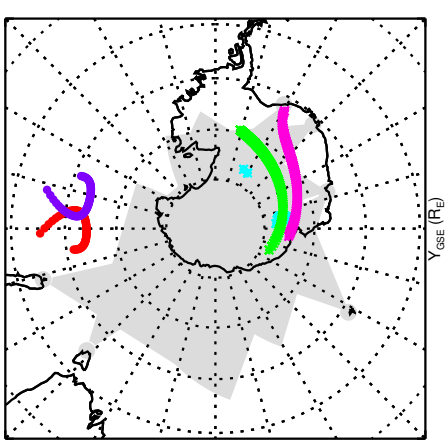
san

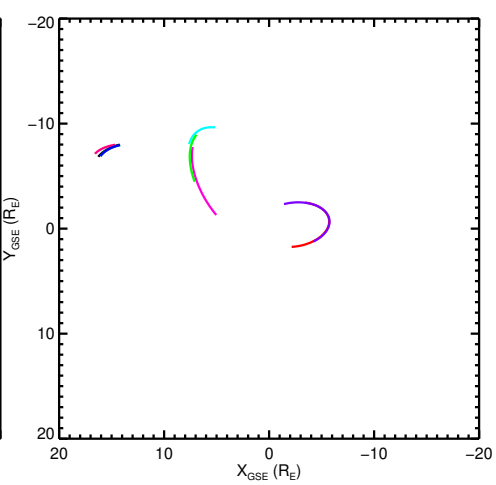


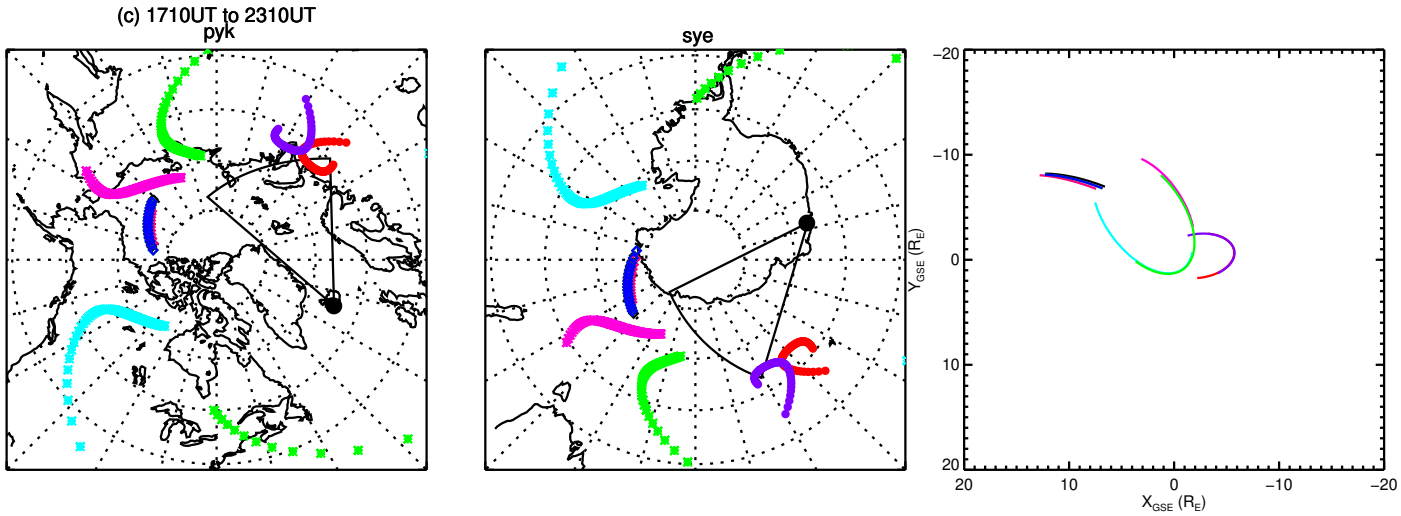


(b) 0810UT to 1405UT
ade bks cly cvw fhw hok kod pgr





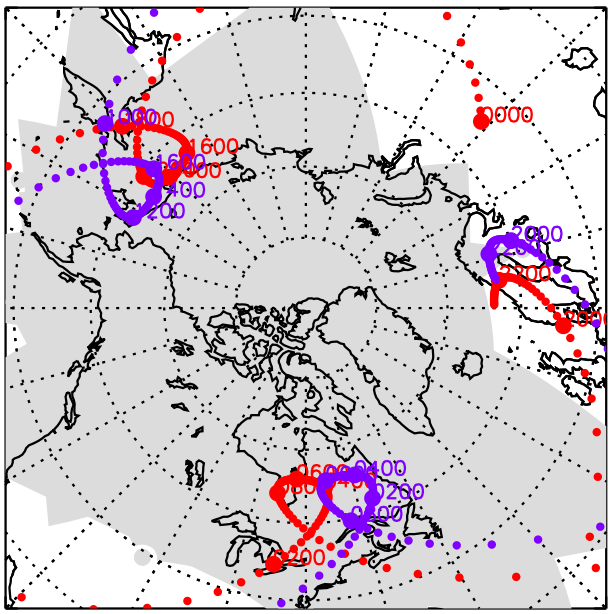


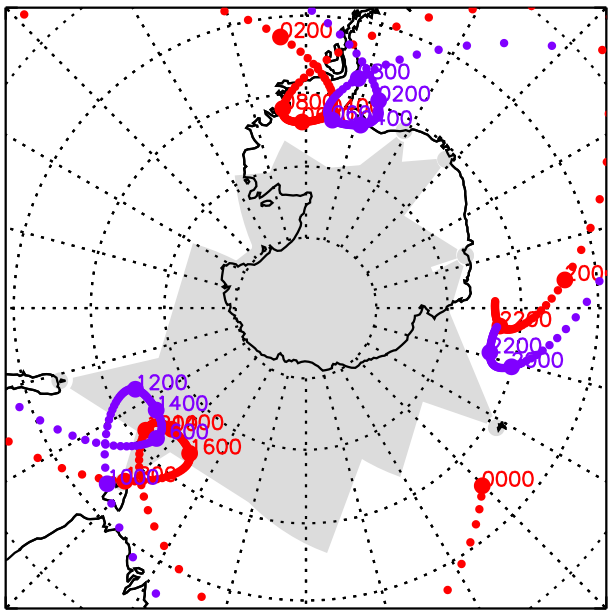

(c) 1710UT to 2310UT
pyk
sye
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

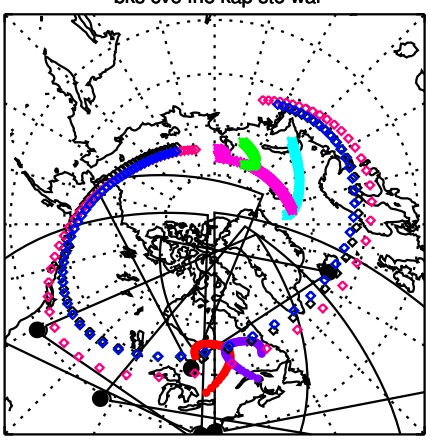
20–Mar–2013

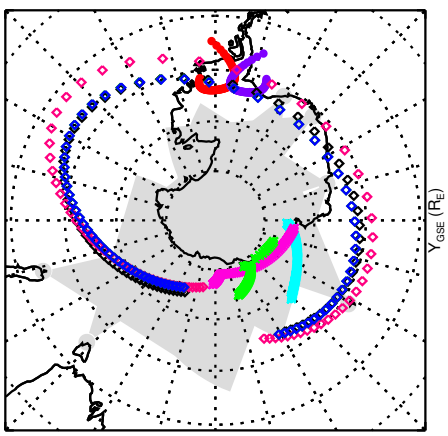
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

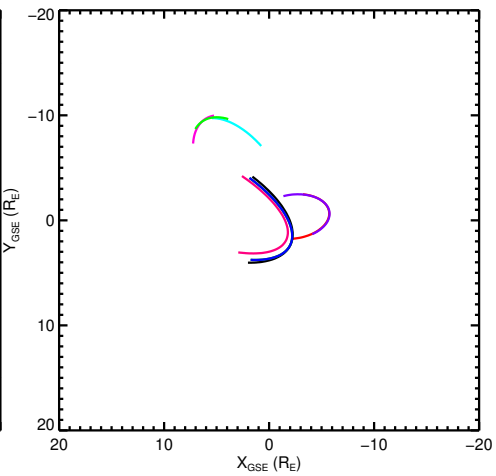




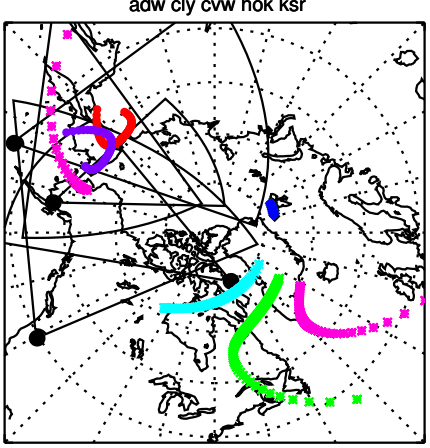
(a) 0210UT to 0810UT
bks cve fhe kap sto wal



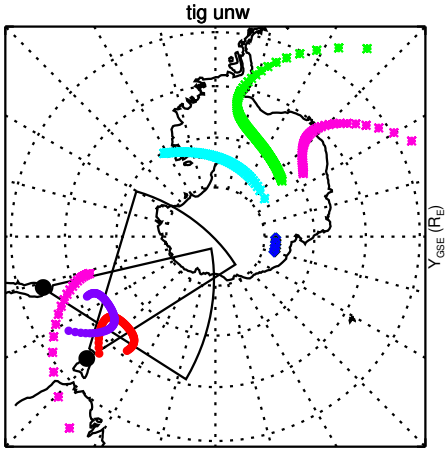


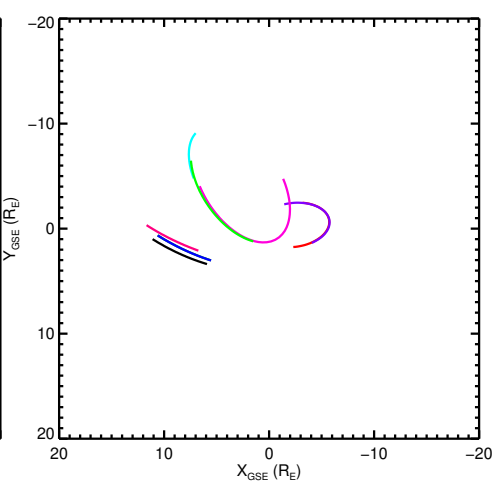


(b) 1110UT to 1710UT
adw cly cvw hok ksr

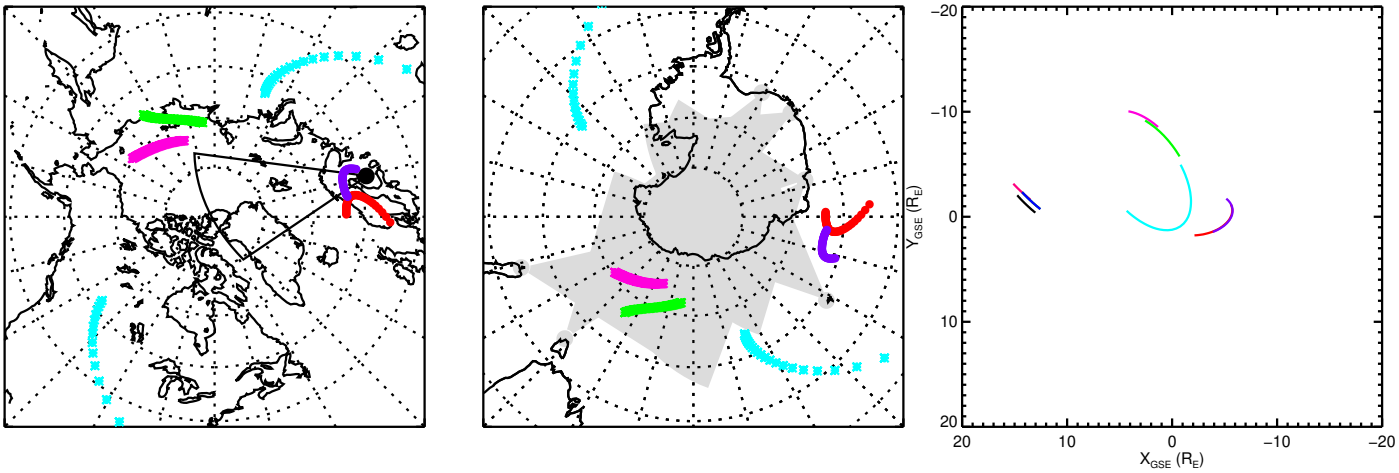


tig unw





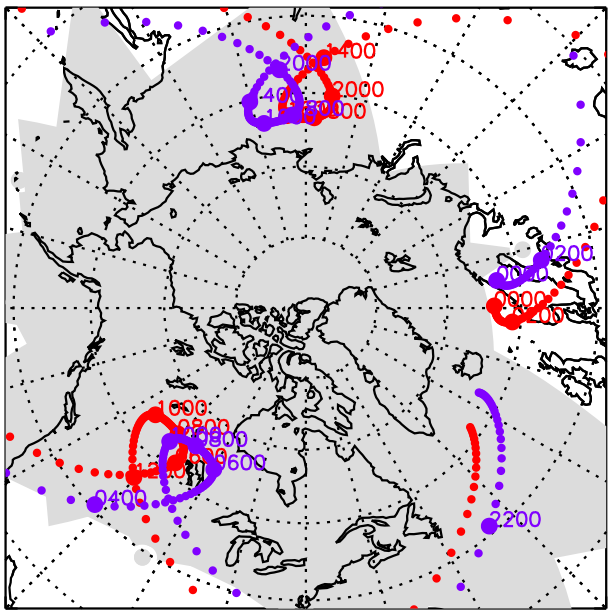
(c) 2005UT to 2355UT
han

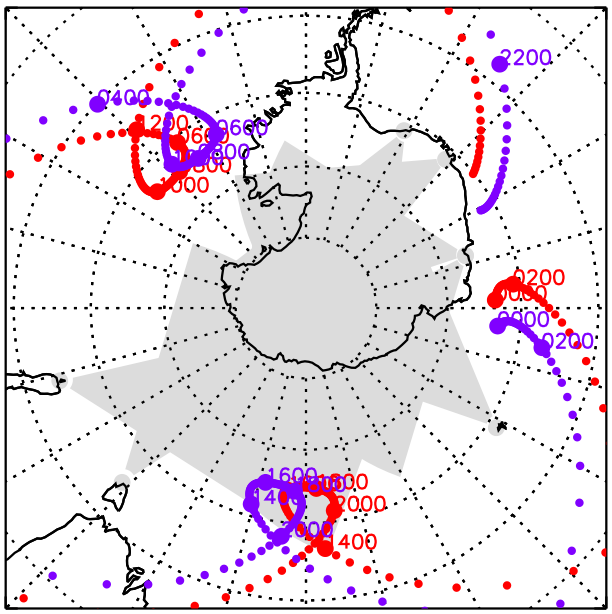


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

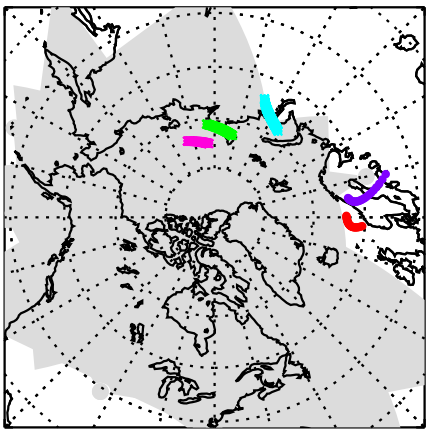
21−Mar−2013

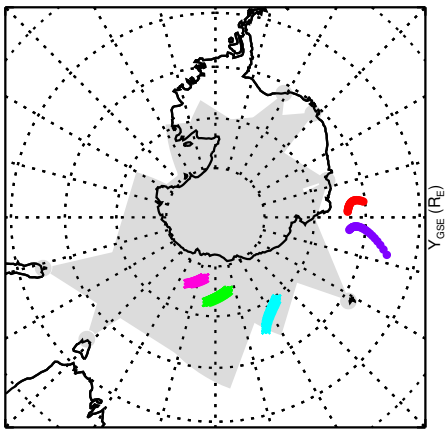
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

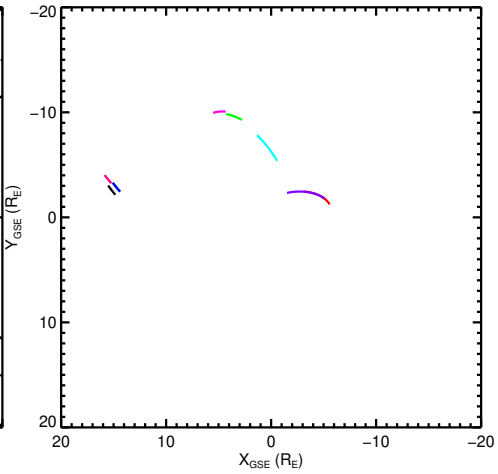




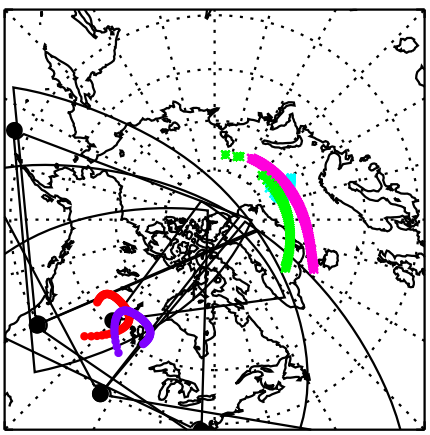
(a) 0000UT to 0210UT

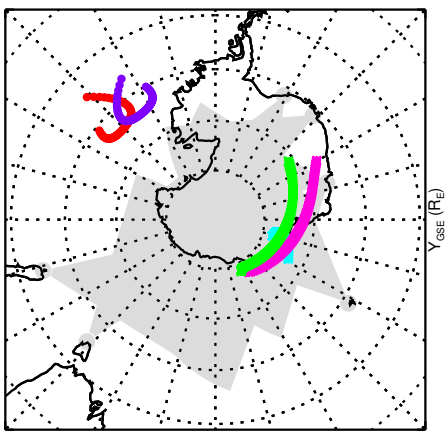


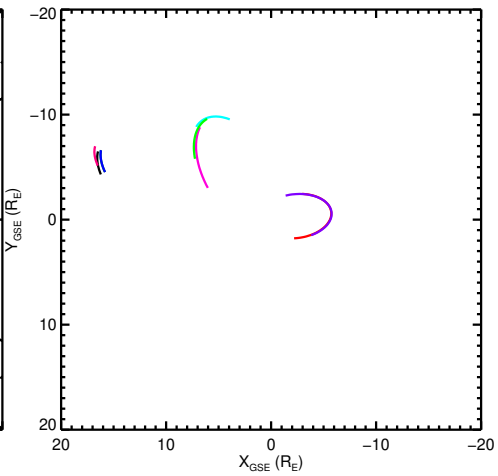




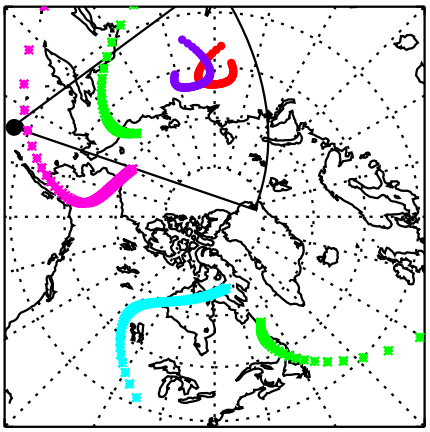
(b) 0505UT to 1115UT
ade bks cve cvw fhe fhw sas



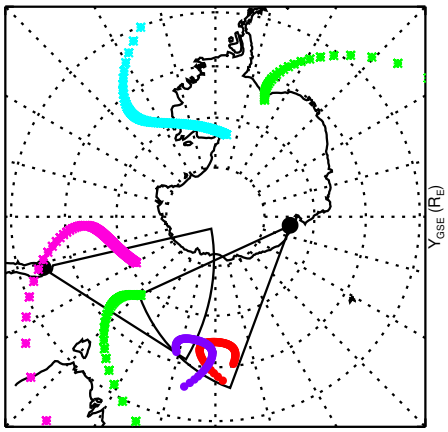


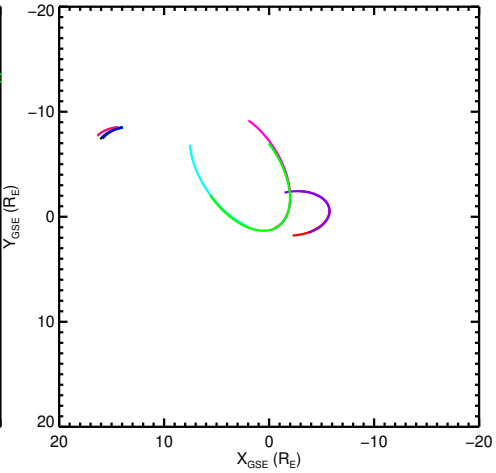


(c) 1405UT to 2015UT
adw

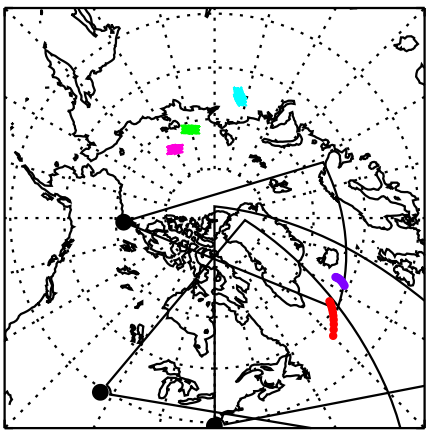


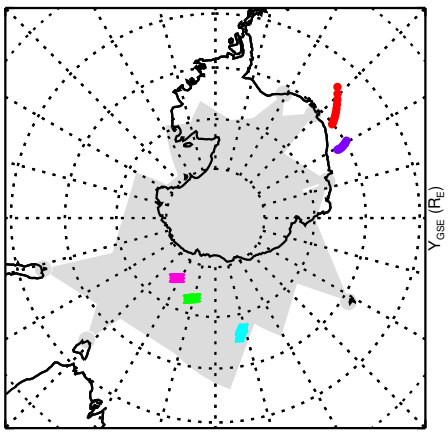
unw zho

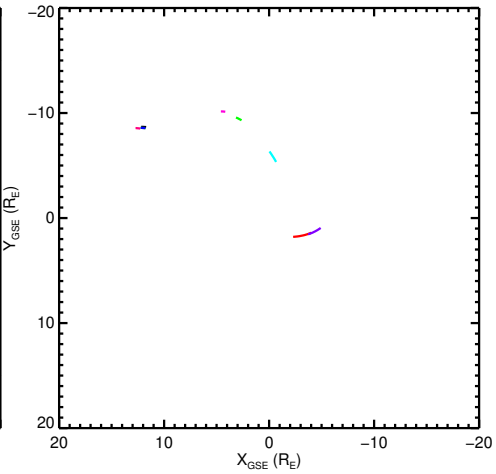




(d) 2305UT to 2355UT
fhe inv wal



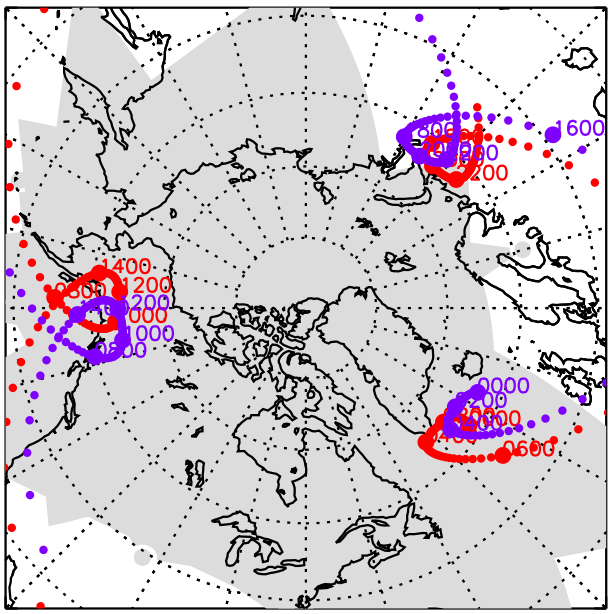


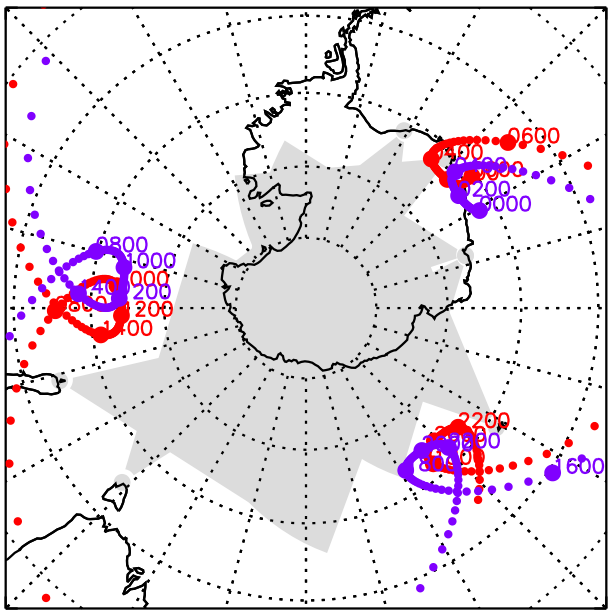


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

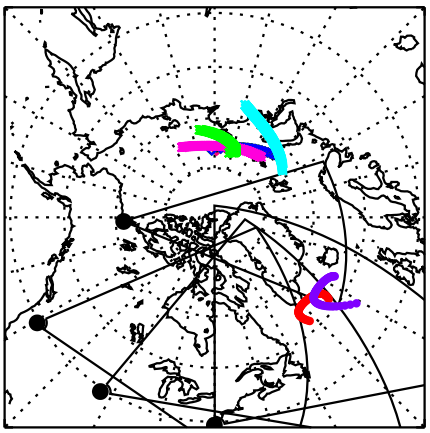
22–Mar–2013

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

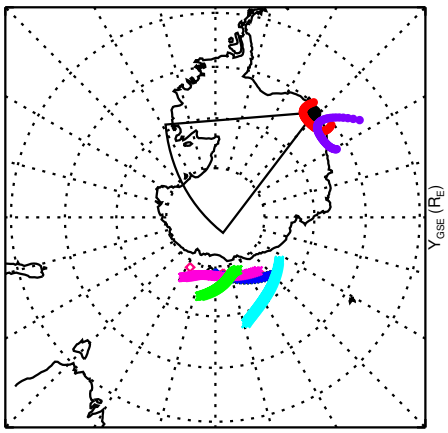


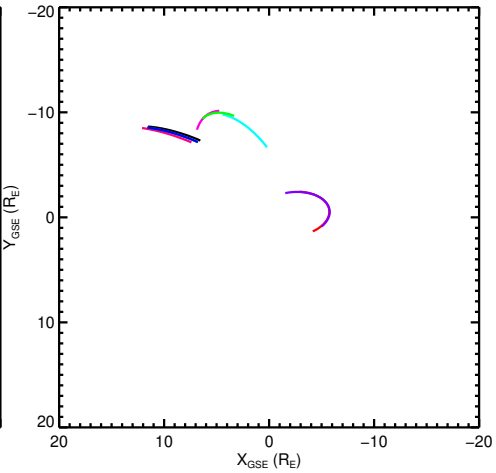


(a) 0000UT to 0515UT
cve fhe inv wal

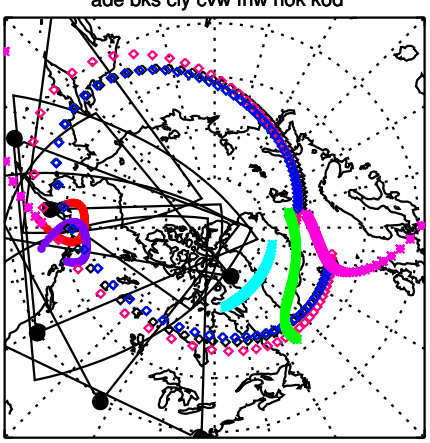


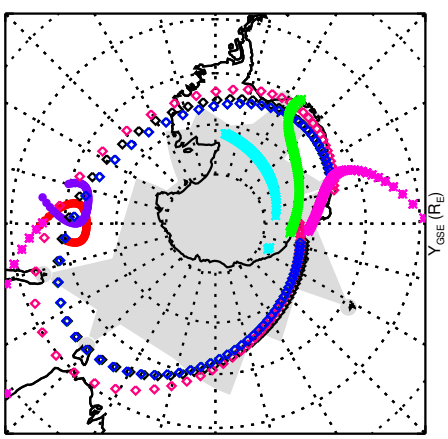
san

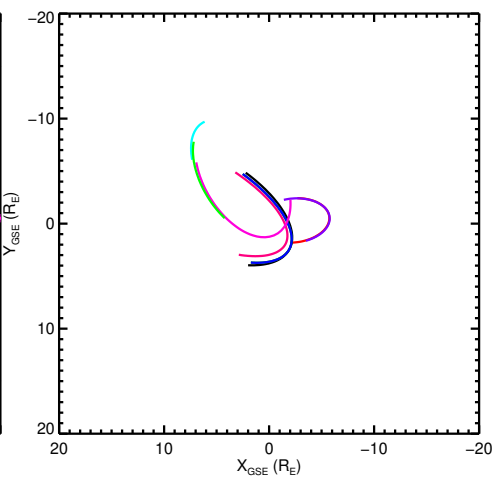


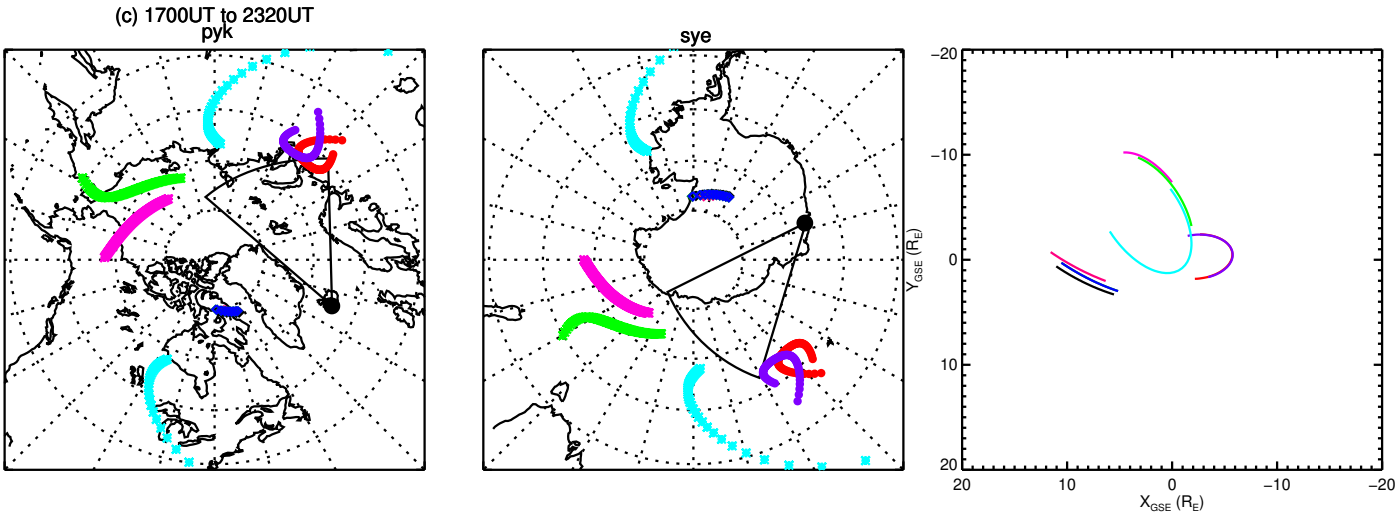


(b) 0800UT to 1420UT
ade bks cly cvw fhw hok kod





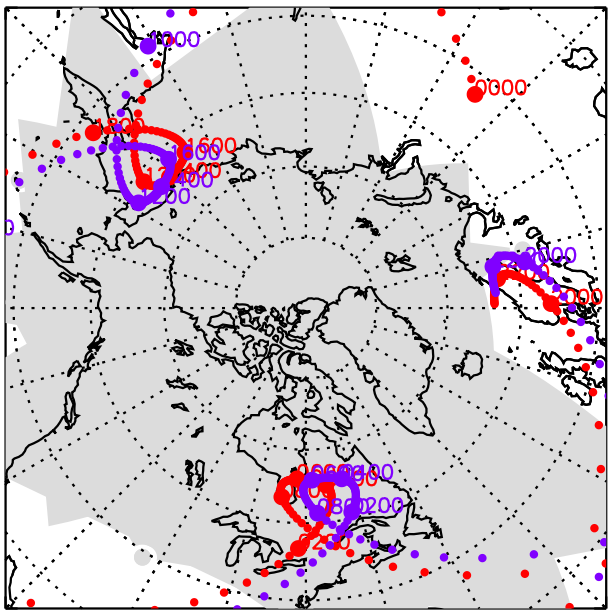


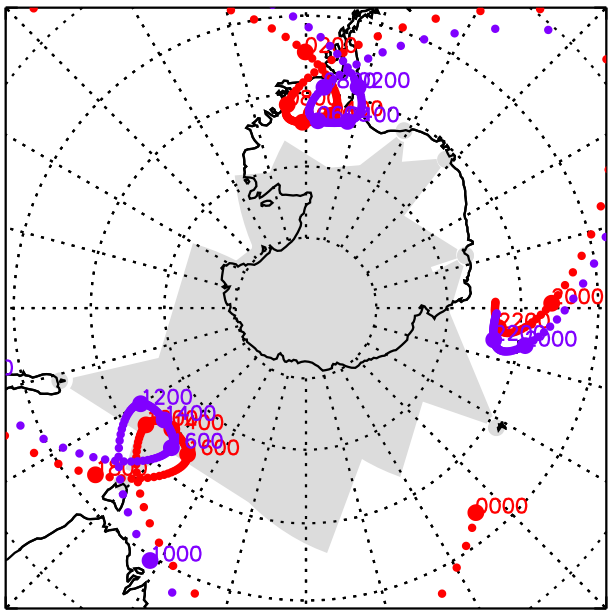

(c) 1700UT to 2320UT
pyk
sye
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

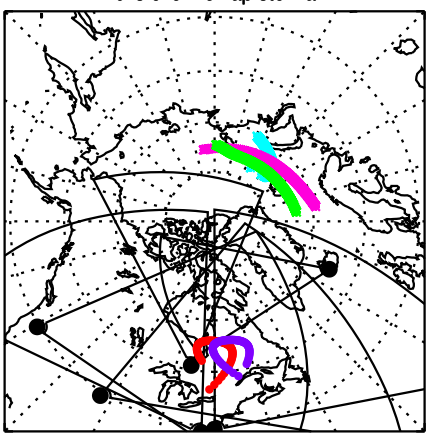
23–Mar–2013

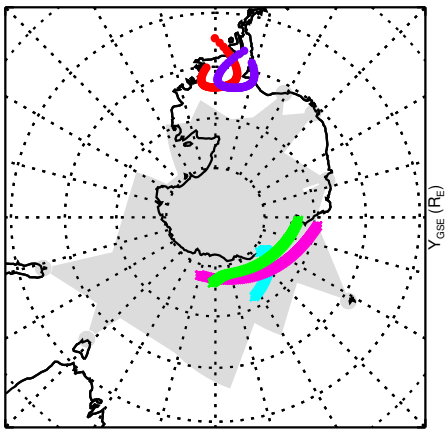
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

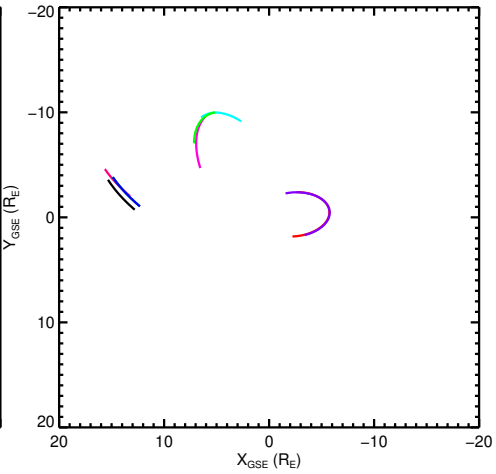




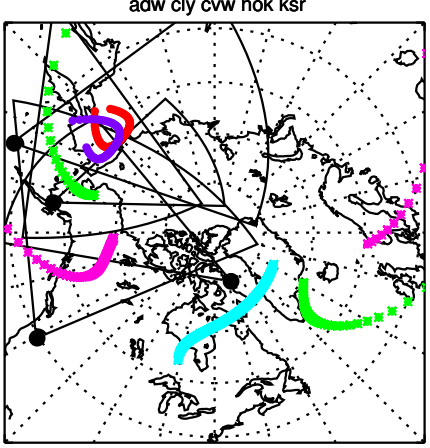
(a) 0200UT to 0820UT
bks cve fhe kap sto wal



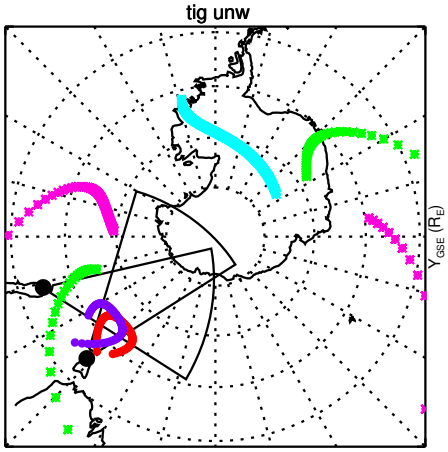


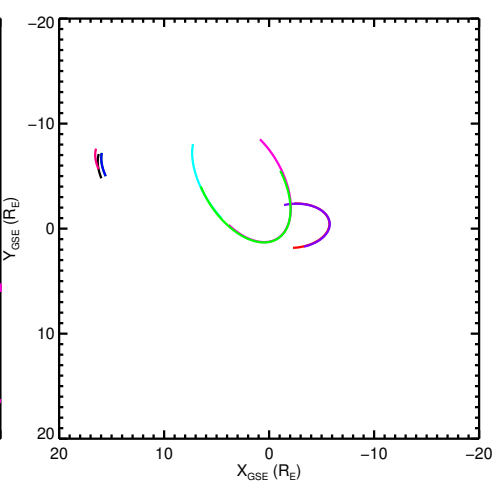


(b) 1100UT to 1725UT
adw cly cvw hok ksr

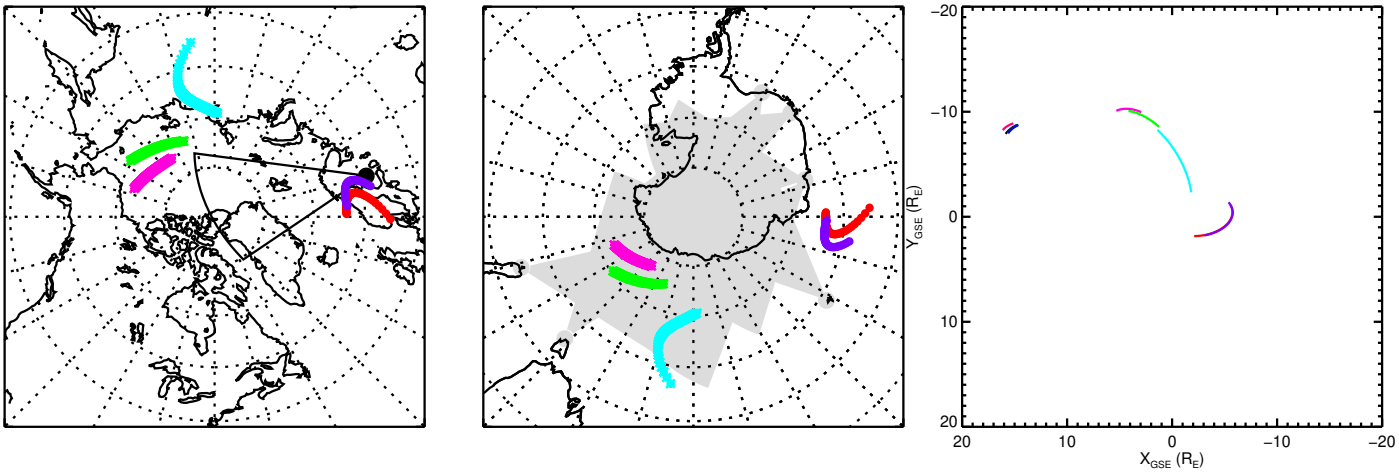


tig unw





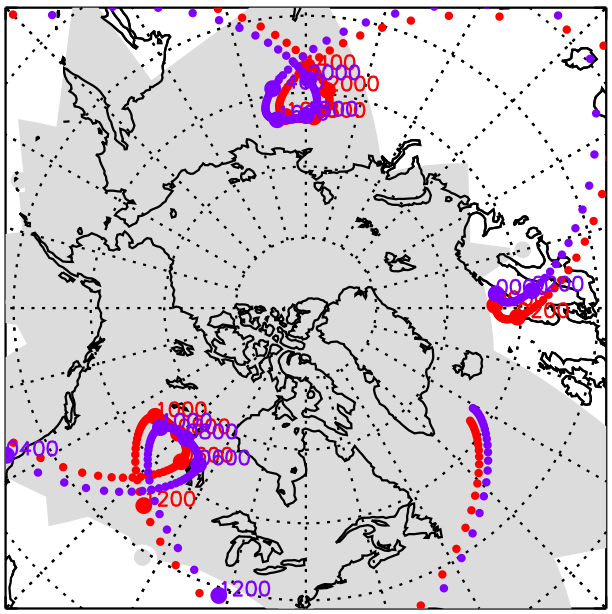
(c) 1955UT to 2355UT
han

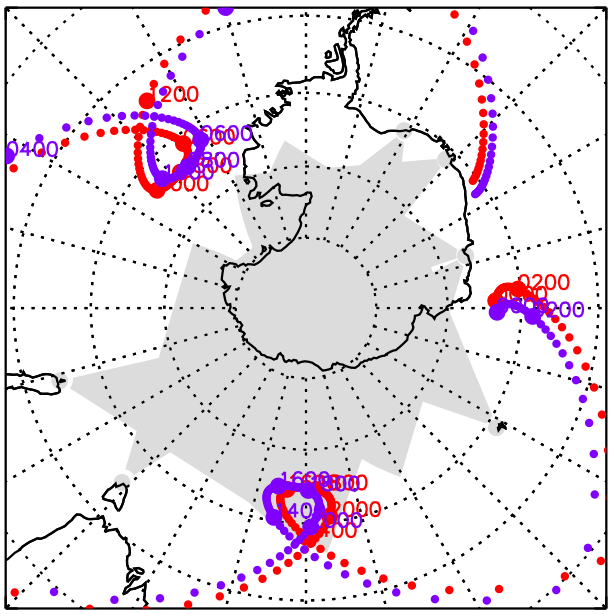


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

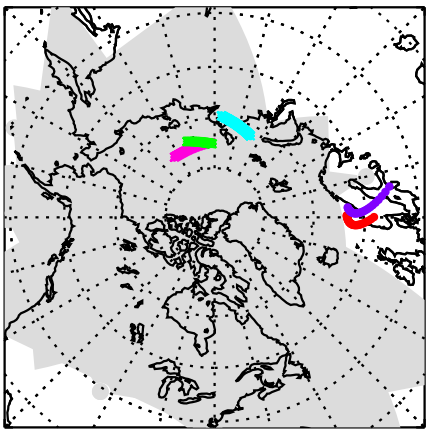
24–Mar–2013

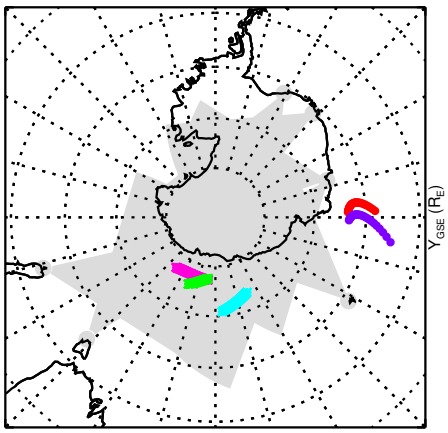
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

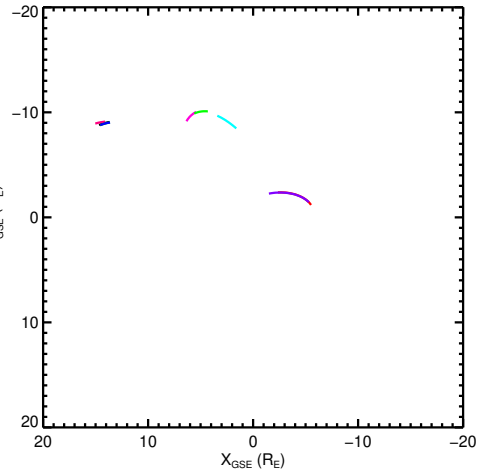




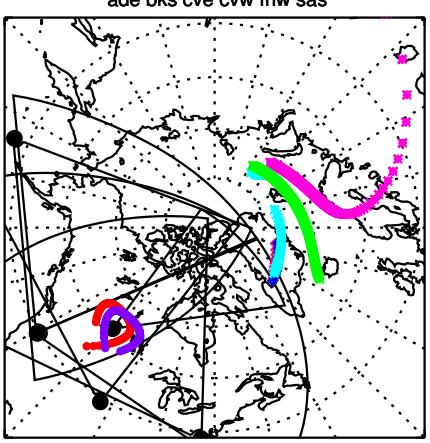
(a) 0000UT to 0225UT

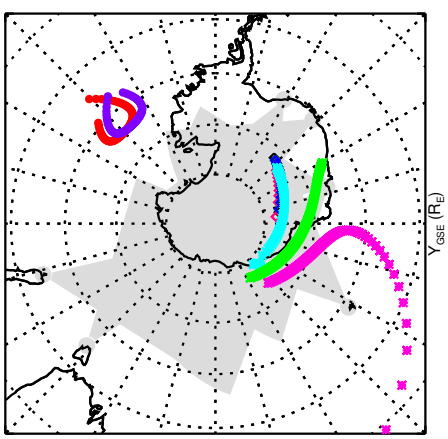


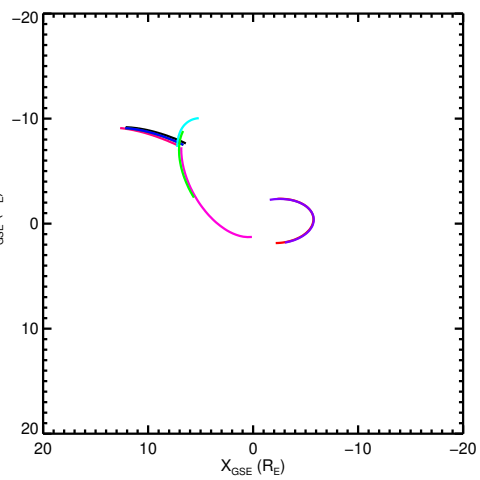




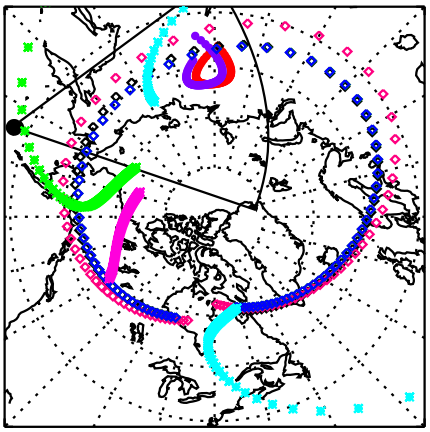
(b) 0455UT to 1125UT
ade bks cve cvw fhw sas



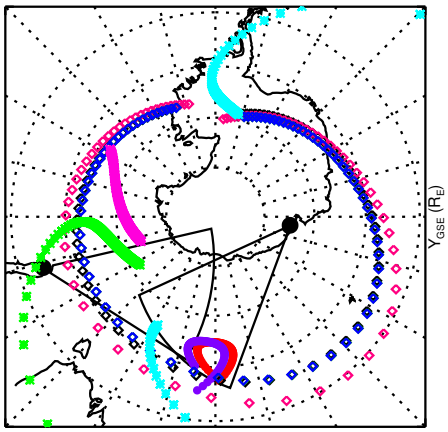


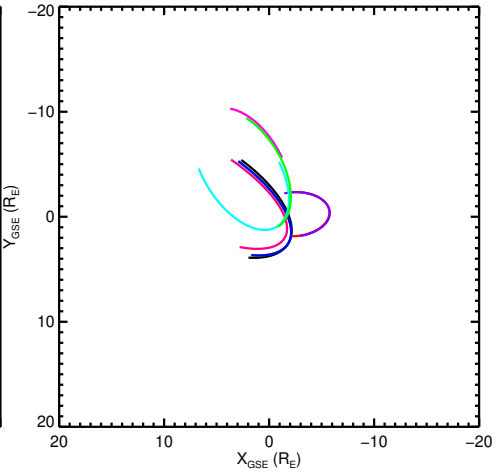


(c) 1355UT to 2030UT
adw

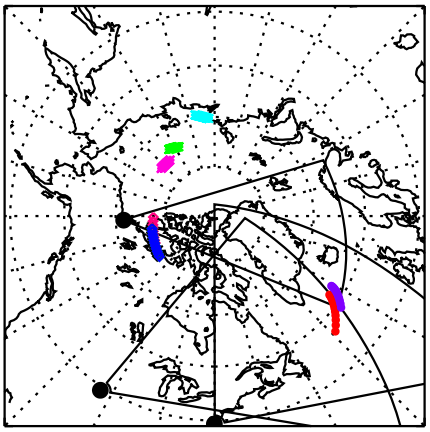


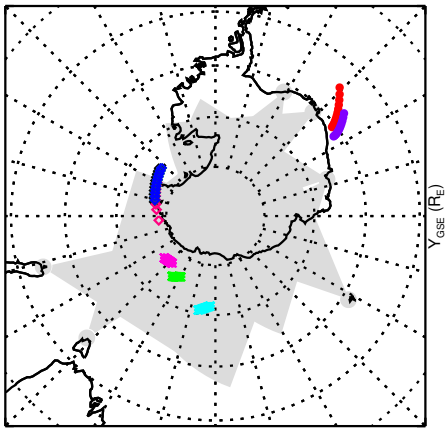
unw zho

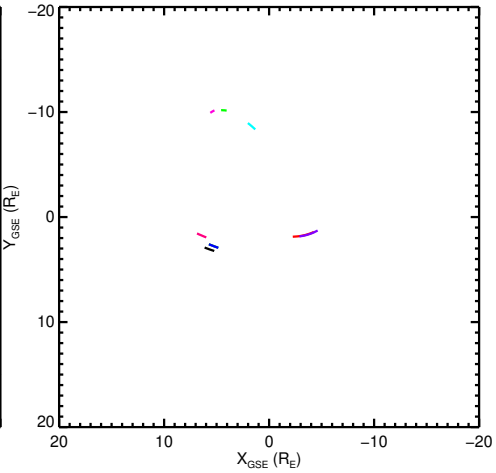




(d) 2255UT to 2355UT
fhe inv wal



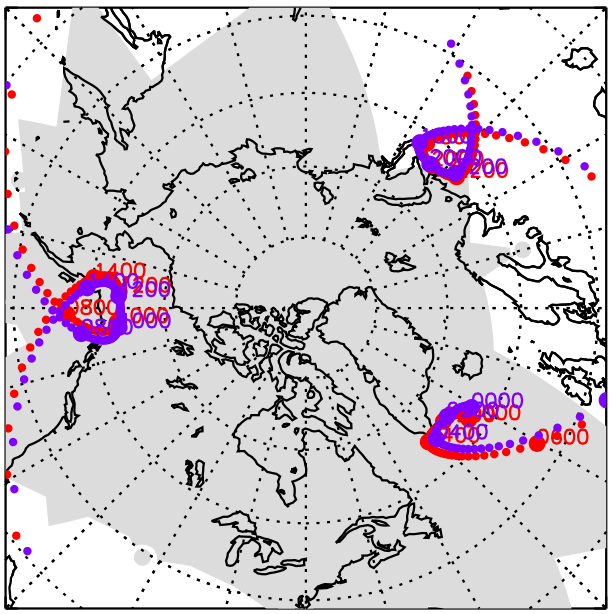


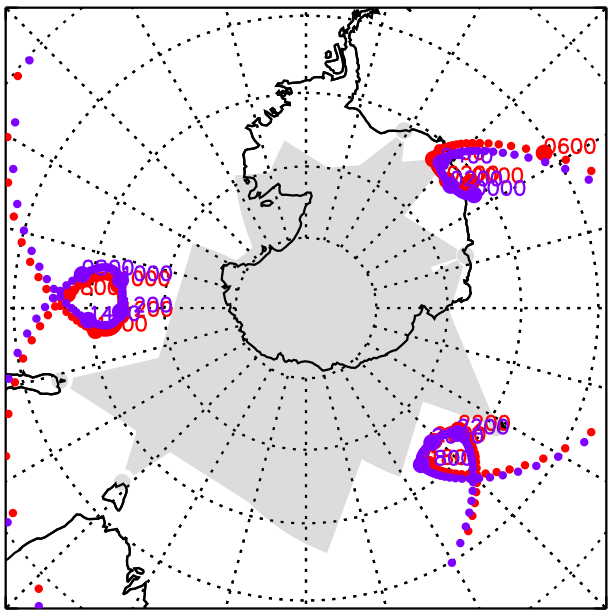


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

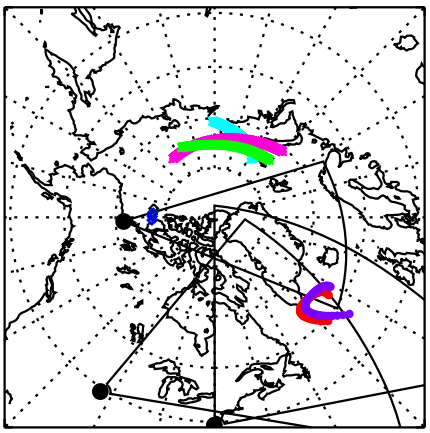
25–Mar–2013

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

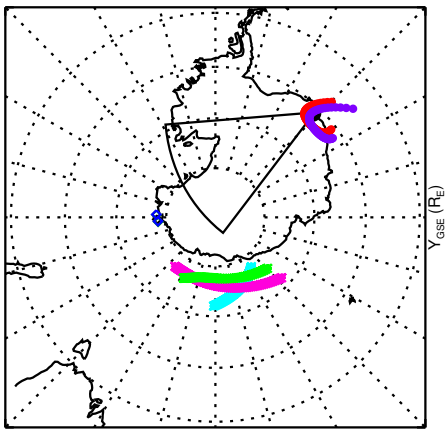


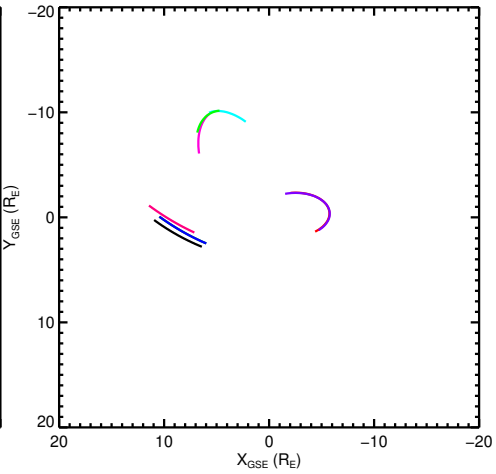


(a) 0000UT to 0530UT
fhe inv wal

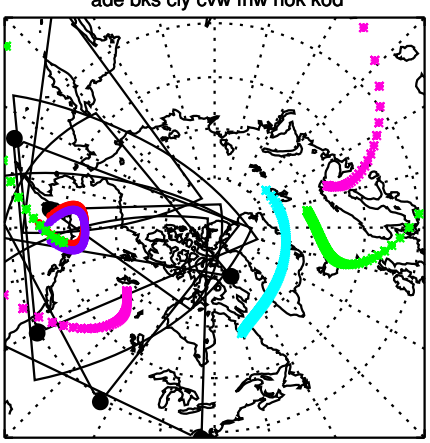


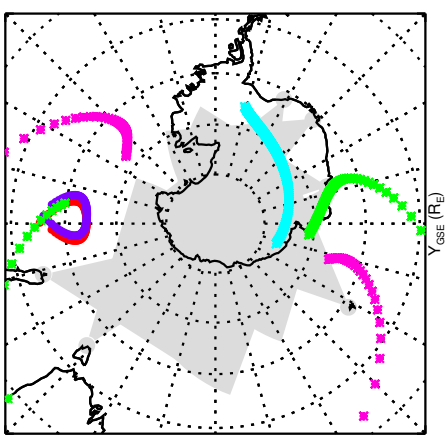
san

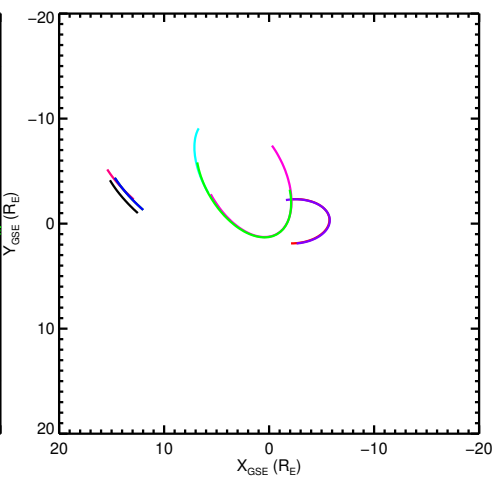




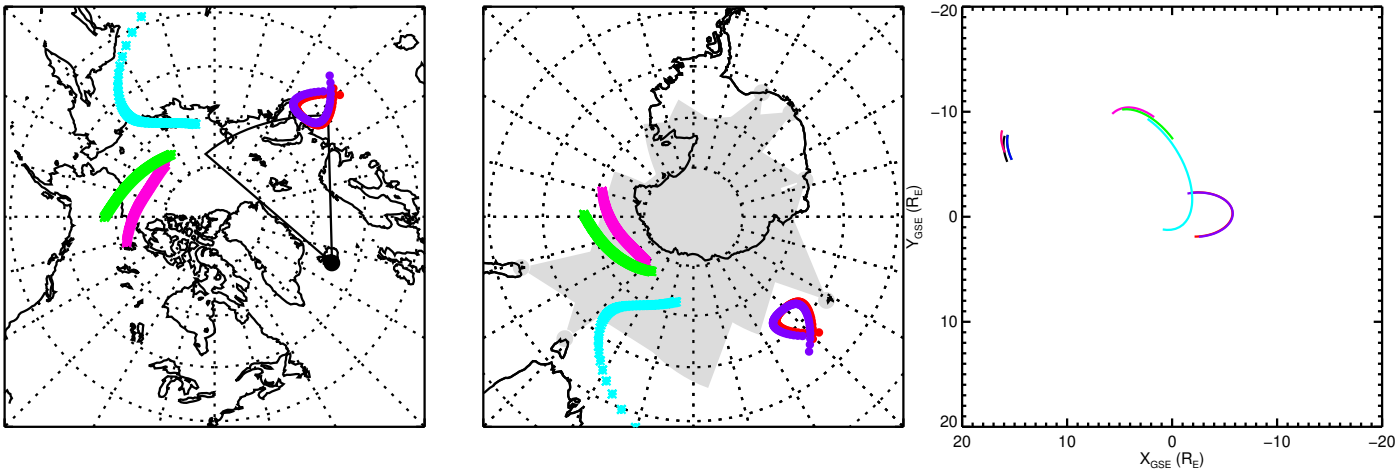
(b) 0750UT to 1430UT
ade bks cly cvw fhw hok kod







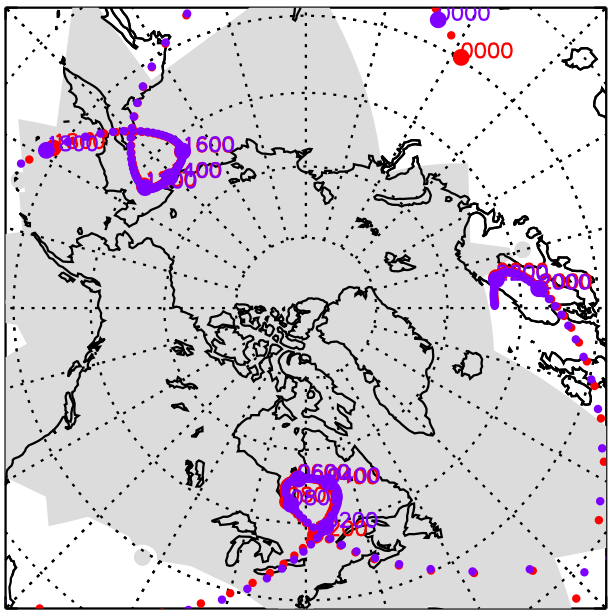
(c) 1650UT to 2335UT
pyk

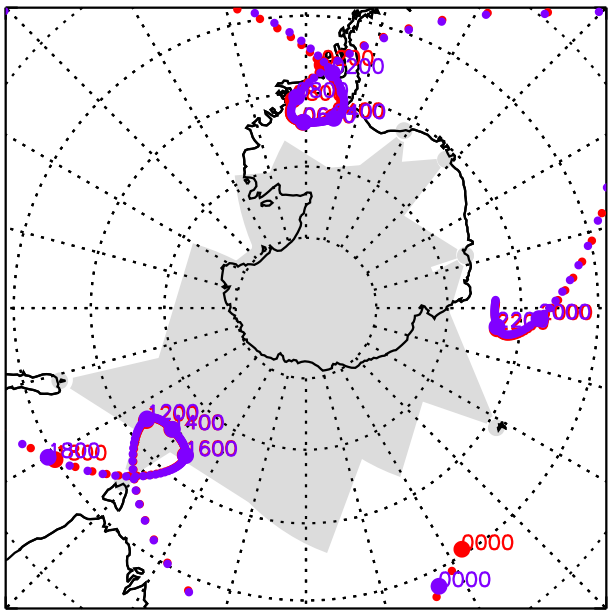


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

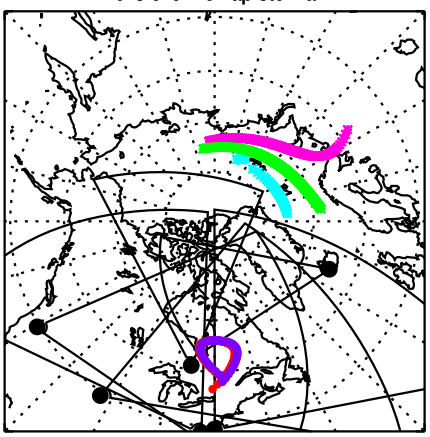
26–Mar–2013

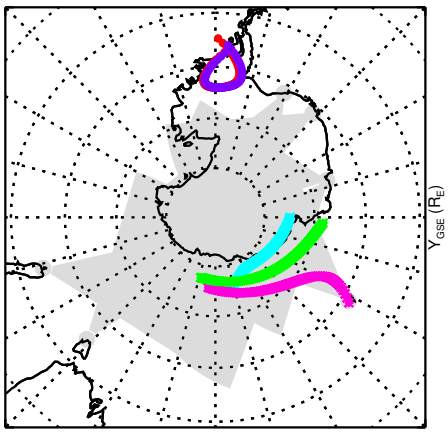
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

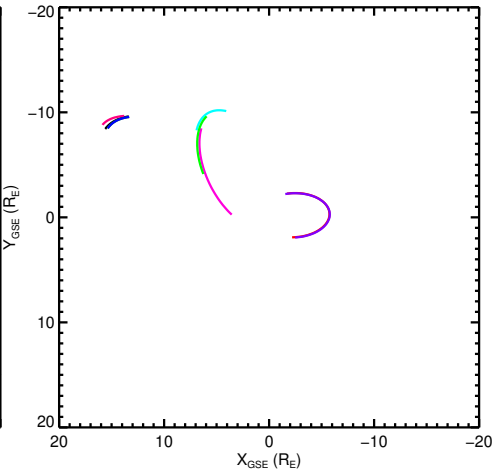




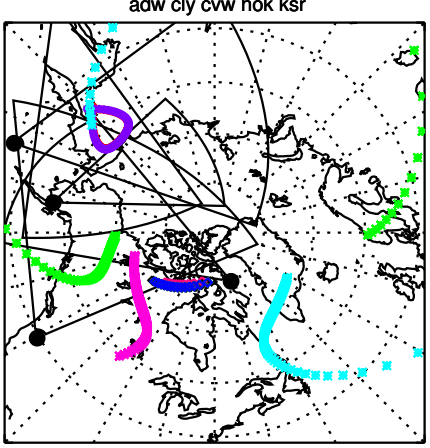
(a) 0150UT to 0835UT
bks cve fhe kap sto wal



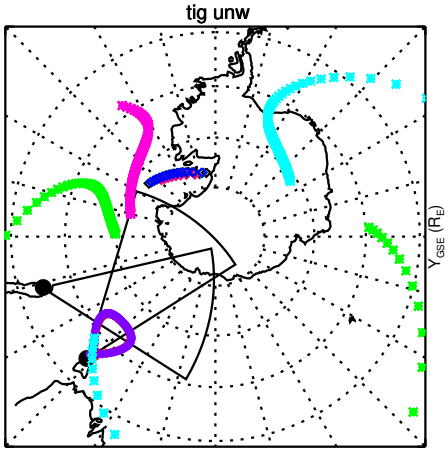


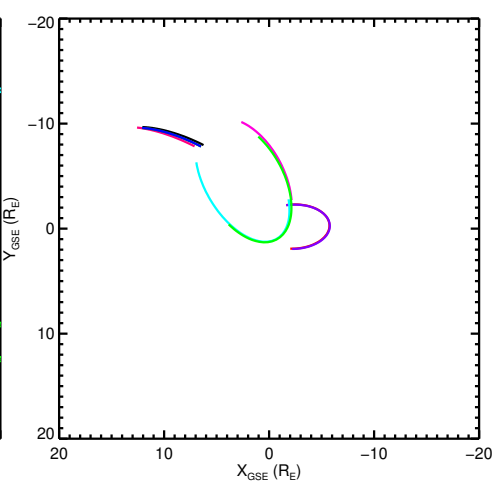


(b) 1045UT to 1735UT
adw cly cvw hok ksr

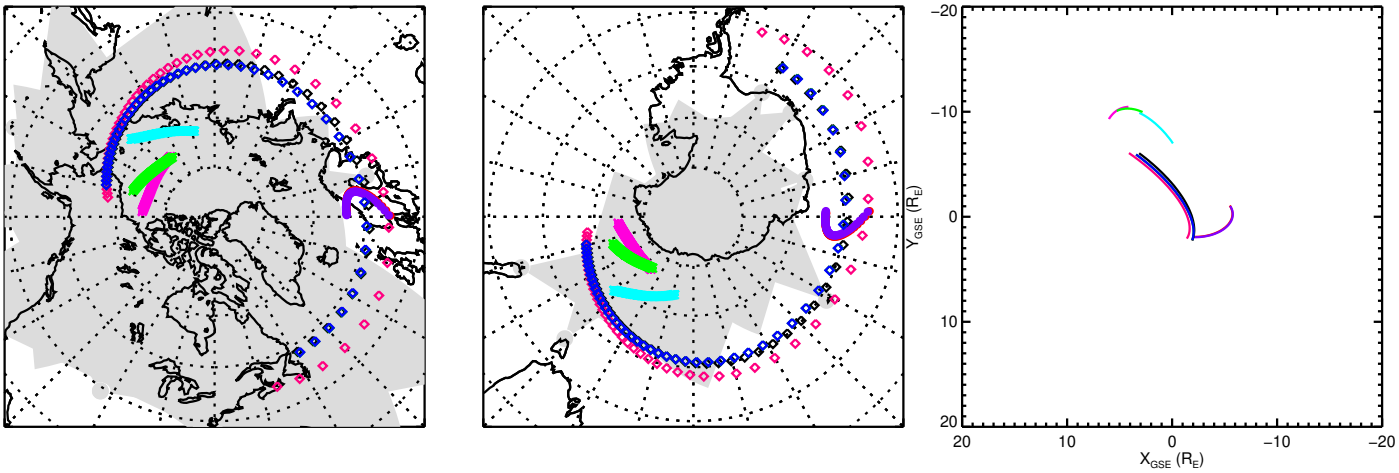


tig unw





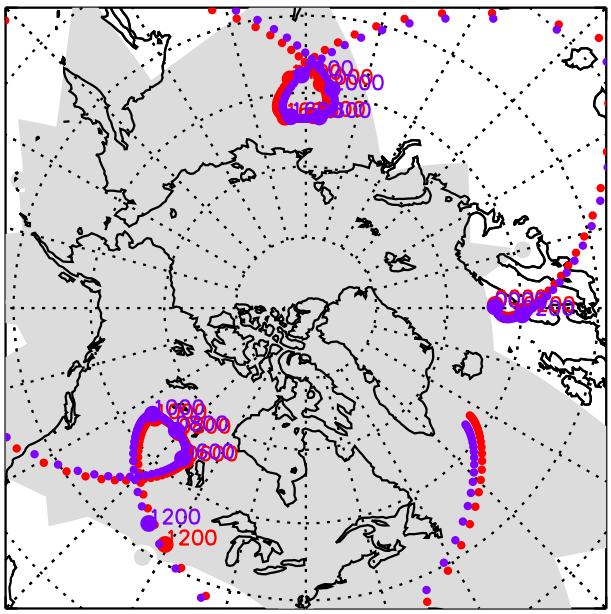
(c) 1945UT to 2355UT

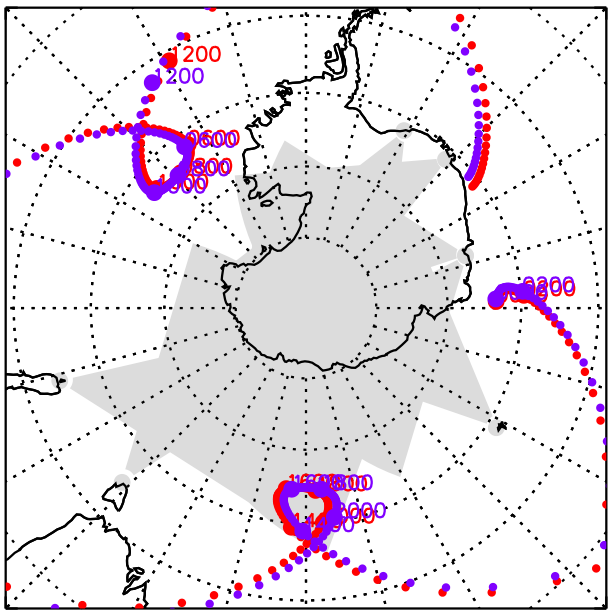


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

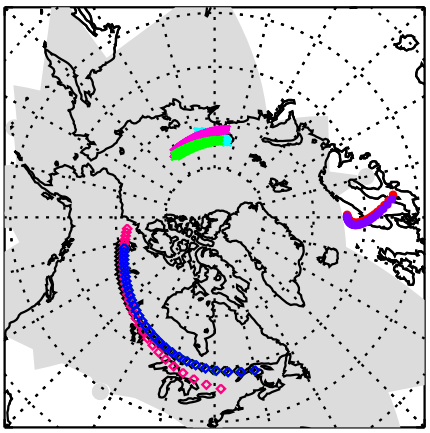
27−Mar−2013

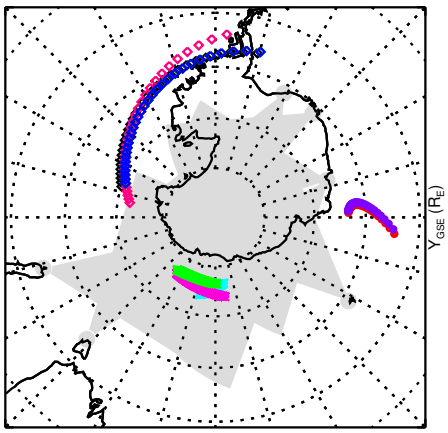
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

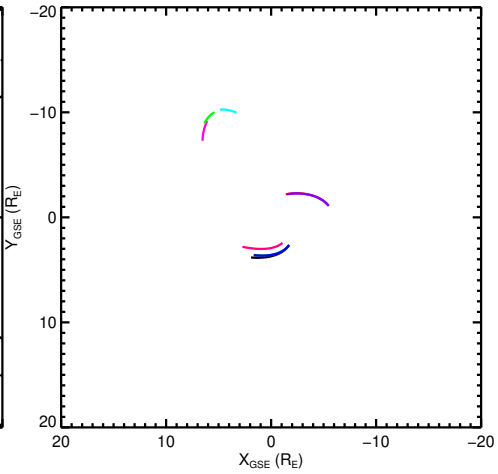




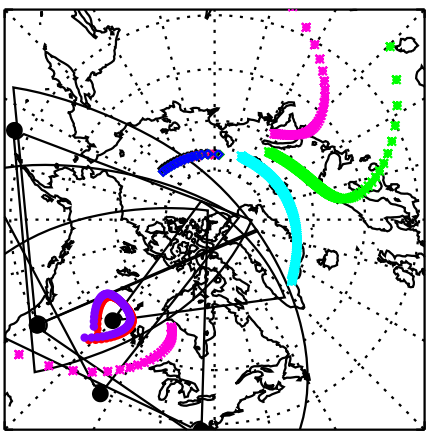
(a) 0000UT to 0240UT

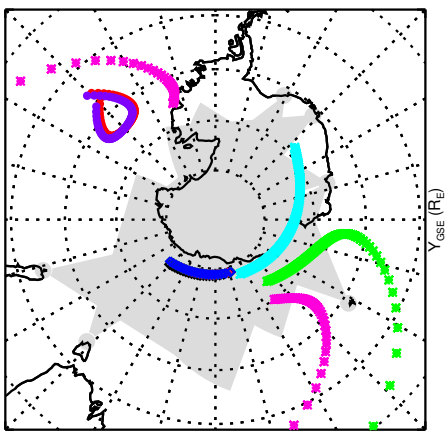


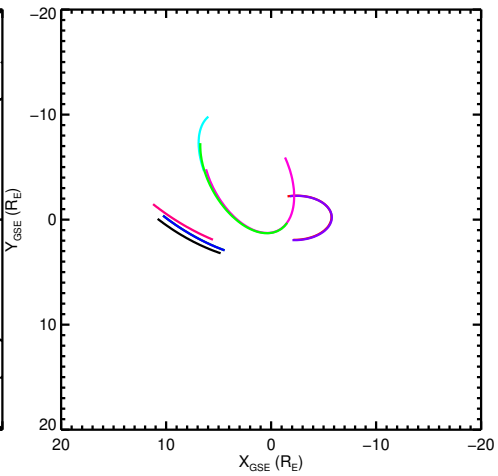




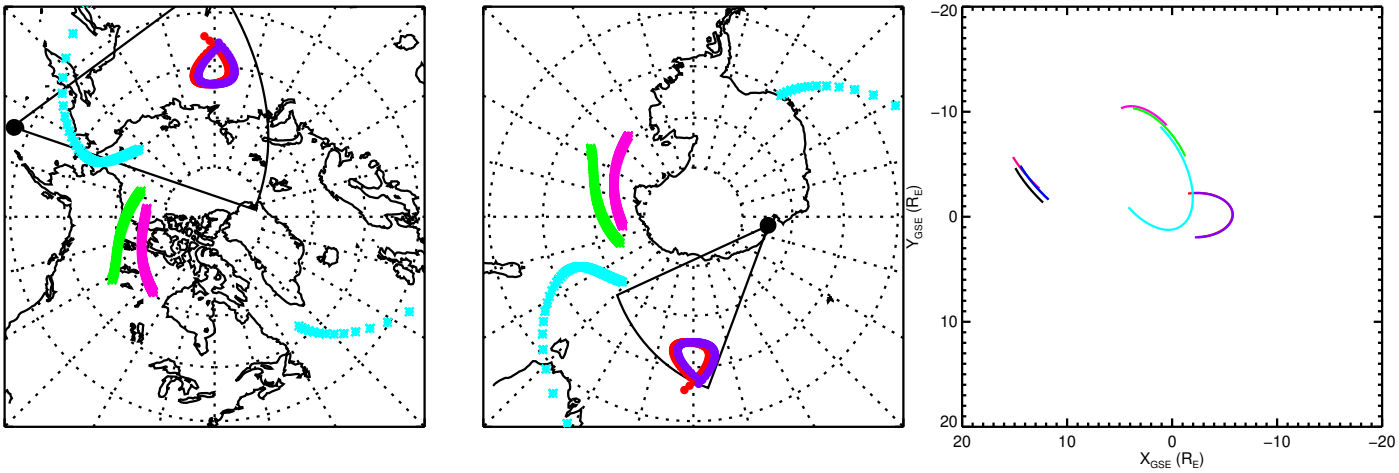
(b) 0445UT to 1135UT
ade bks cve cvw fhw sas



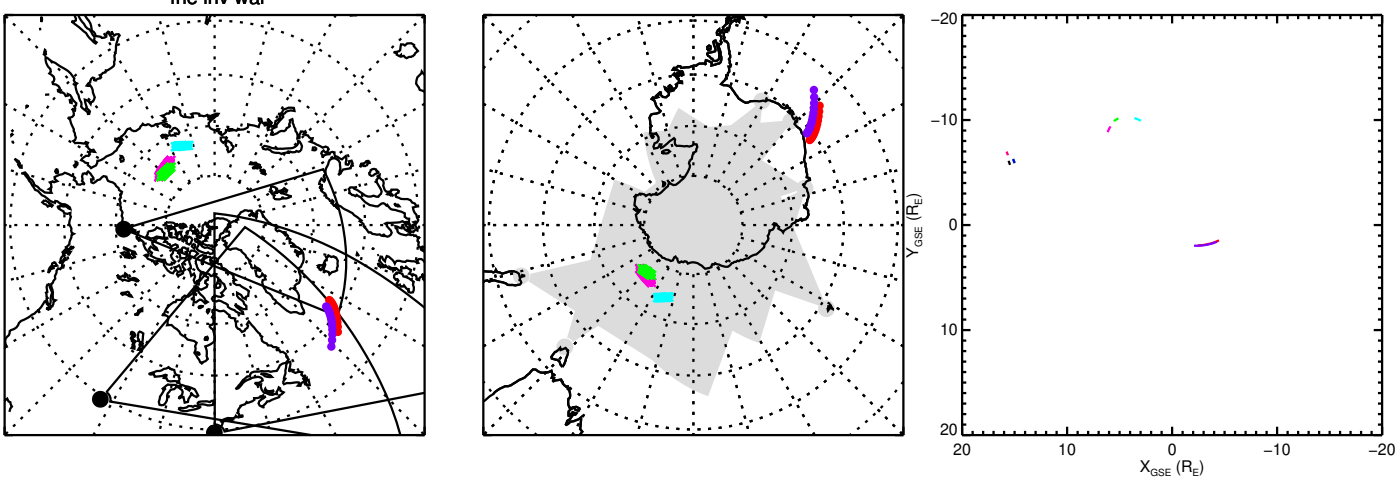




(c) 1350UT to 2035UT



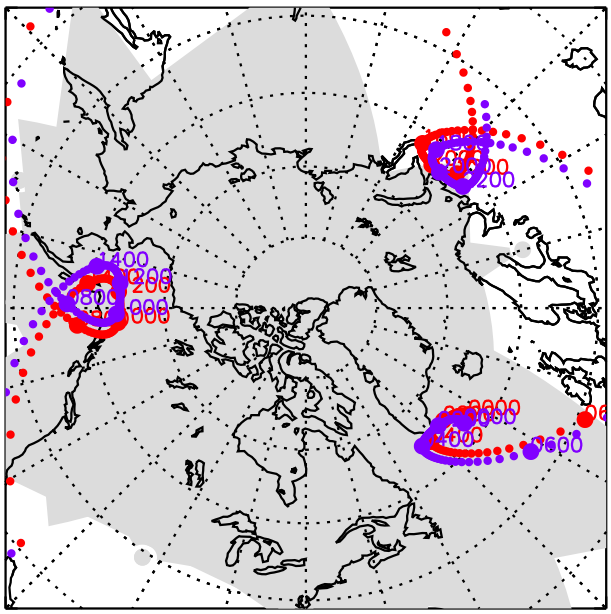
(d) 2250UT to 2355UT

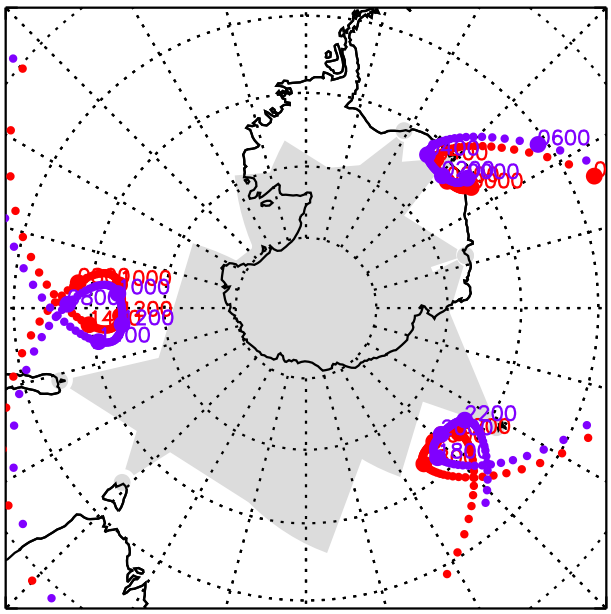


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

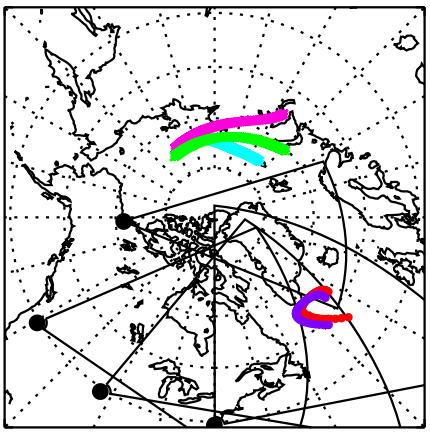
28–Mar–2013

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

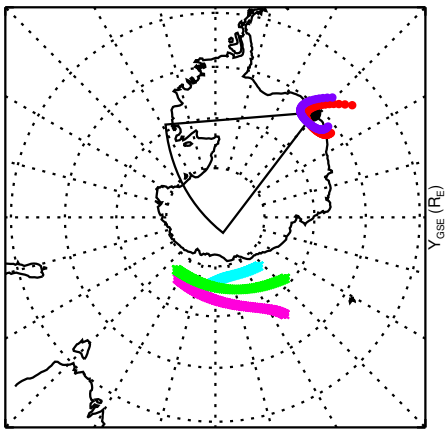


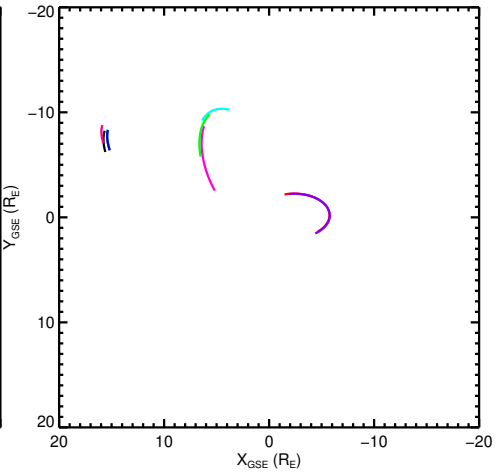


(a) 0000UT to 0535UT
cve fhe inv wal

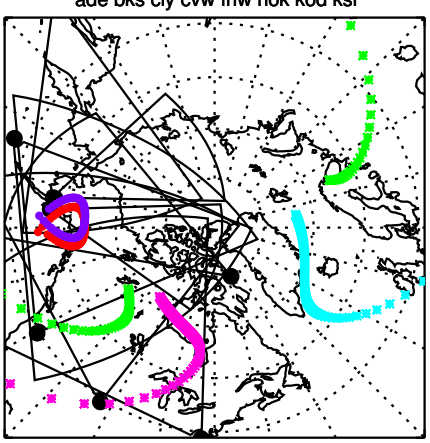


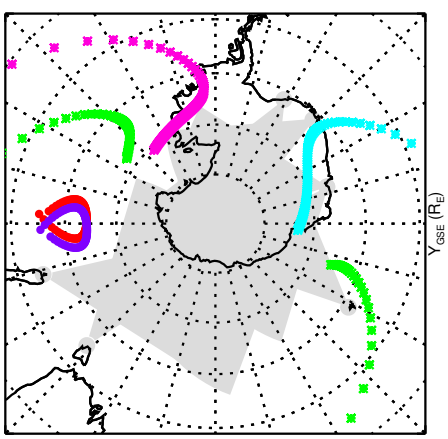
san

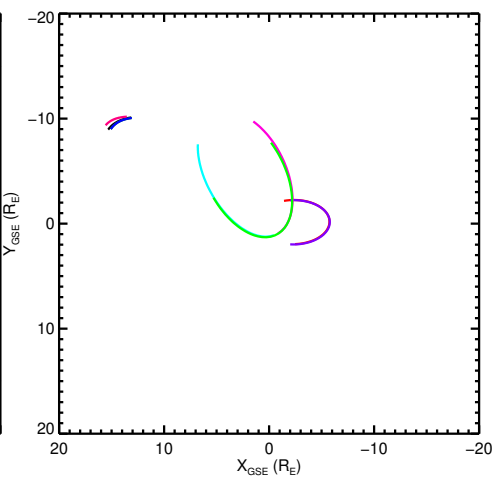




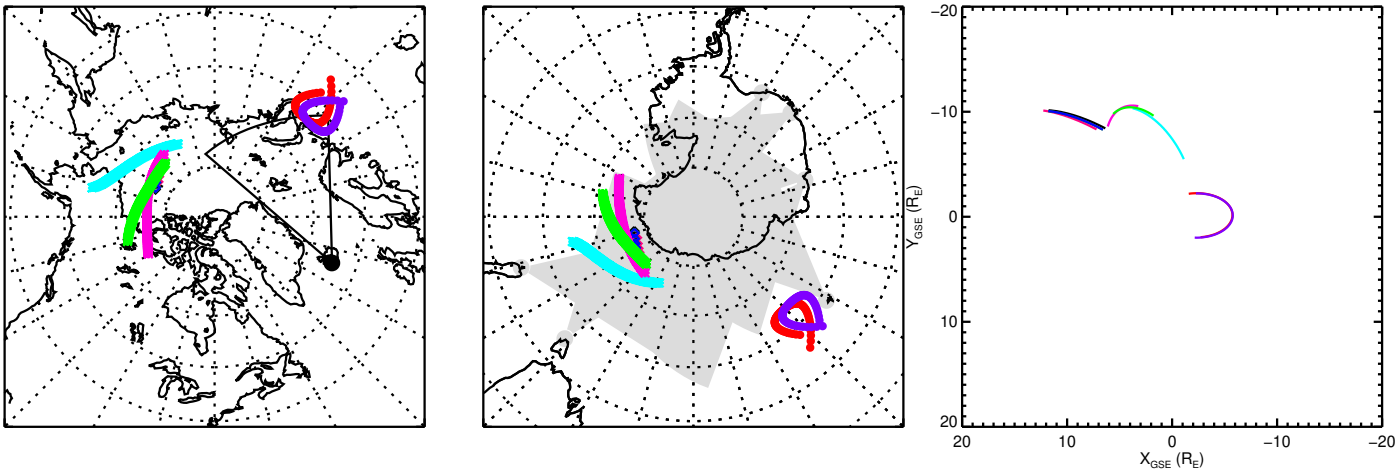
(b) 0750UT to 1435UT
ade bks cly cvw fhw hok kod ksr







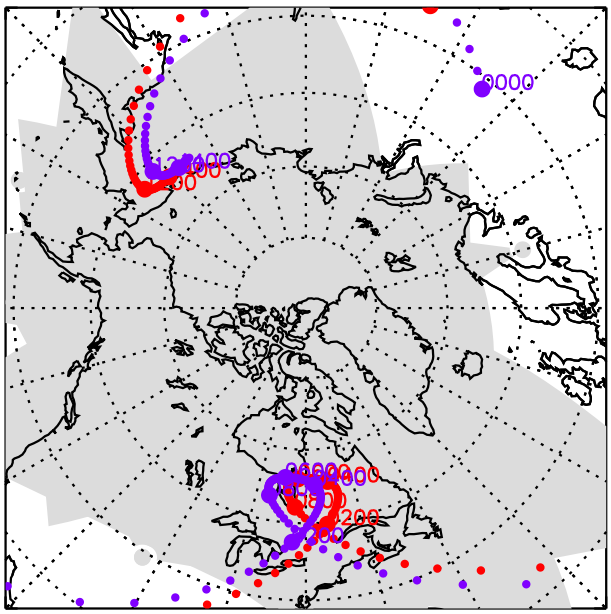
(c) 1655UT to 2330UT
pyk

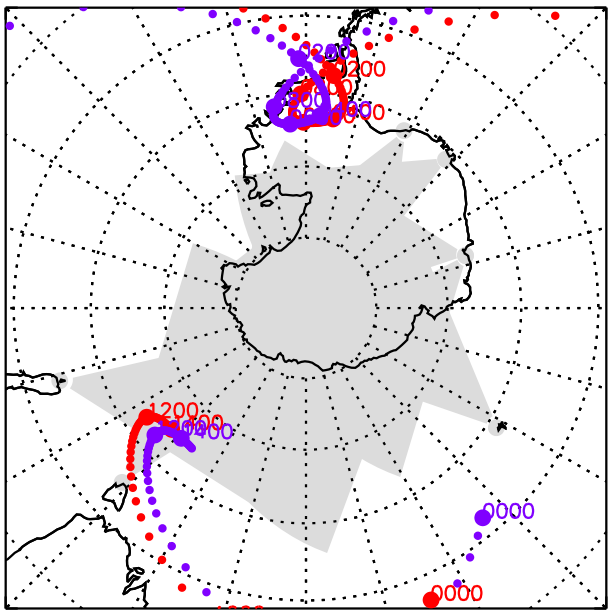


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

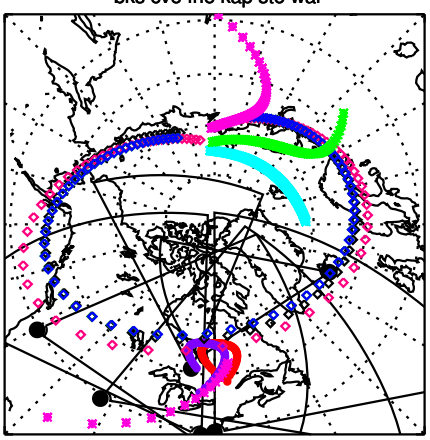
29–Mar–2013

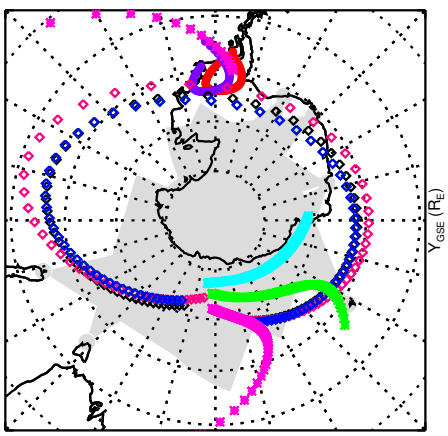
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

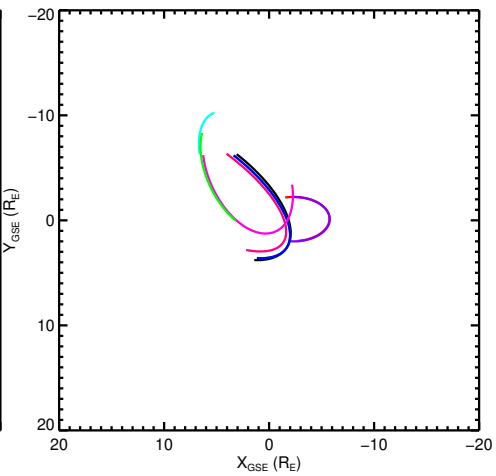




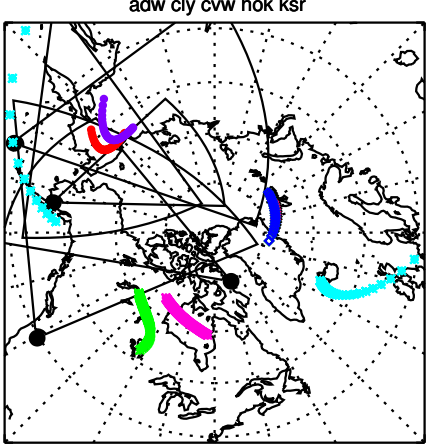
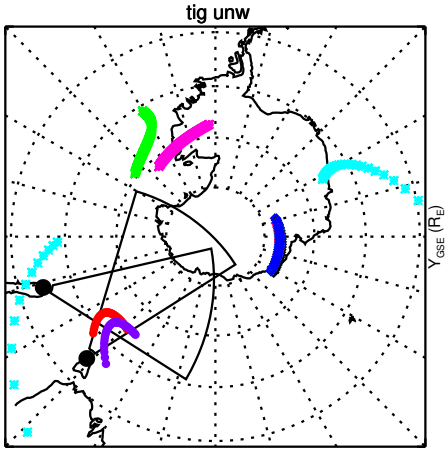
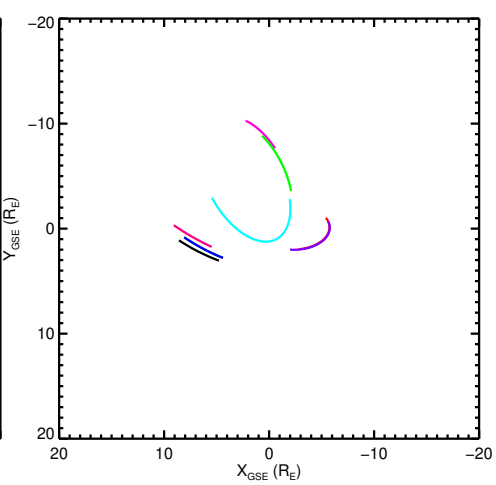
(a) 0155UT to 0830UT
bks cve fhe kap sto wal







(b) 1055UT to 1455UT
adw cly cvw hok ksr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