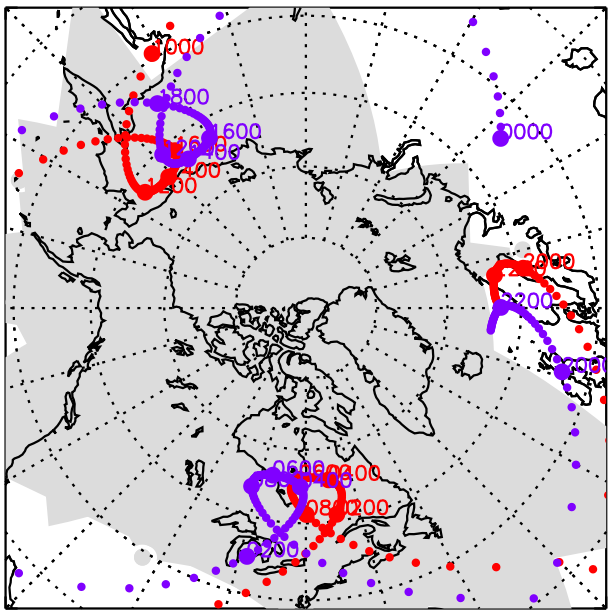
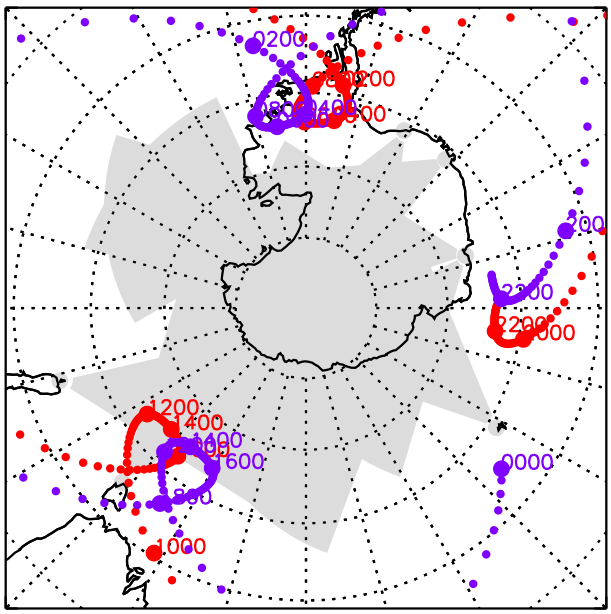
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

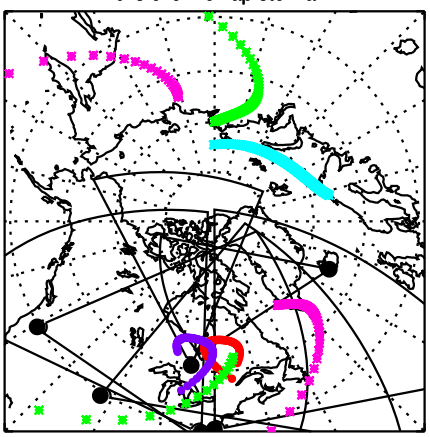
01−Apr−2013

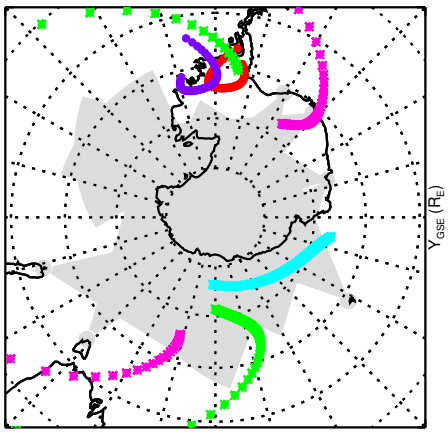
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

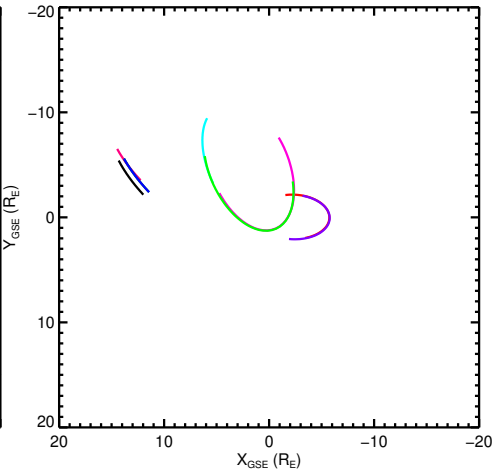




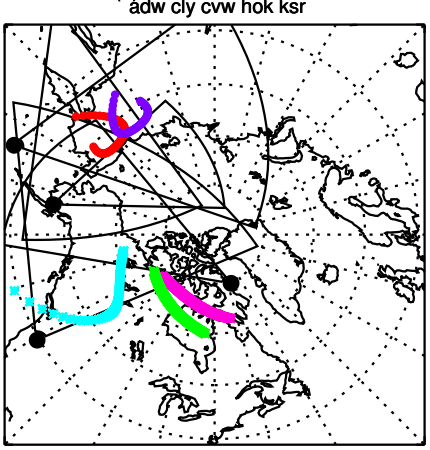
(a) 0205UT to 0820UT
bks cve fhe kap sto wal



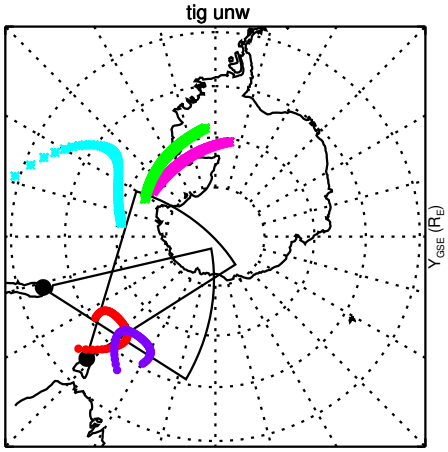


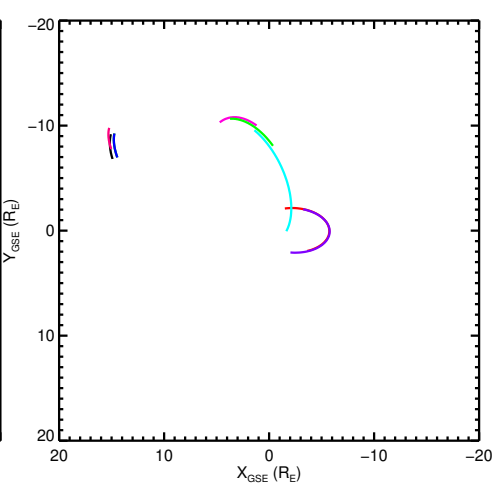


(b) 1110UT to 1720UT
adw cly cvw hok ksr

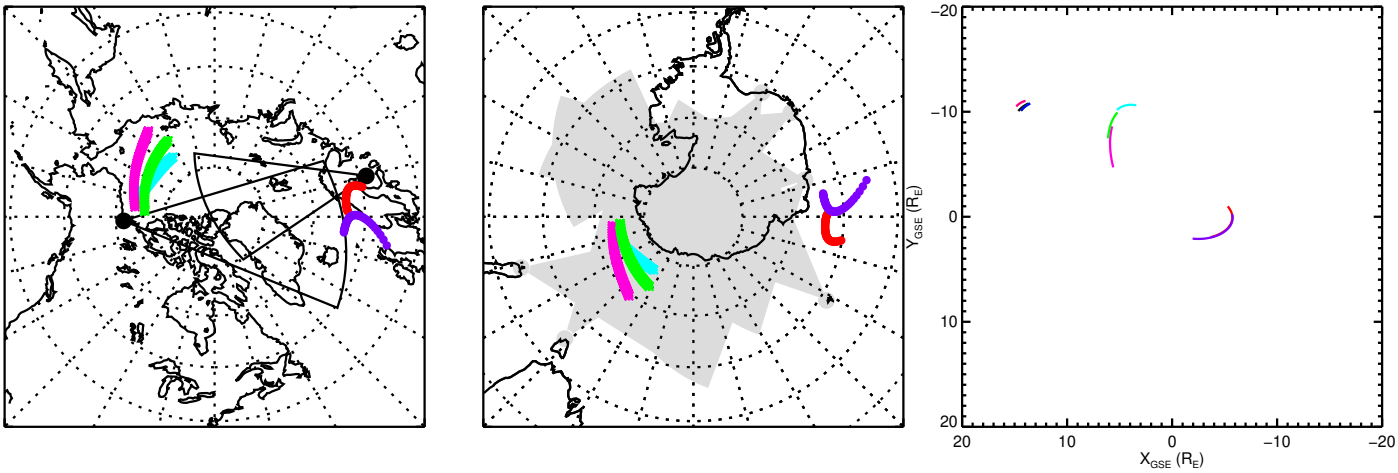


tig unw





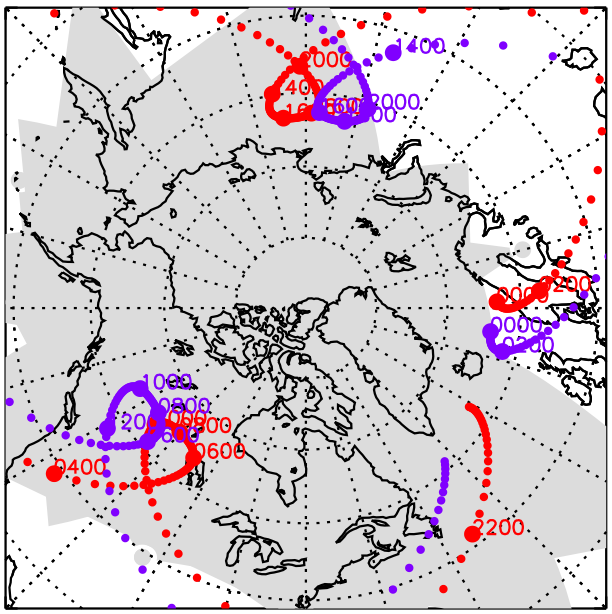
(c) 2010UT to 2355UT
han inv

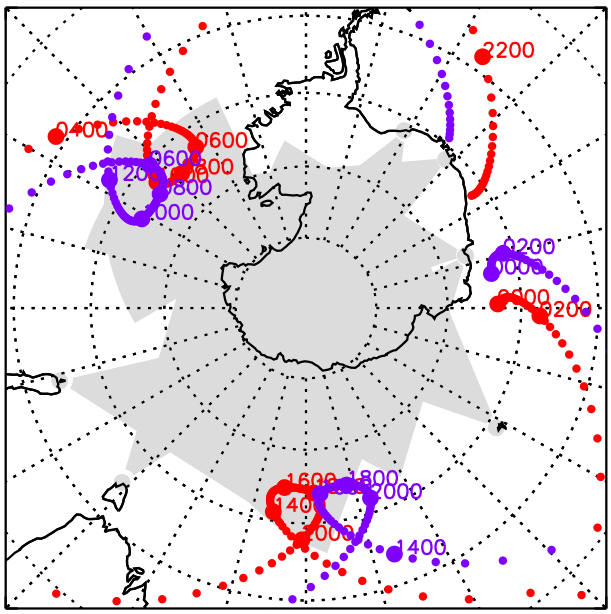


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

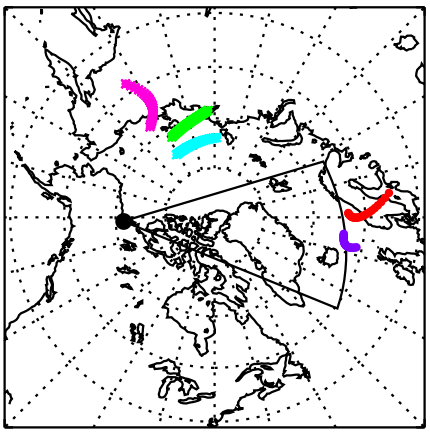
02–Apr–2013

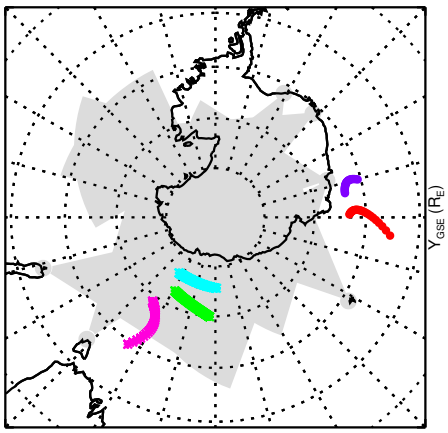
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

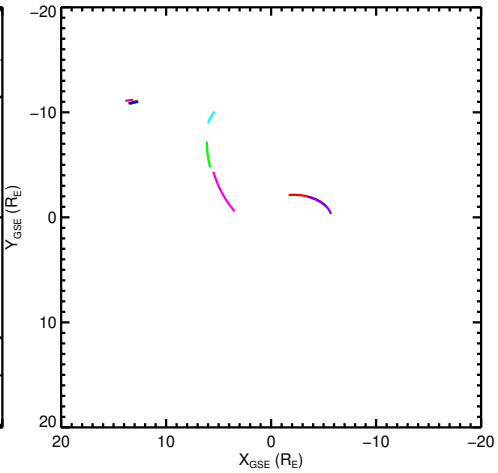




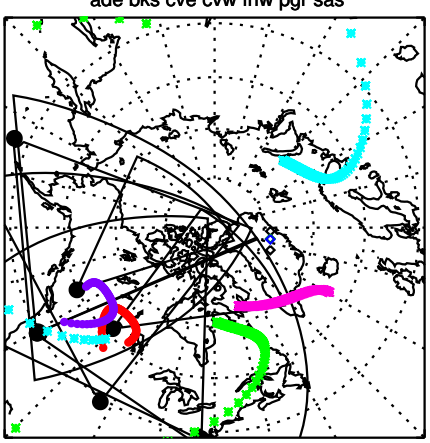
(a) 0000UT to 0215UT
inv



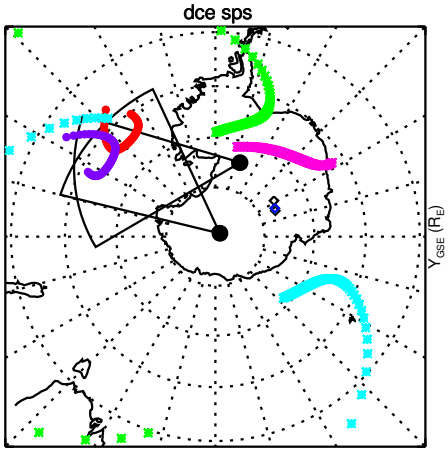


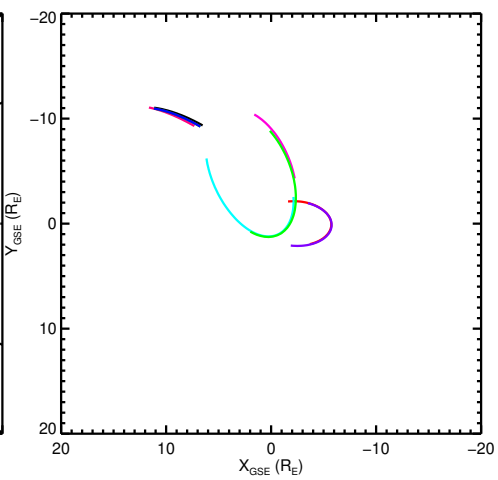


(b) 0510UT to 1115UT
ade bks cve cvw fhw pgr sas

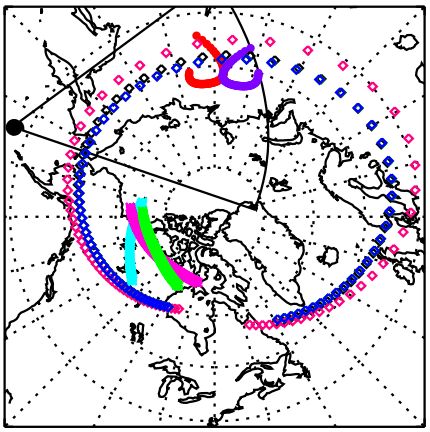


dce sps

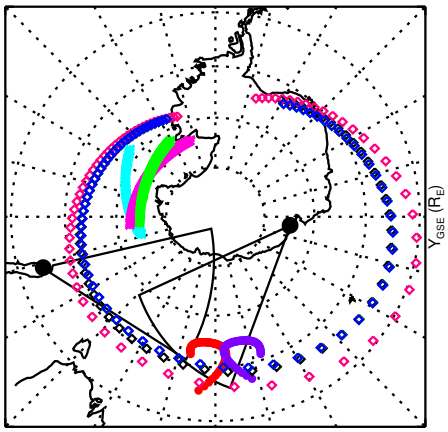


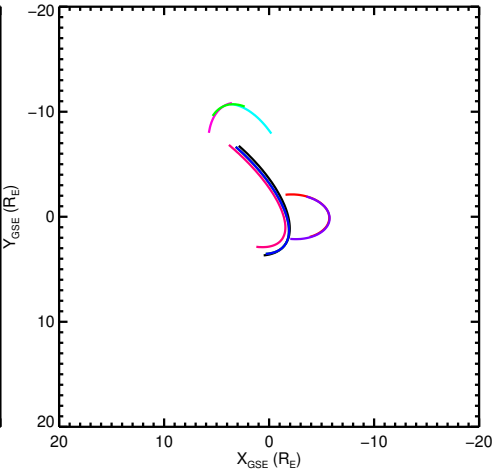


(c) 1415UT to 2015UT
adw

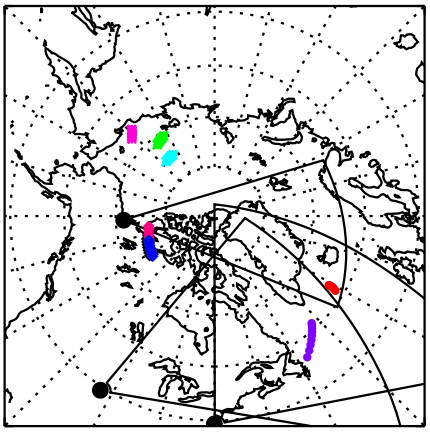


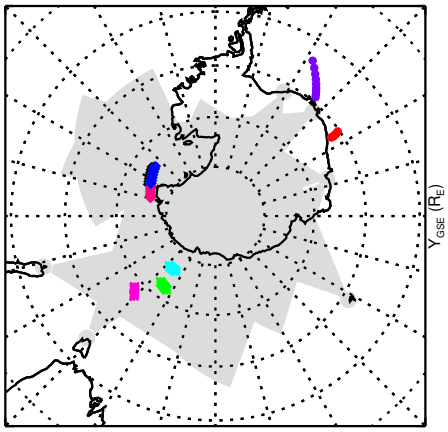
unw zho

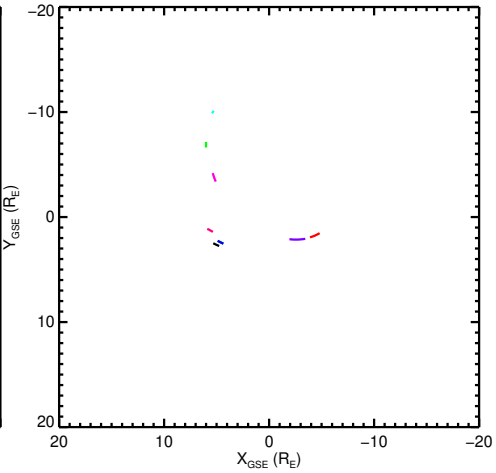




(d) 2315UT to 2355UT
fhe inv wal



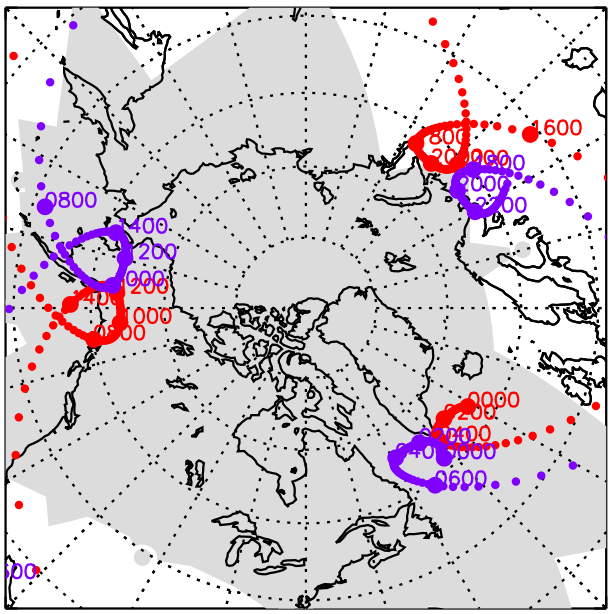


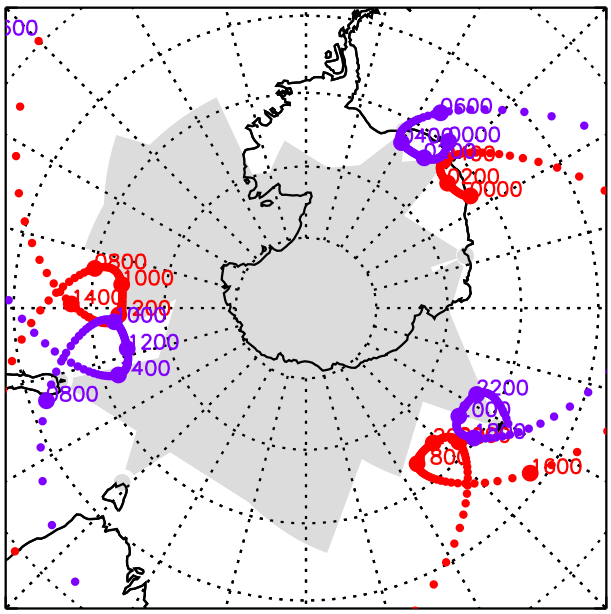


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

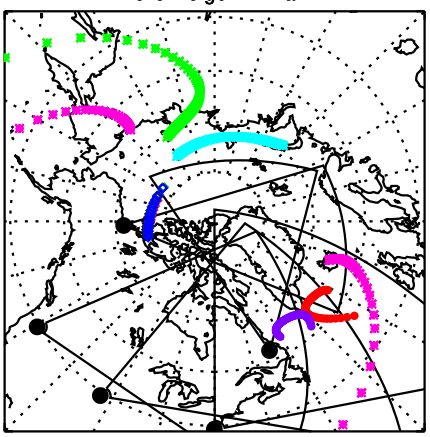
03–Apr–2013

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

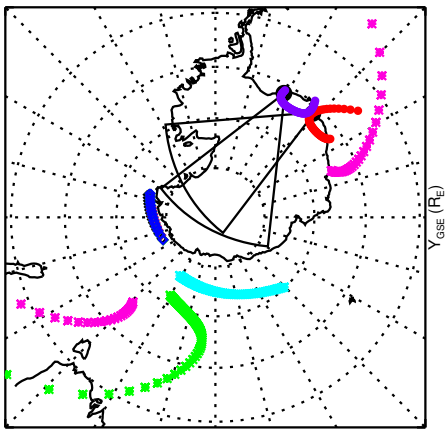


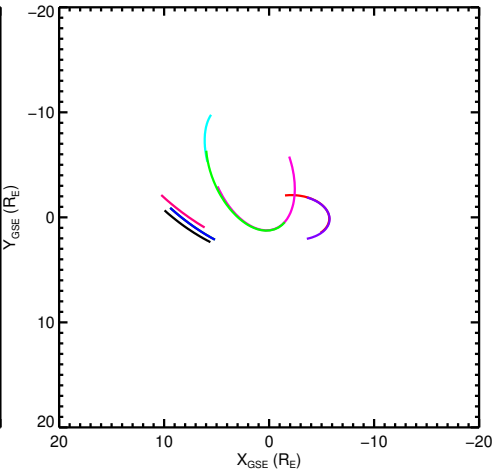


(a) 0000UT to 0515UT
cve fhe gbr inv wal

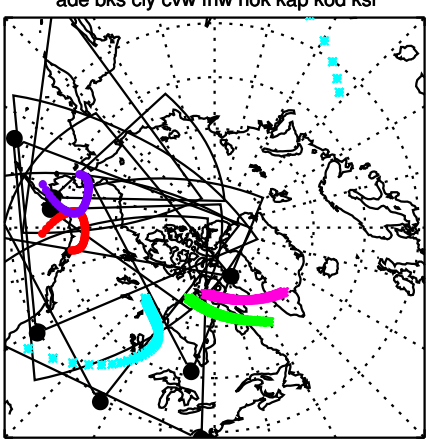


hal san

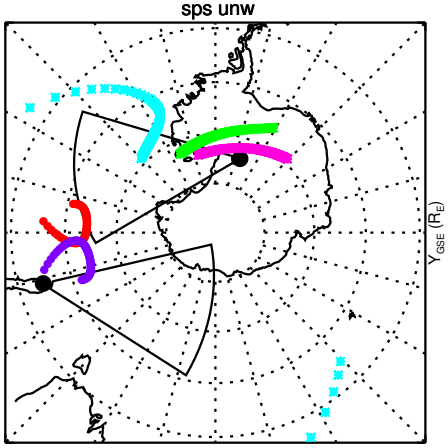


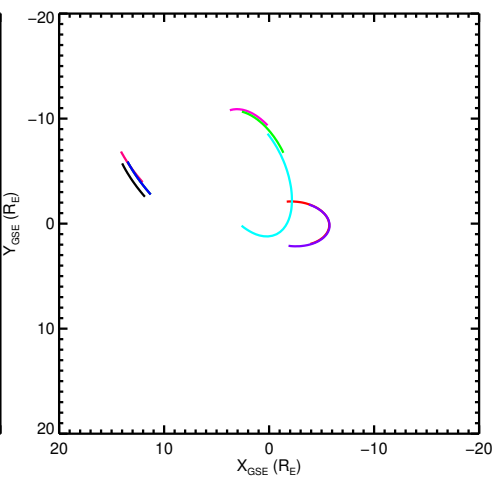


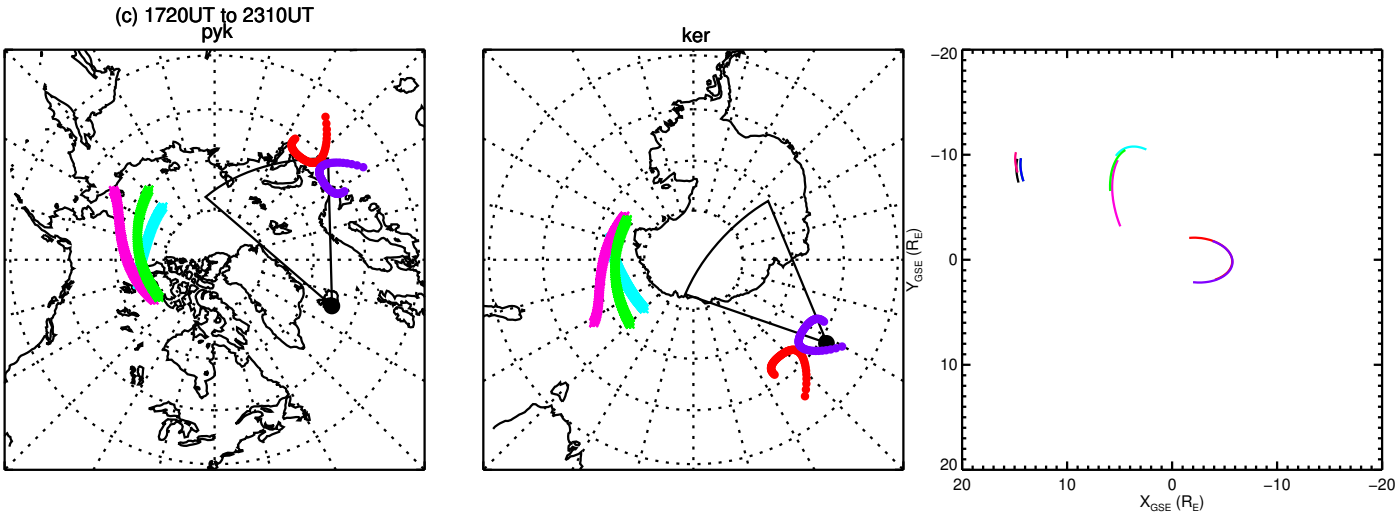
(b) 0815UT to 1410UT
ade bks cly cvw fhw hok kap kod ksr



sps unw



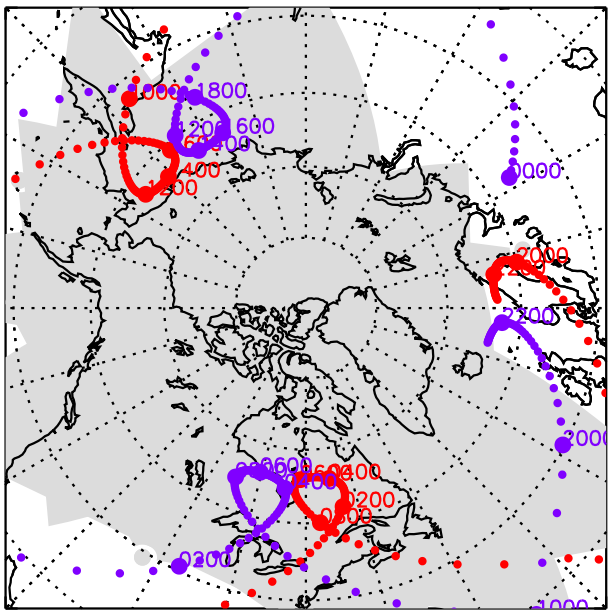


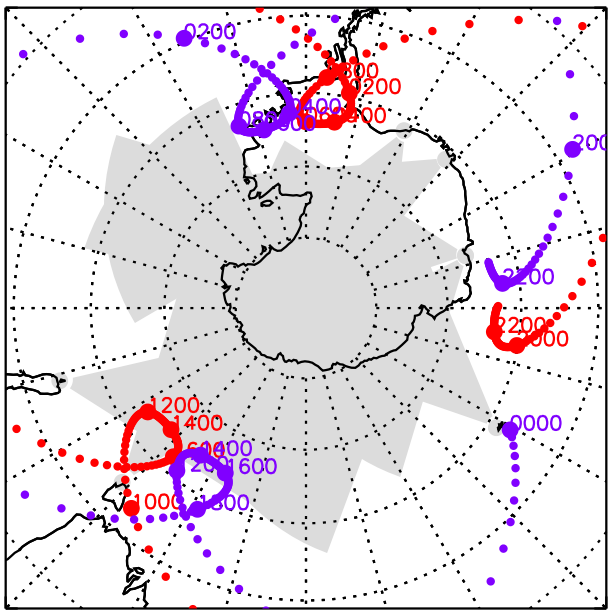

(c) 1720UT to 2310UT
pyk
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

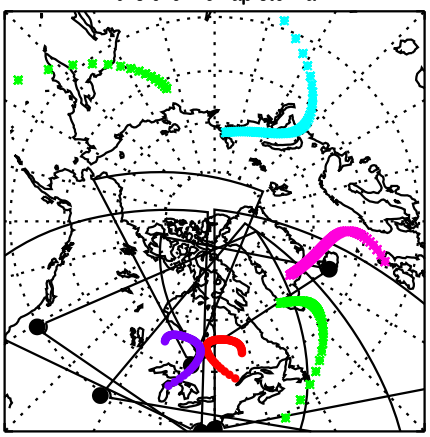
04–Apr–2013

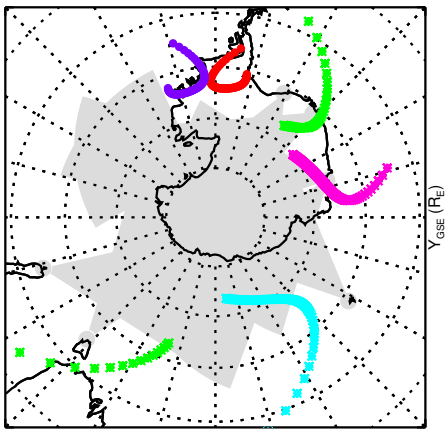
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

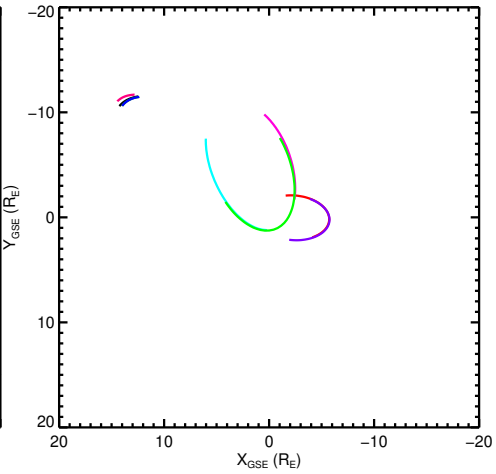




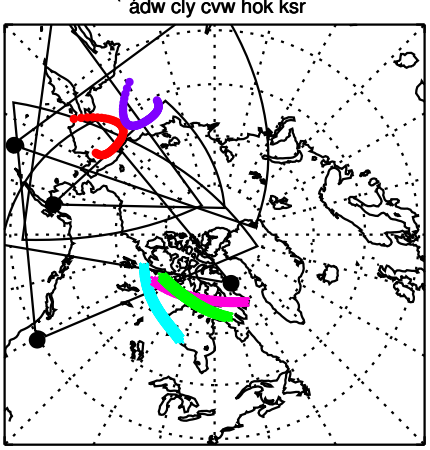
(a) 0220UT to 0810UT
bks cve fhe kap sto wal



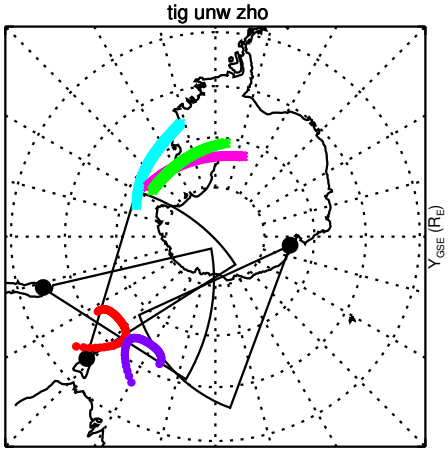


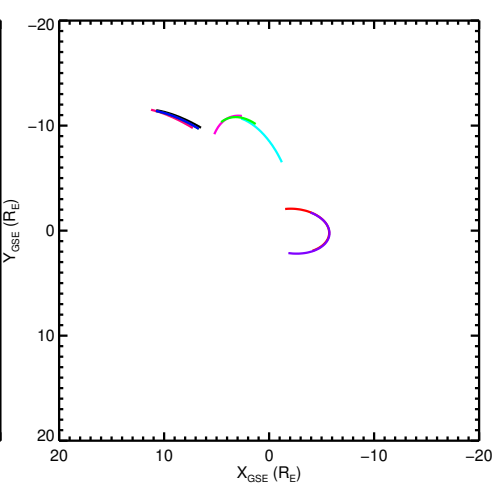


(b) 1120UT to 1710UT
adw cly cvw hok ksr

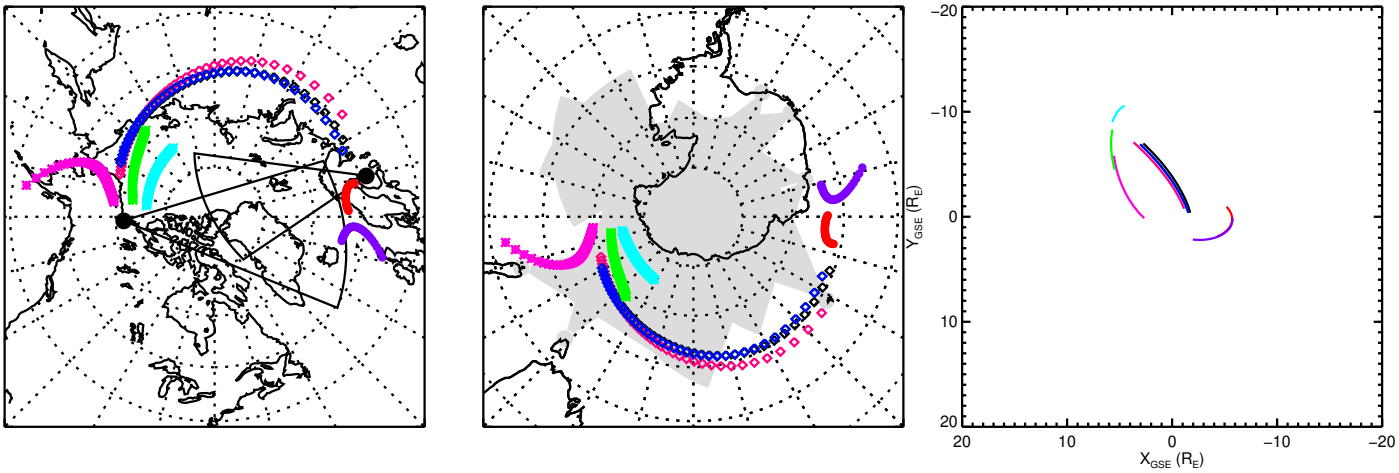


tig unw zho





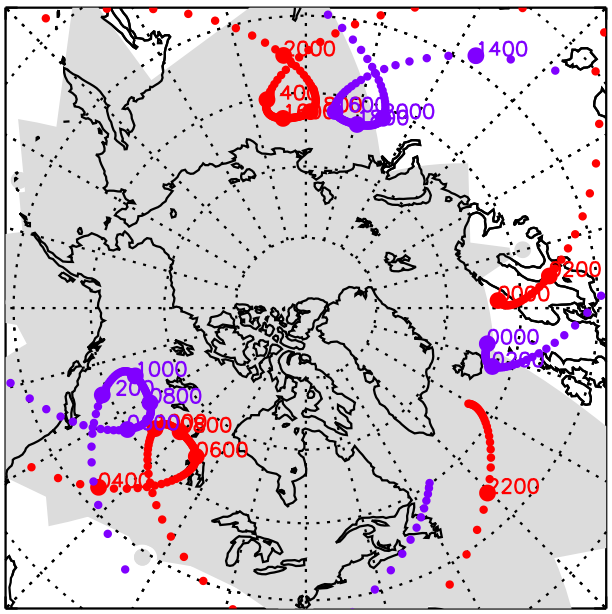
(c) 2025UT to 2355UT
han inv

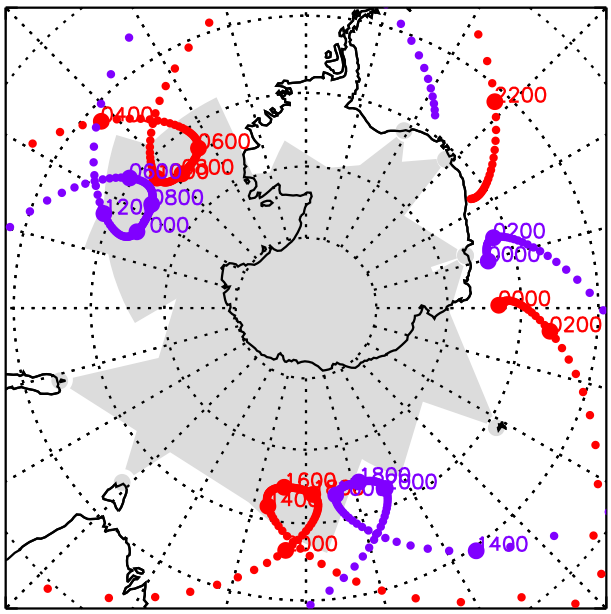


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

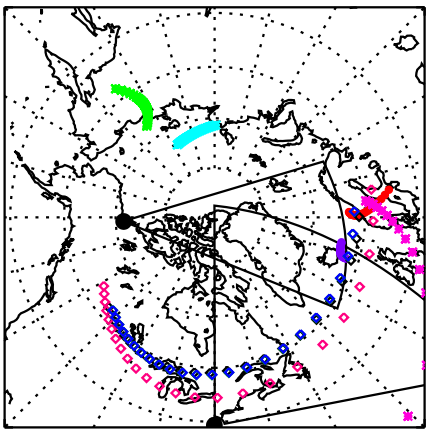
05–Apr–2013

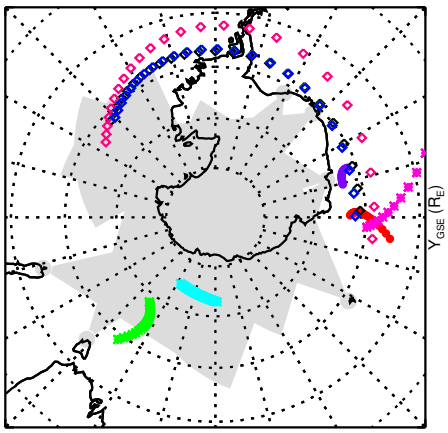
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

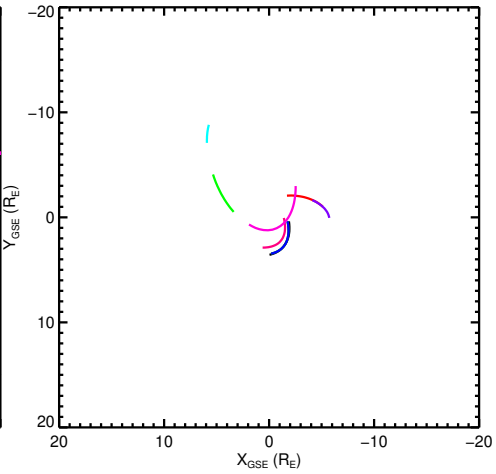




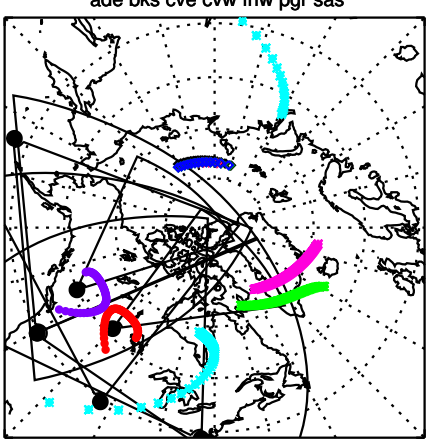
(a) 0000UT to 0205UT
inv wal



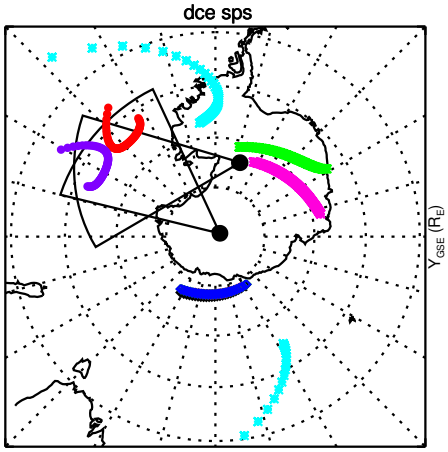


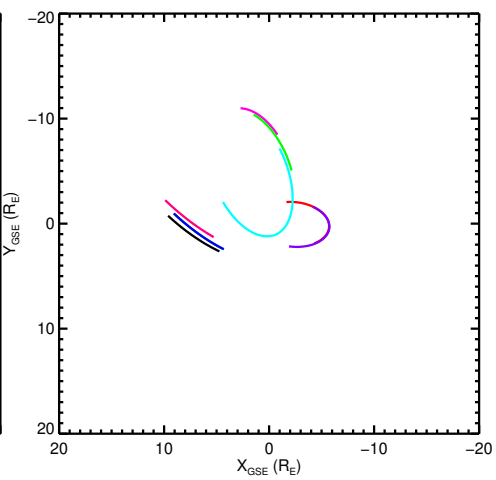


(b) 0525UT to 1105UT
ade bks cve cvw fhw pgr sas



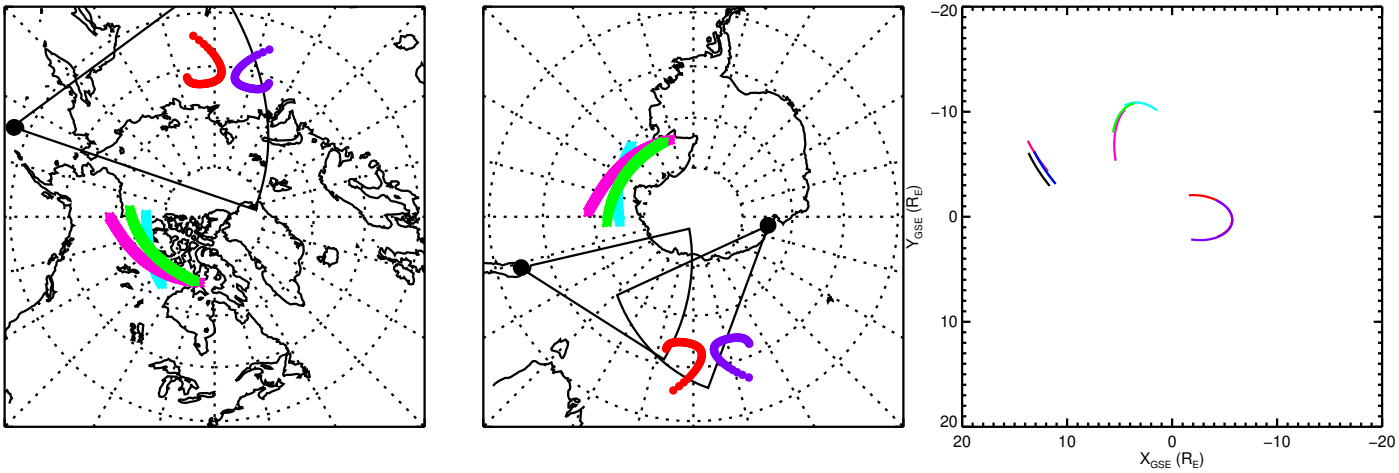
dce sps



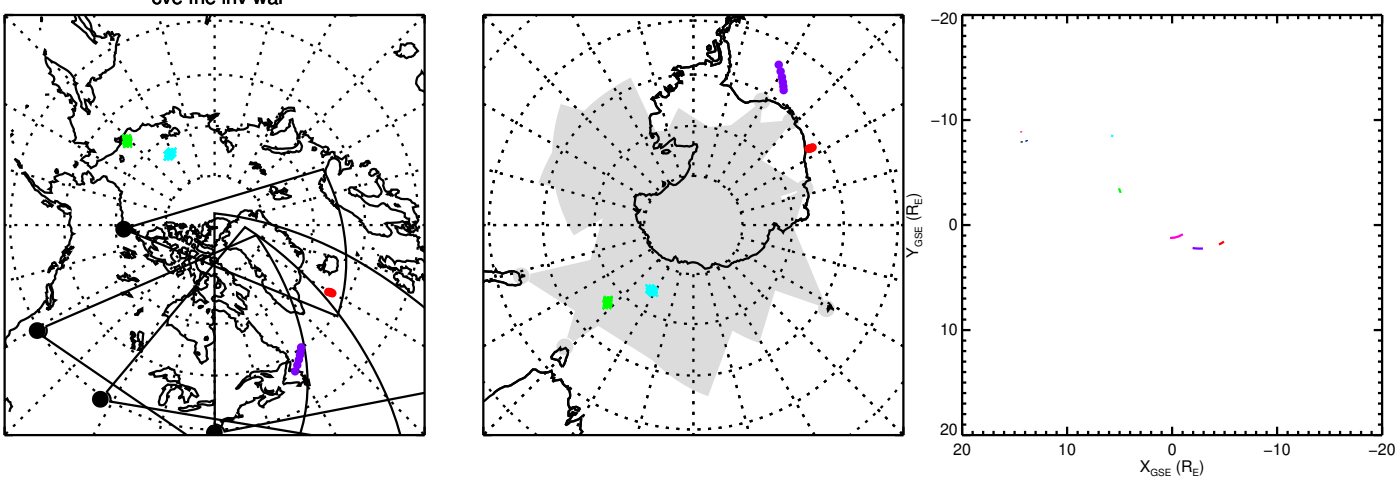


(c) 1425UT to 2005UT
adw

unw zho



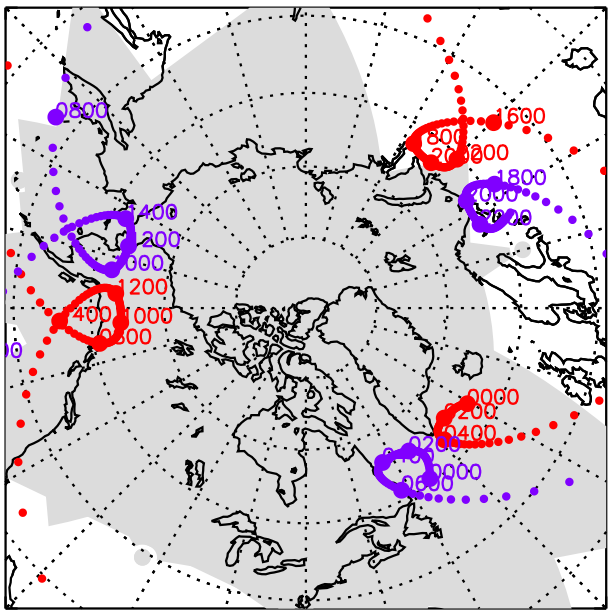
(d) 2330UT to 2355UT
cve fhe inv wal

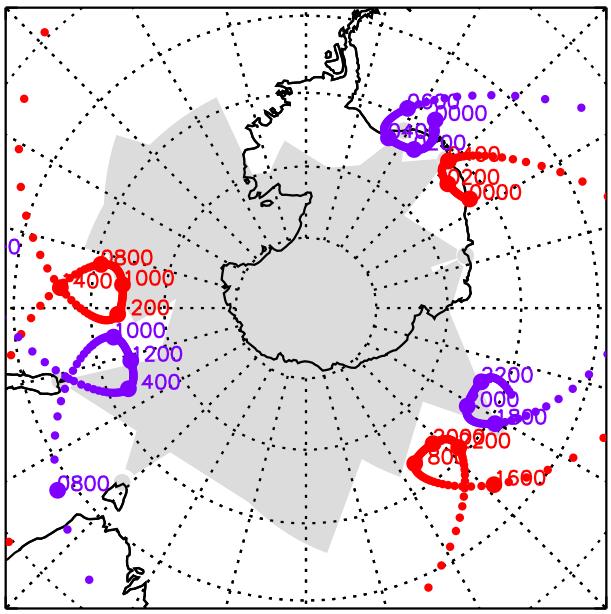


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

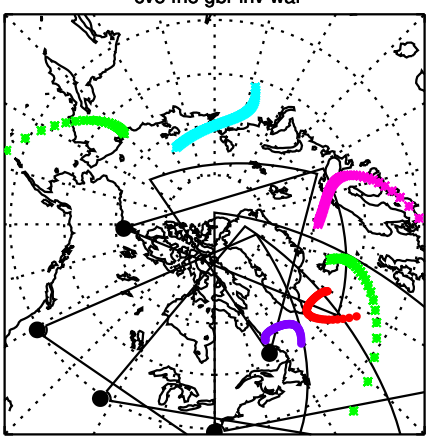
06–Apr–2013

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

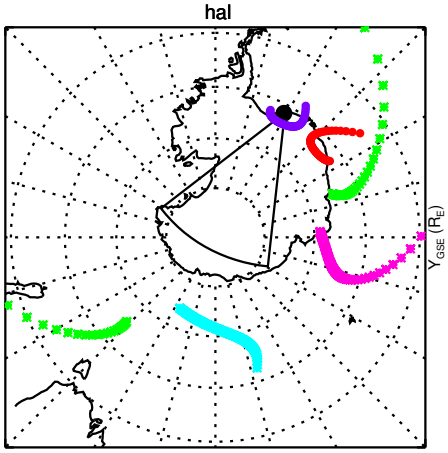


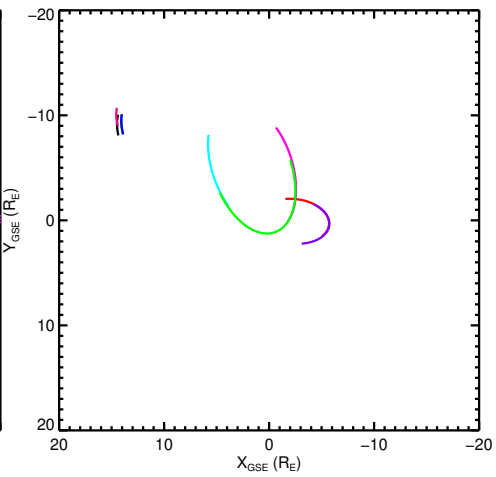


(a) 0000UT to 0505UT
cve fhe gbr inv wal

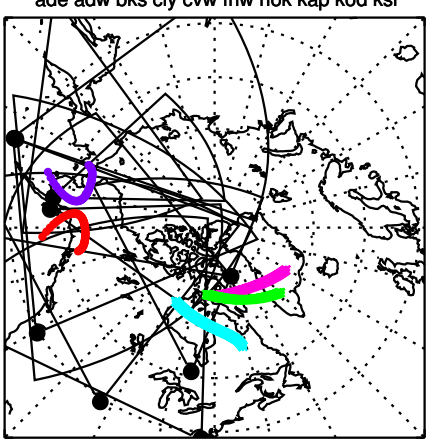


hal

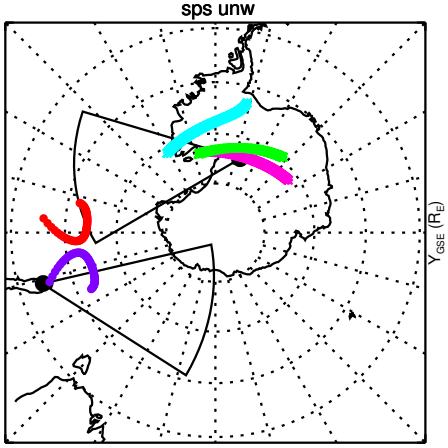


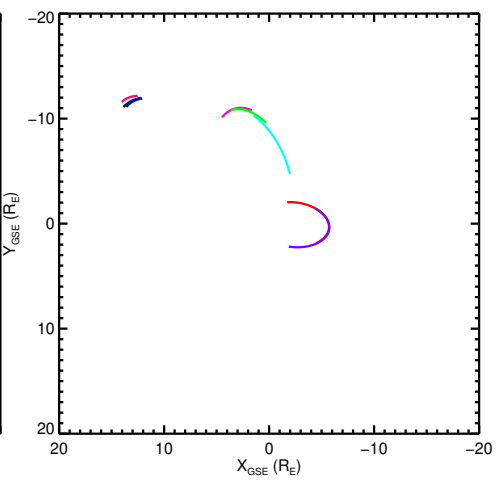


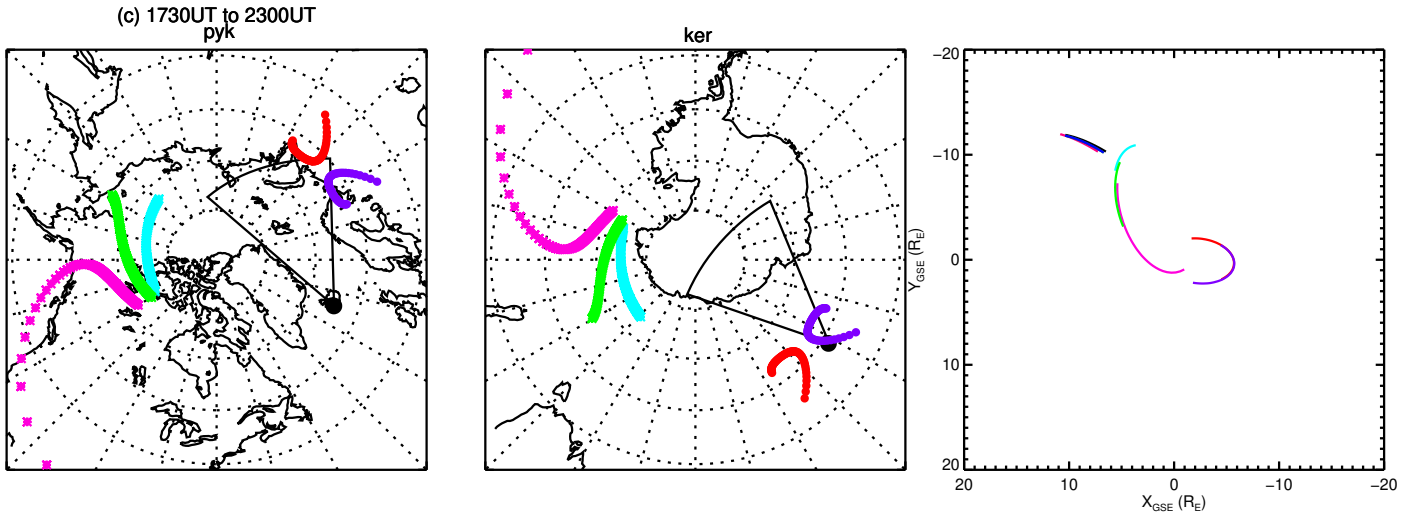
(b) 0830UT to 1400UT
ade adw bks cly cvw fhw hok kap kod ksr



sps unw



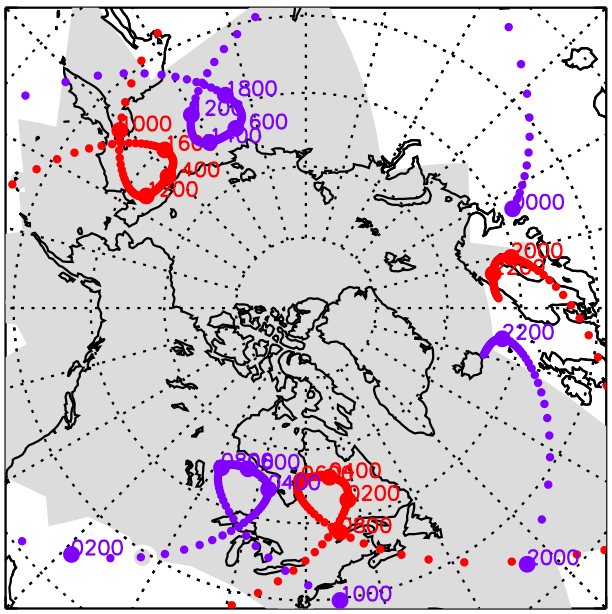


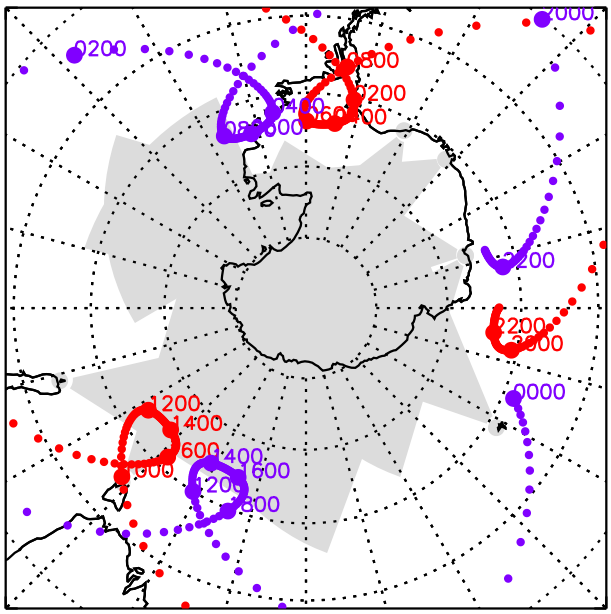

(c) 1730UT to 2300UT
pyk
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

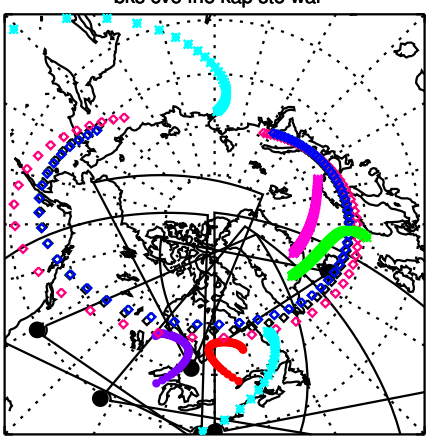
07−Apr−2013

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

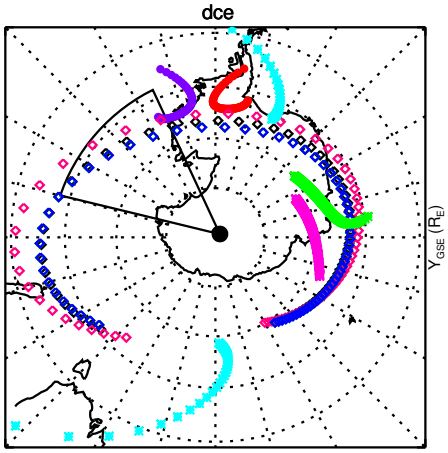


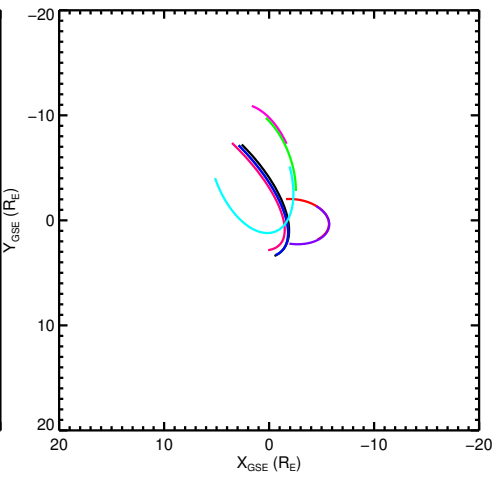


(a) 0235UT to 0800UT
bks cve fhe kap sto wal

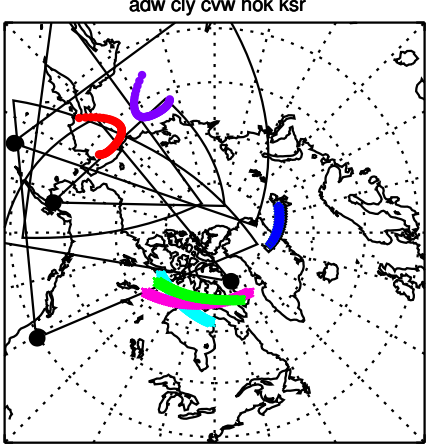


dce

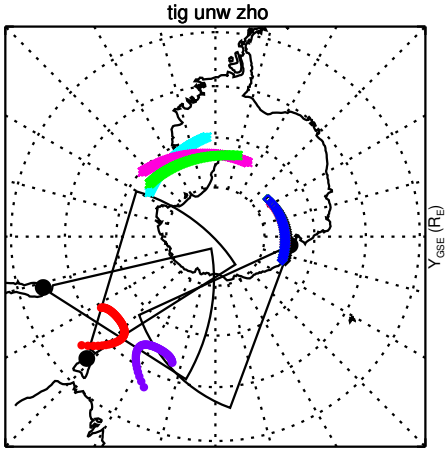


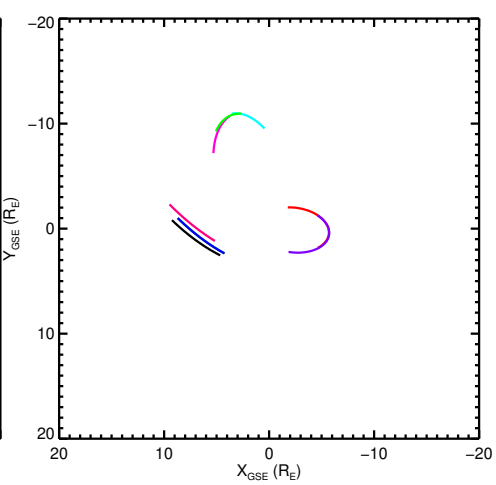


(b) 1135UT to 1655UT
adw cly cvw hok ksr

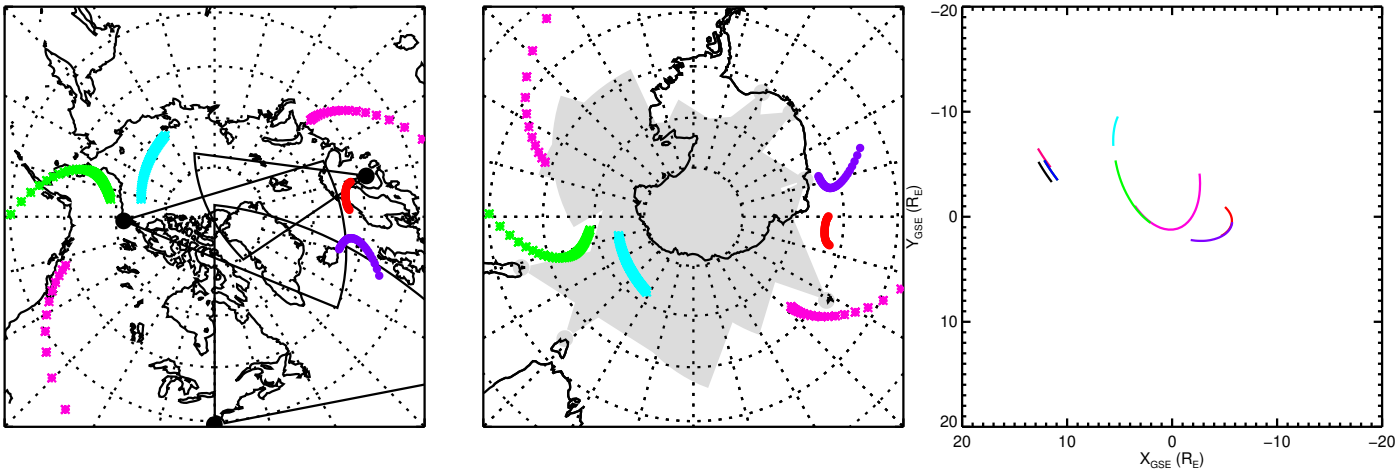


tig unw zho





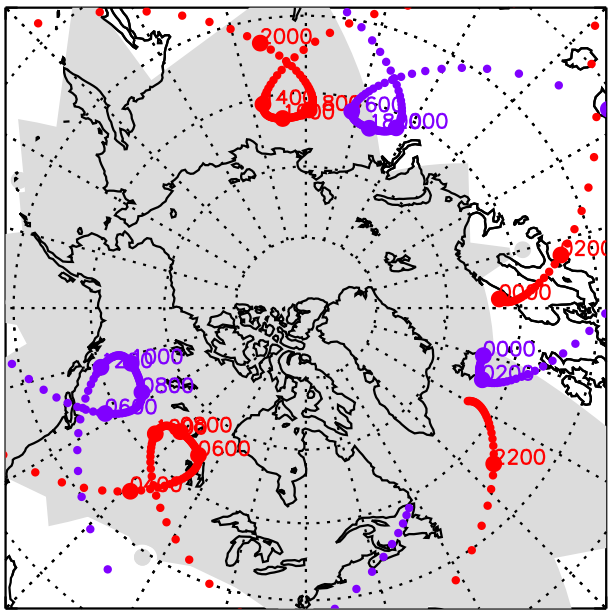
(c) 2035UT to 2355UT
han inv wal

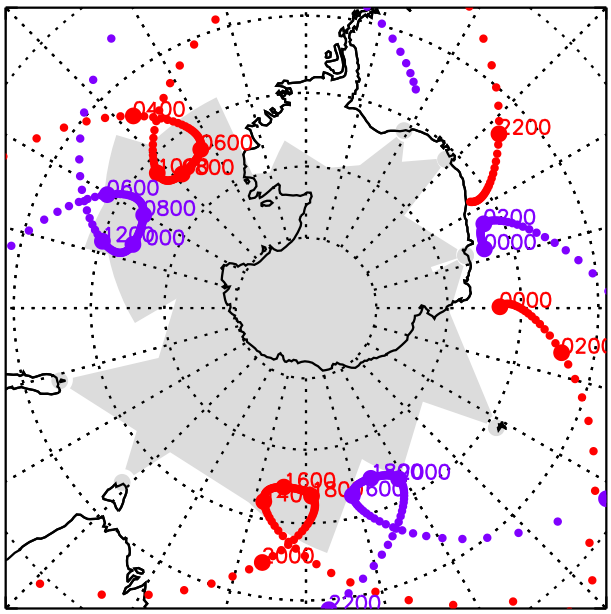


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

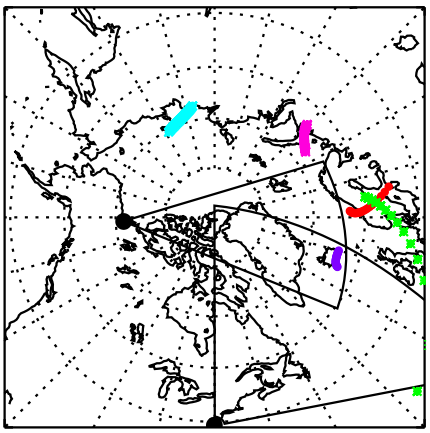
08–Apr–2013

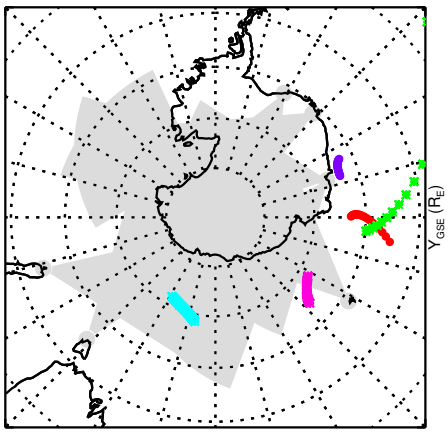
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

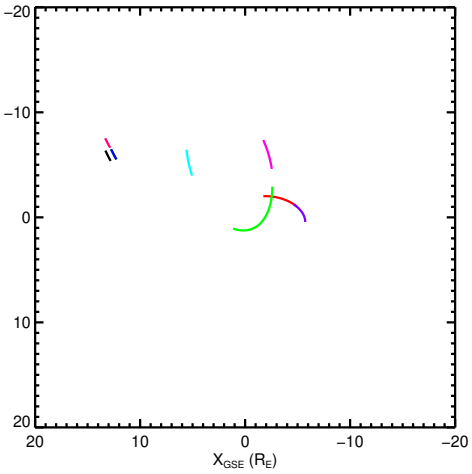




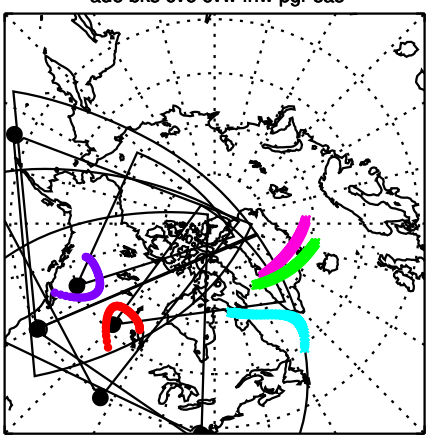
(a) 0000UT to 0155UT
inv wal



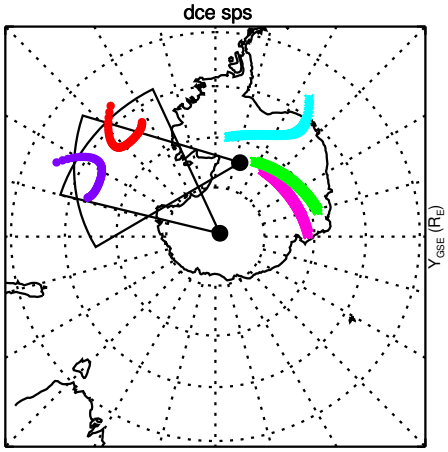


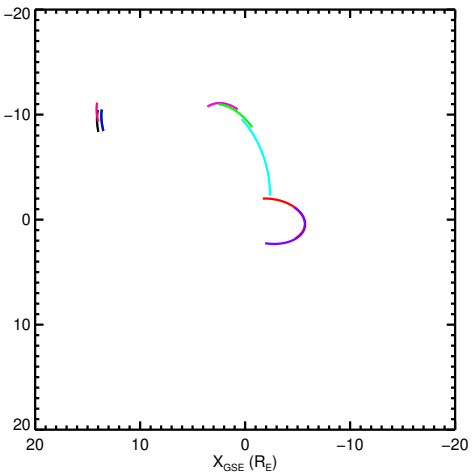


(b) 0540UT to 1055UT
ade bks cve cvw fhw pgr sas

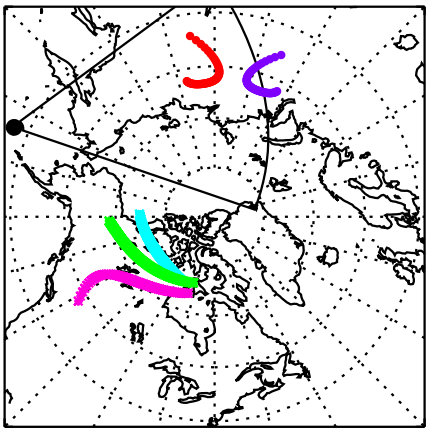


dce sps

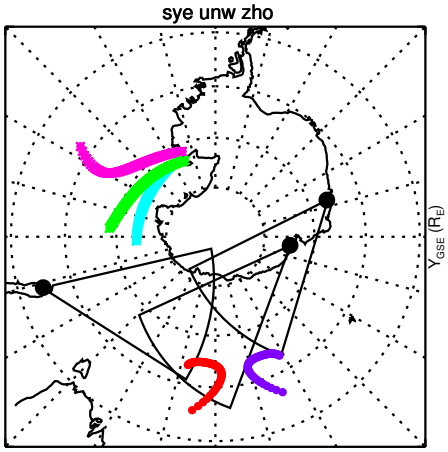


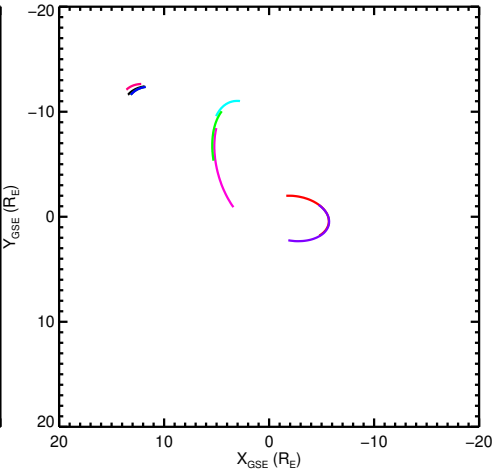


(c) 1440UT to 1955UT
adw

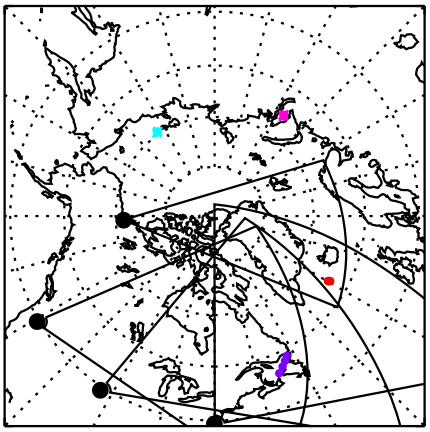


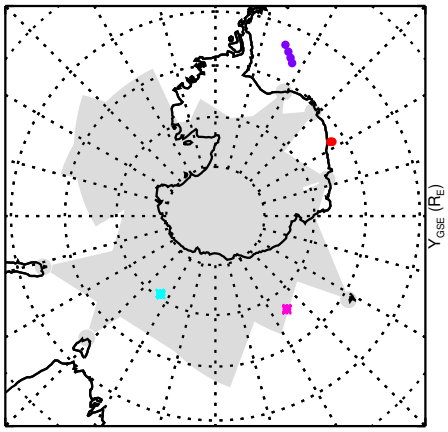
sye unw zho

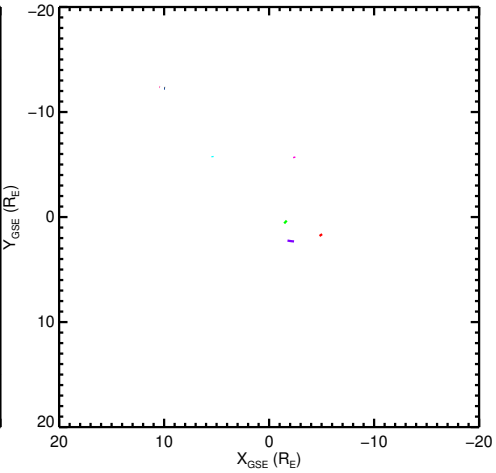




(d) 2340UT to 2355UT
cve fhe inv wal



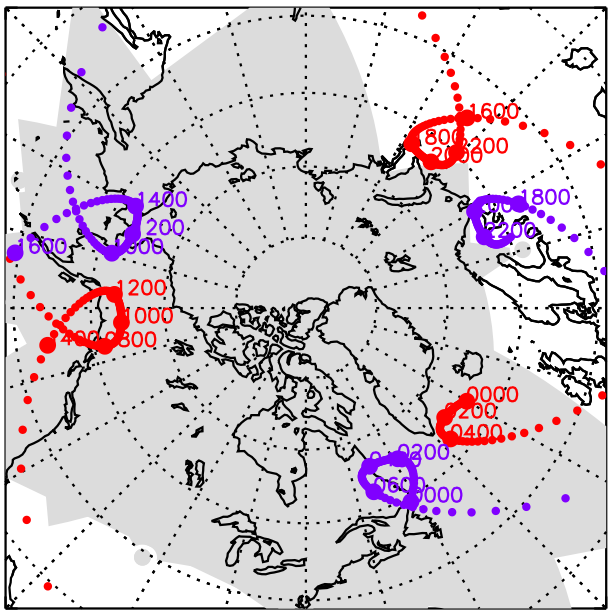


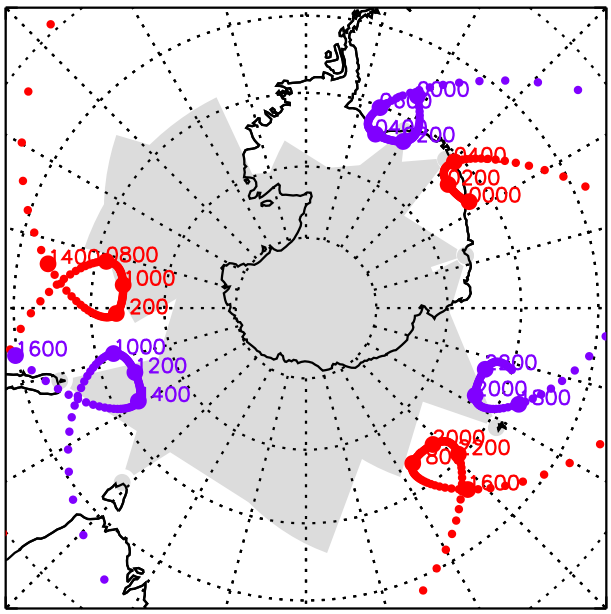


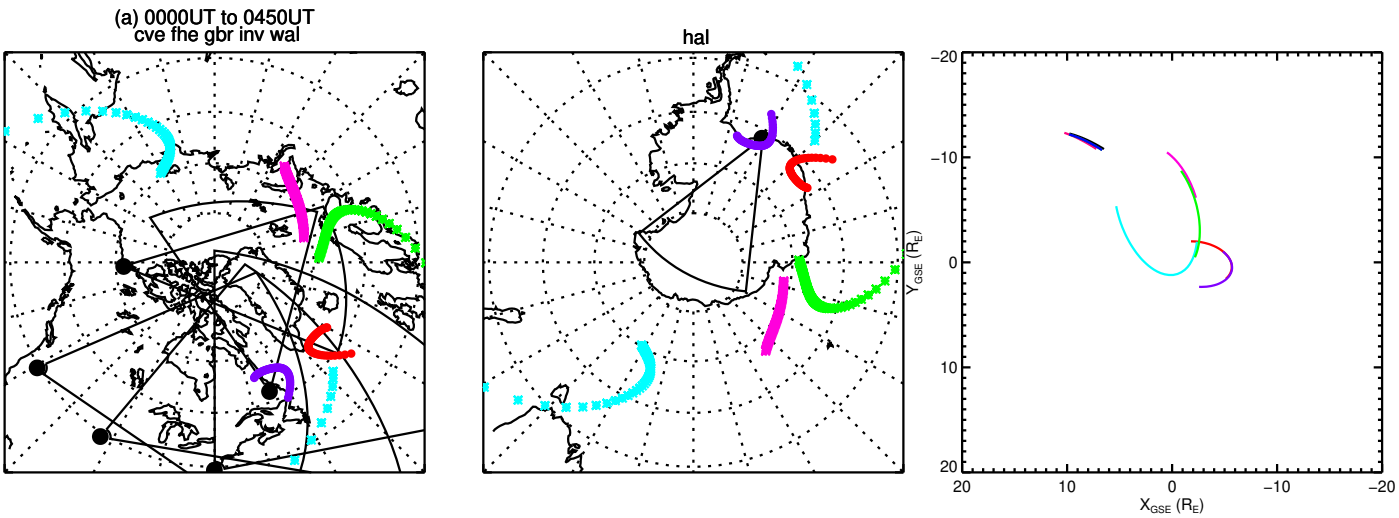
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

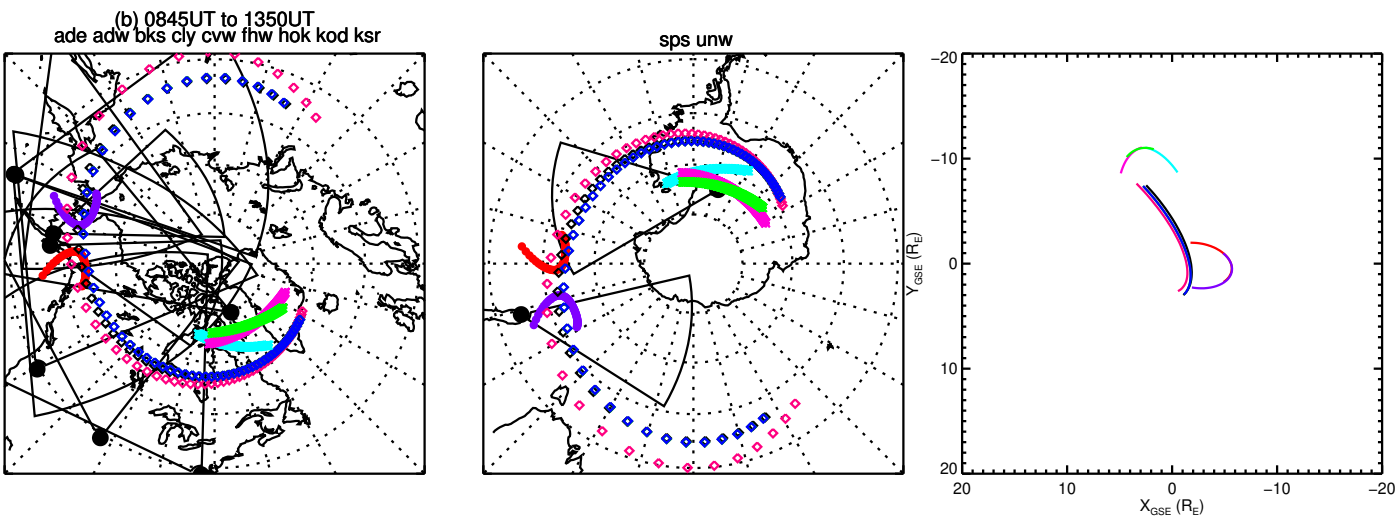
09–Apr–2013

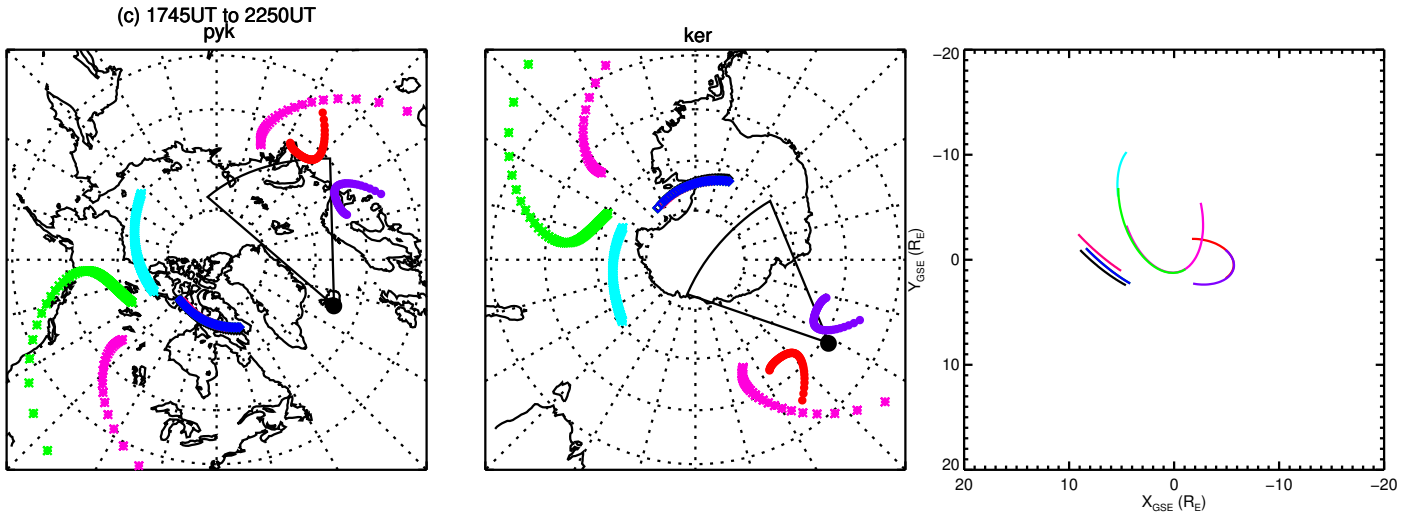
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE







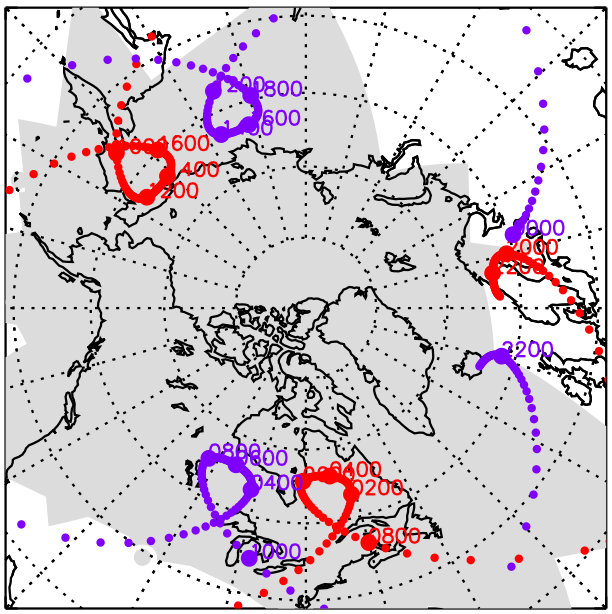


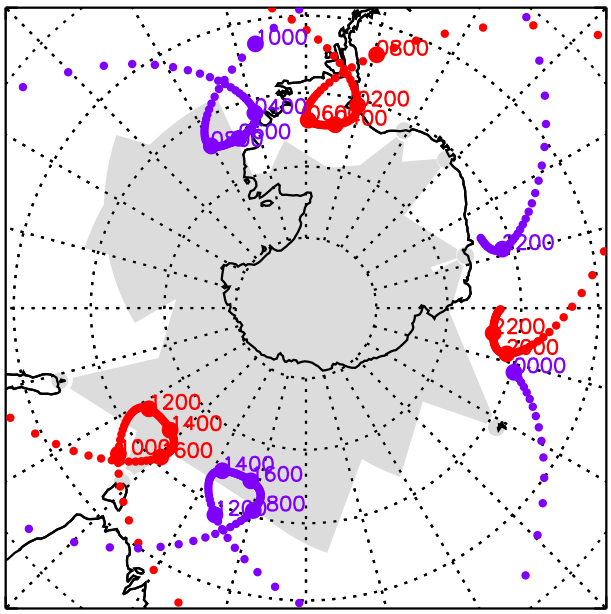

(c) 1745UT to 2250UT
pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

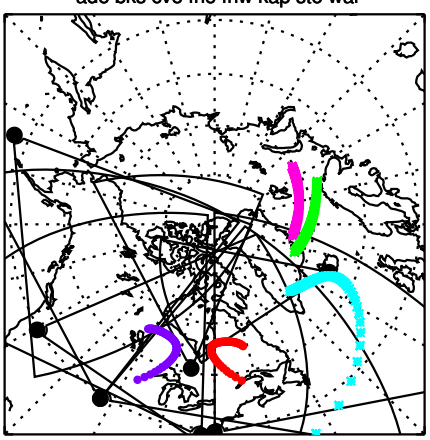
10–Apr–2013

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

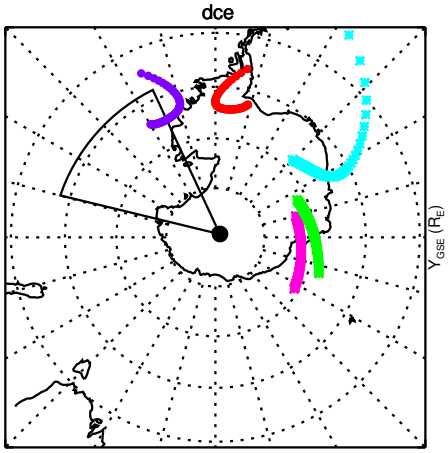


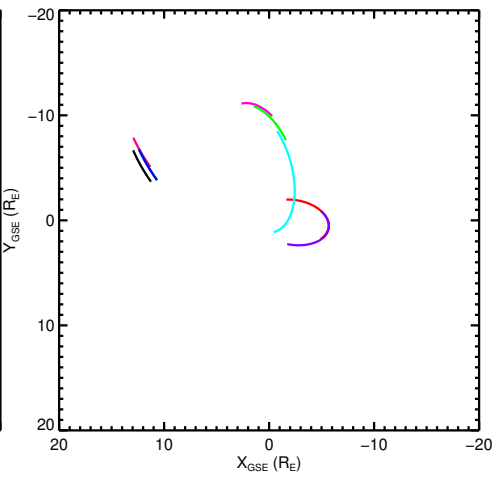


(a) 0245UT to 0750UT
ade bks cve fhe fhw kap sto wal

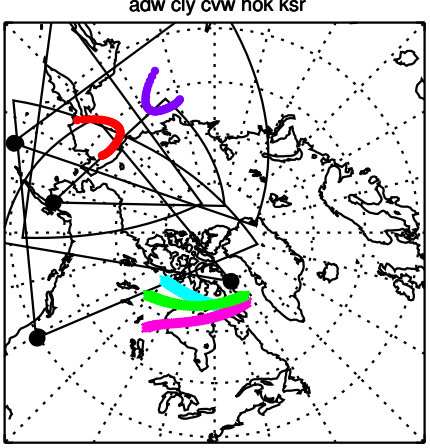


dce

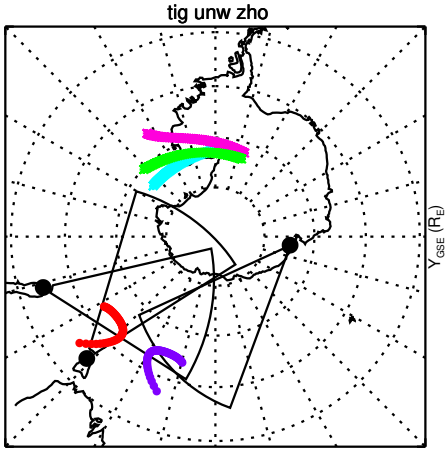


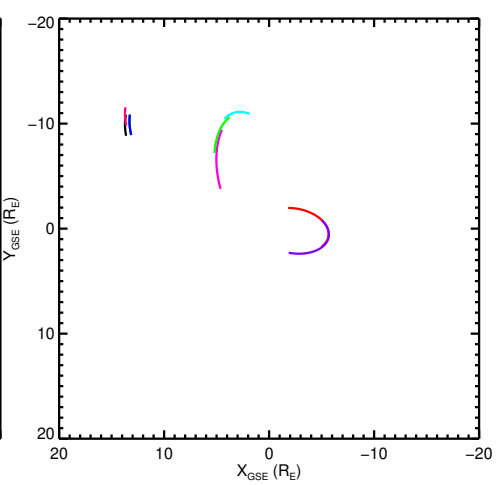


(b) 1150UT to 1645UT
adw cly cvw hok ksr

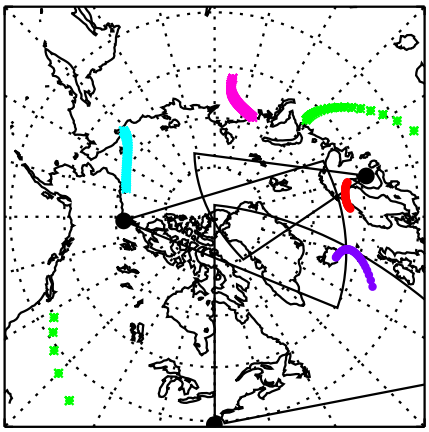


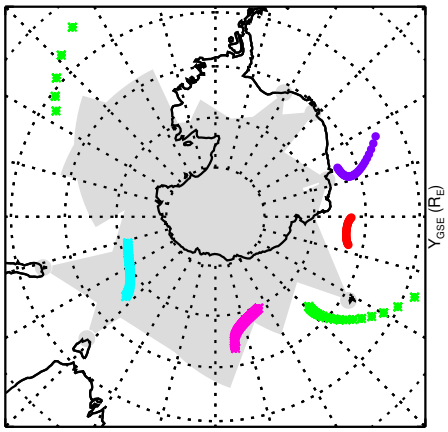
tig unw zho

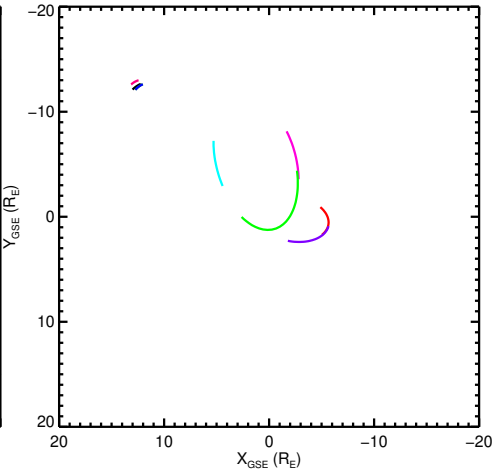




(c) 2050UT to 2355UT
han inv wal



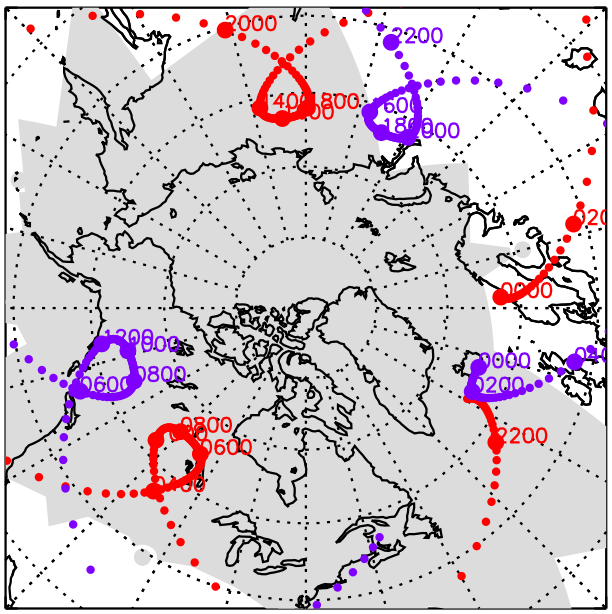


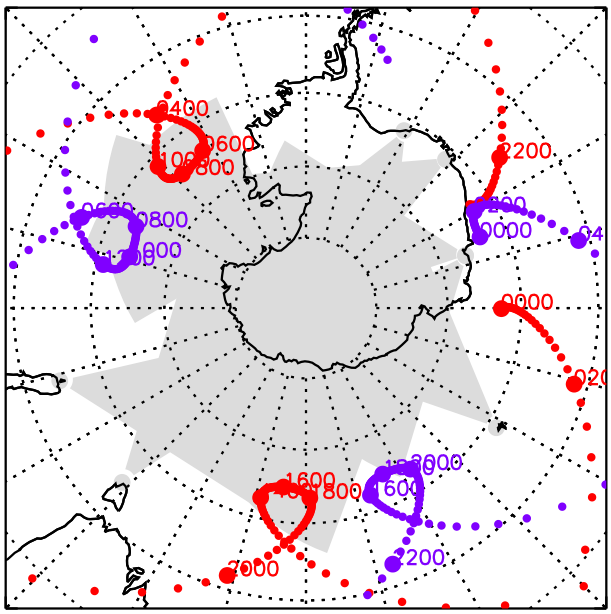


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

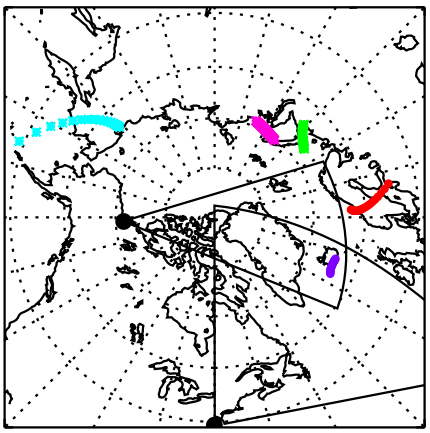
11–Apr–2013

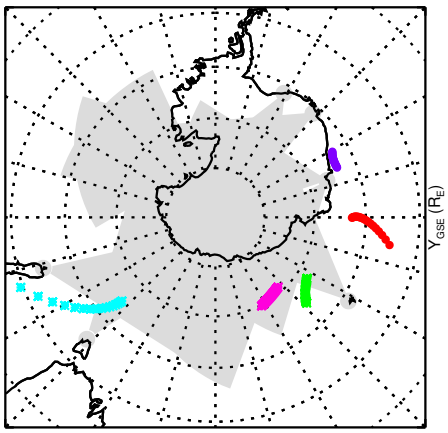
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

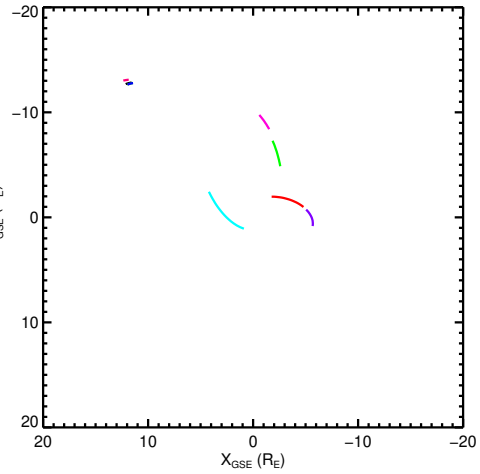




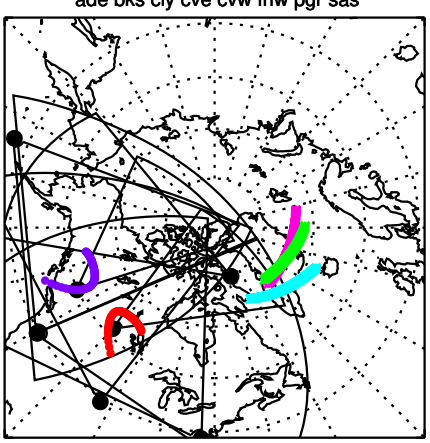
(a) 0000UT to 0145UT
inv wal



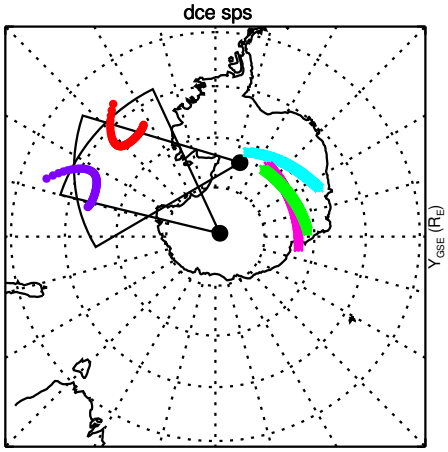


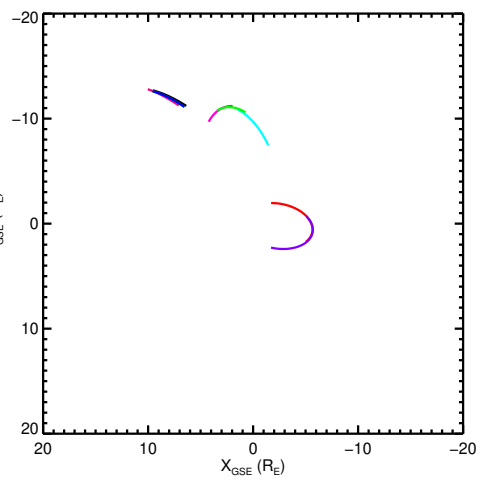


(b) 0550UT to 1045UT
ade bks cly cve cvw fhw pgr sas

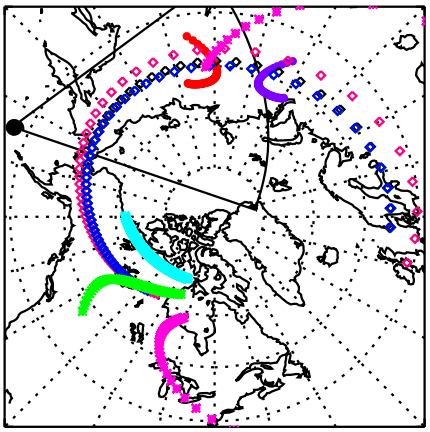


dce sps

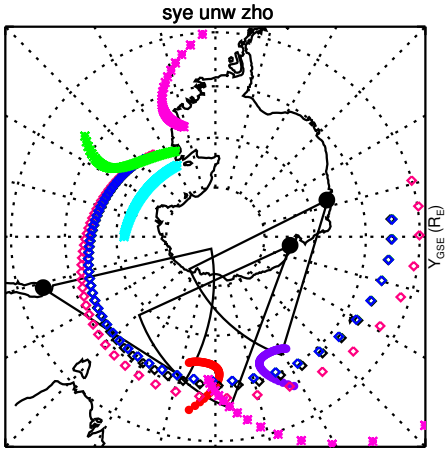


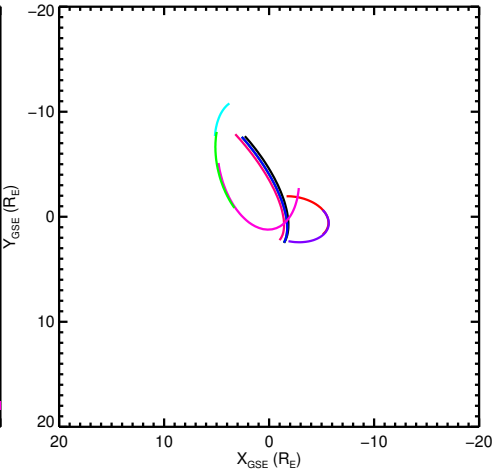


(c) 1455UT to 1945UT
adw

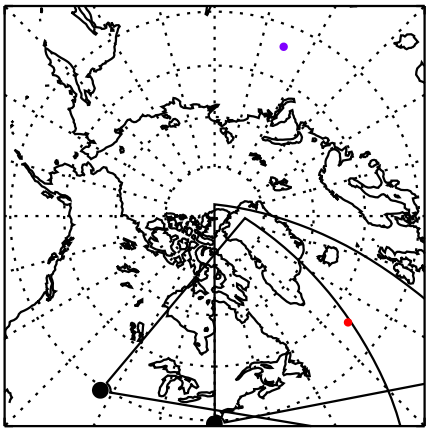


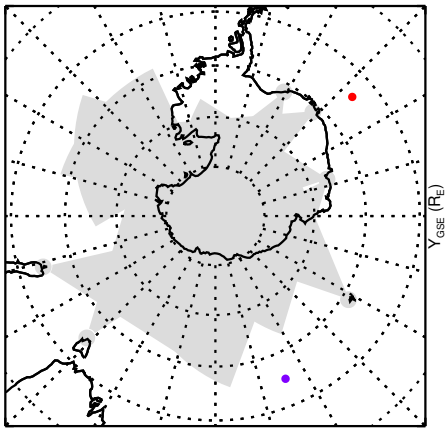
sye unw zho

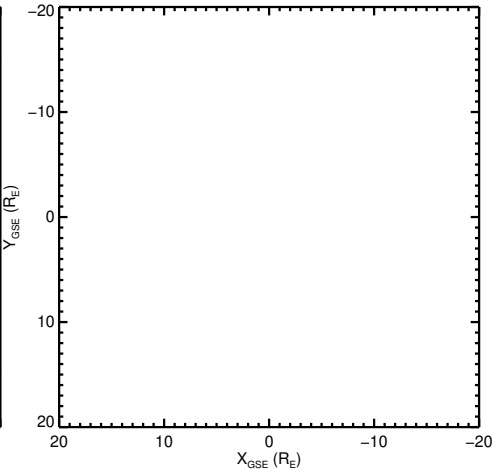




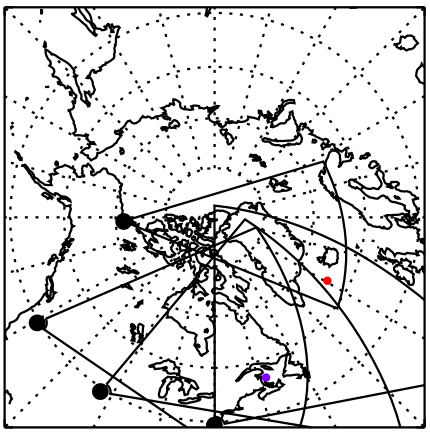
(d) 2150UT to 2150UT
fhe wal

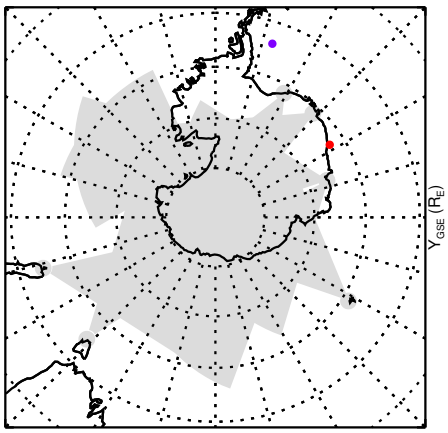


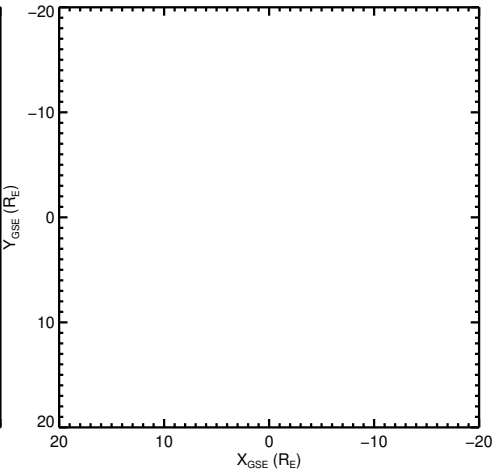




(e) 2355UT to 2355UT
cve fhe inv wal



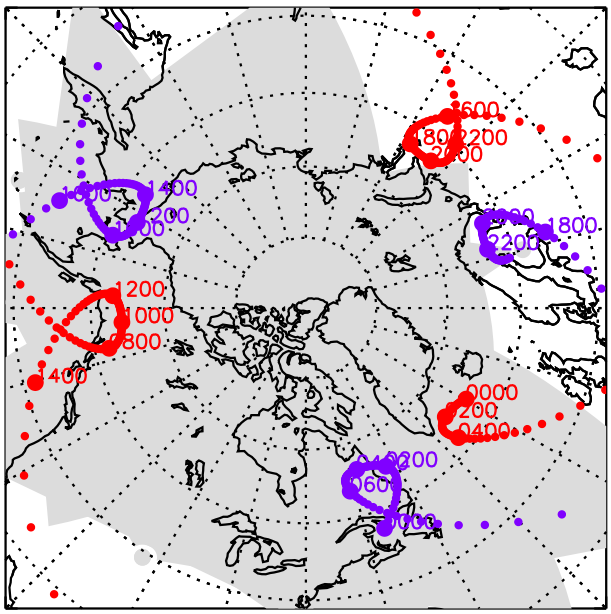


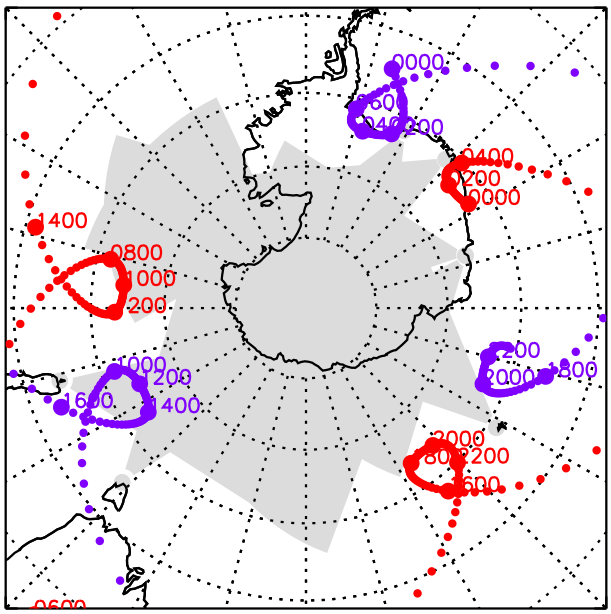


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

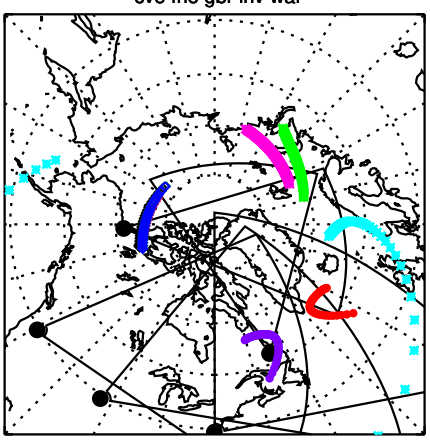
12–Apr–2013

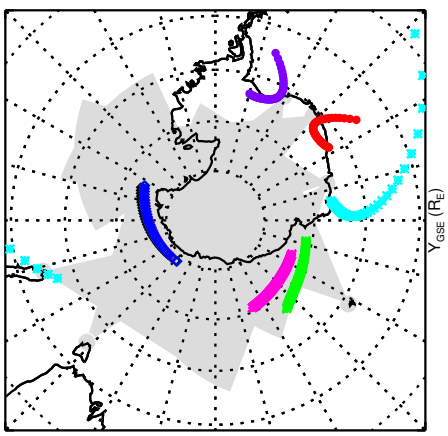
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

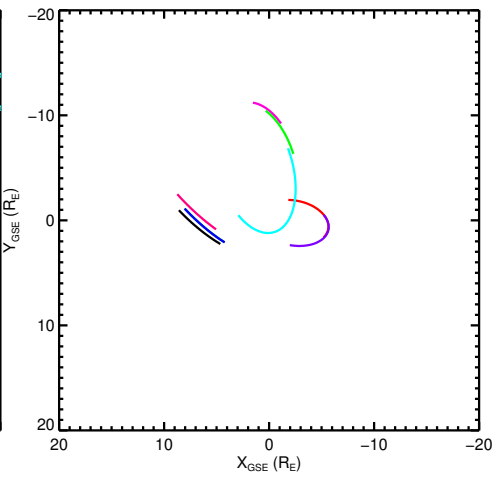




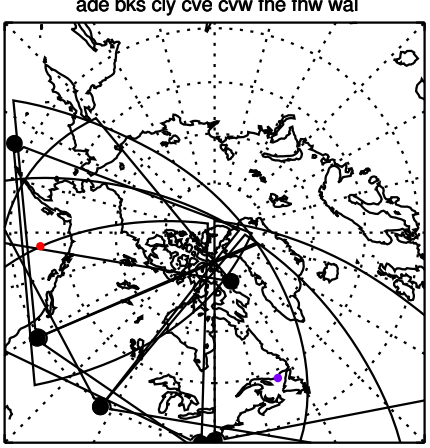
(a) 0000UT to 0440UT
cve fhe gbr inv wal

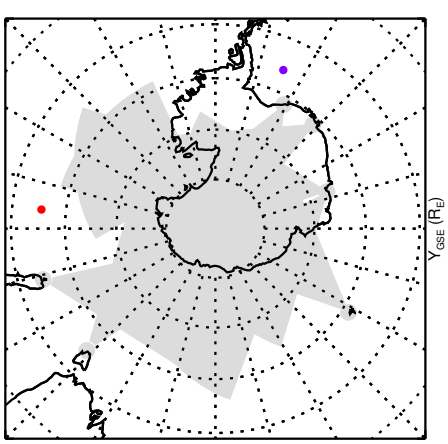


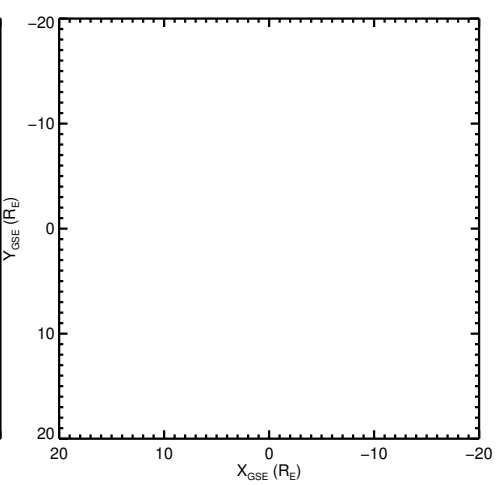




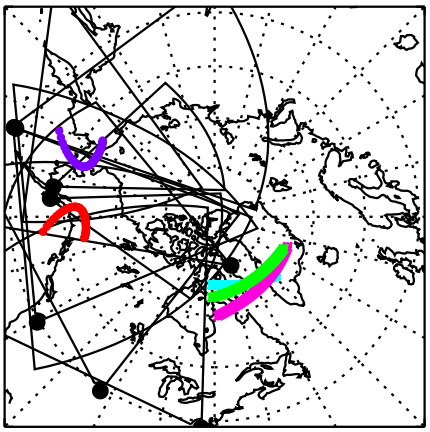
(b) 0650UT to 0650UT
ade bks cly cve cvw fhe fhw wal



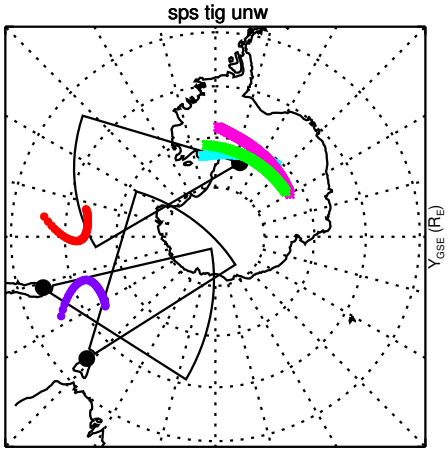


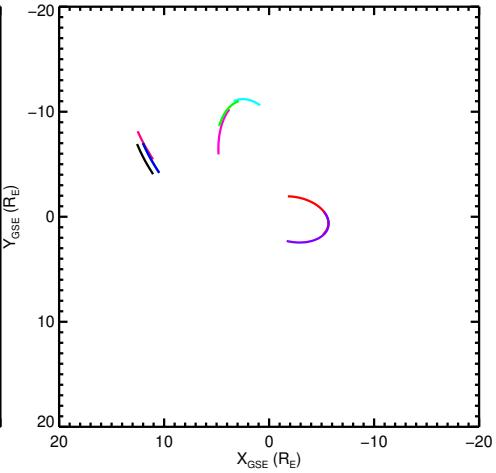


(c) 0855UT to 1340UT
ade adw bks cly cvw fhw hok kod ksr

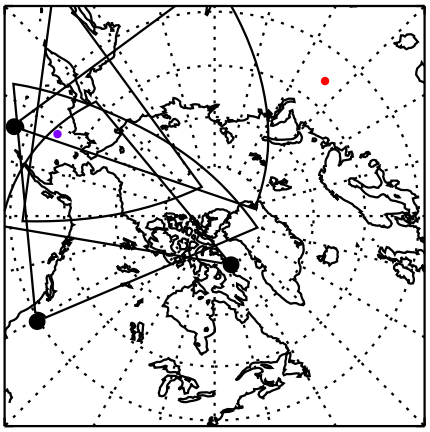


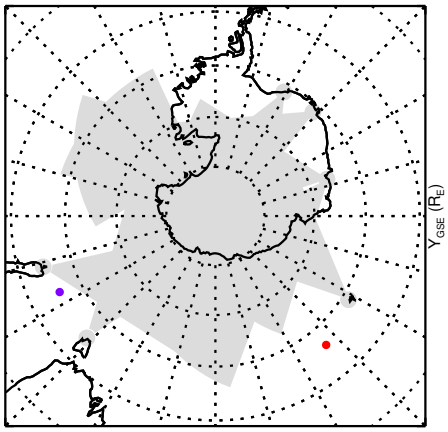
sps tig unw

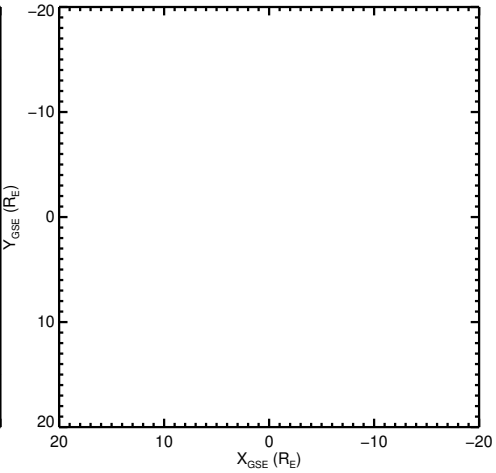




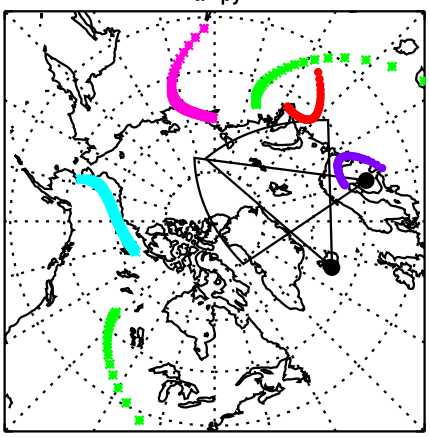
(d) 1550UT to 1550UT
adw cly cvw hok



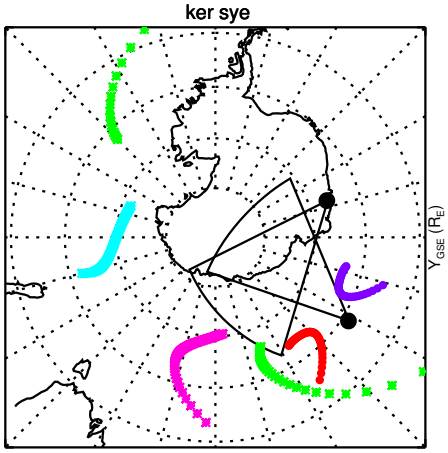


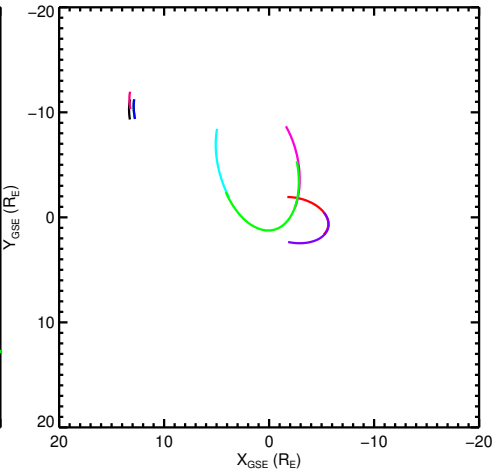


(e) 1800UT to 2240UT
han pyk



ker sye

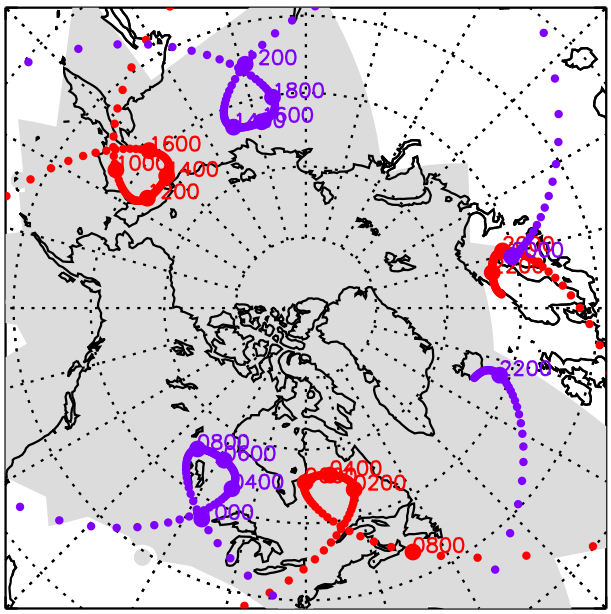


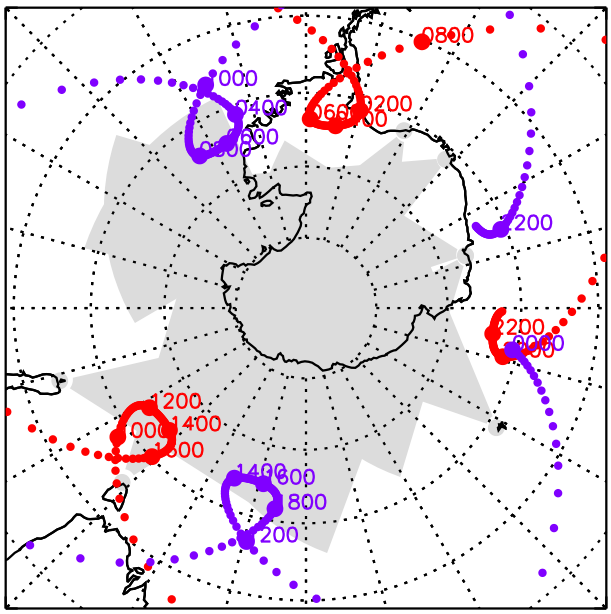


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

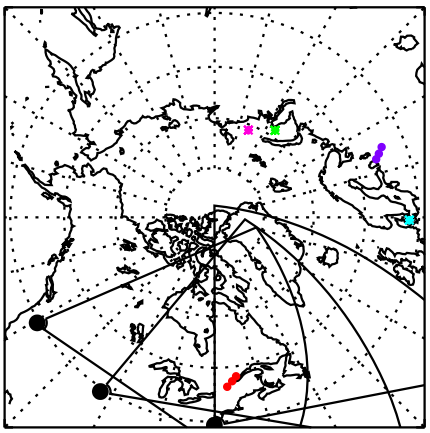
13–Apr–2013

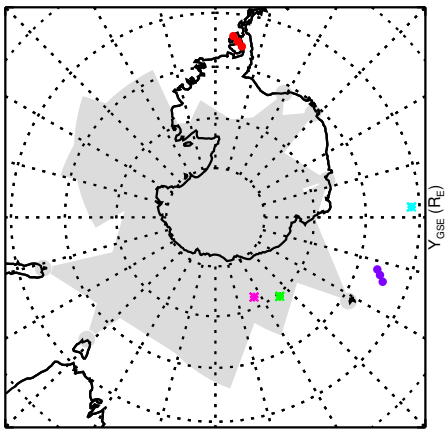
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

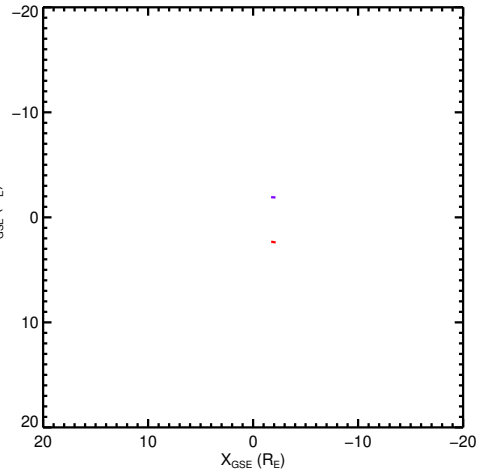




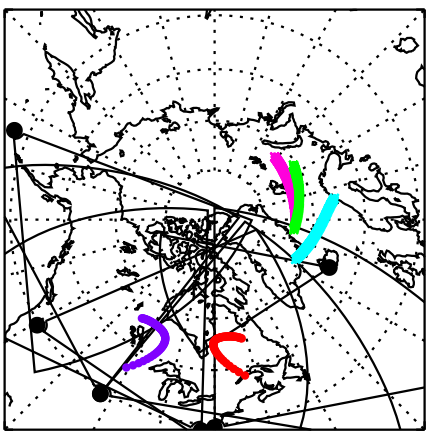
(a) 0045UT to 0055UT
cve fhe wal



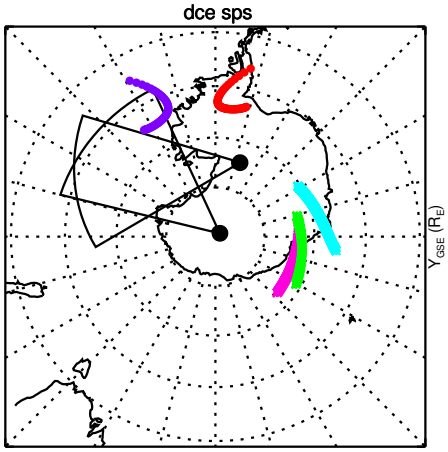


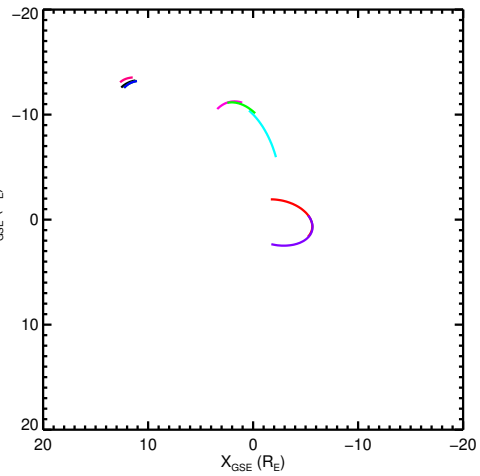


(b) 0300UT to 0740UT
ade bks cve fhe fhw sto wal



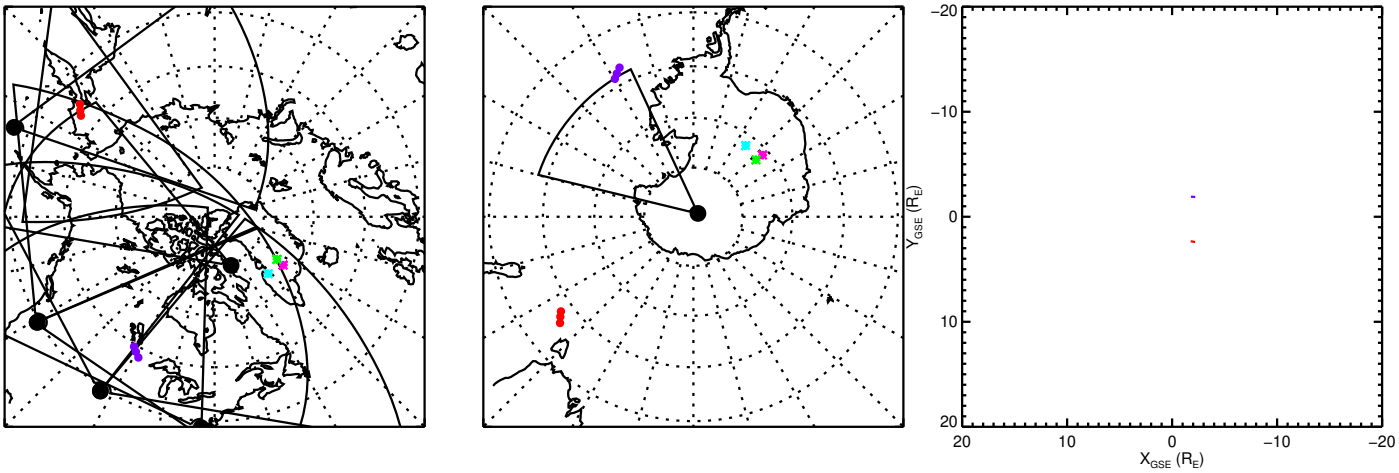
dce sps





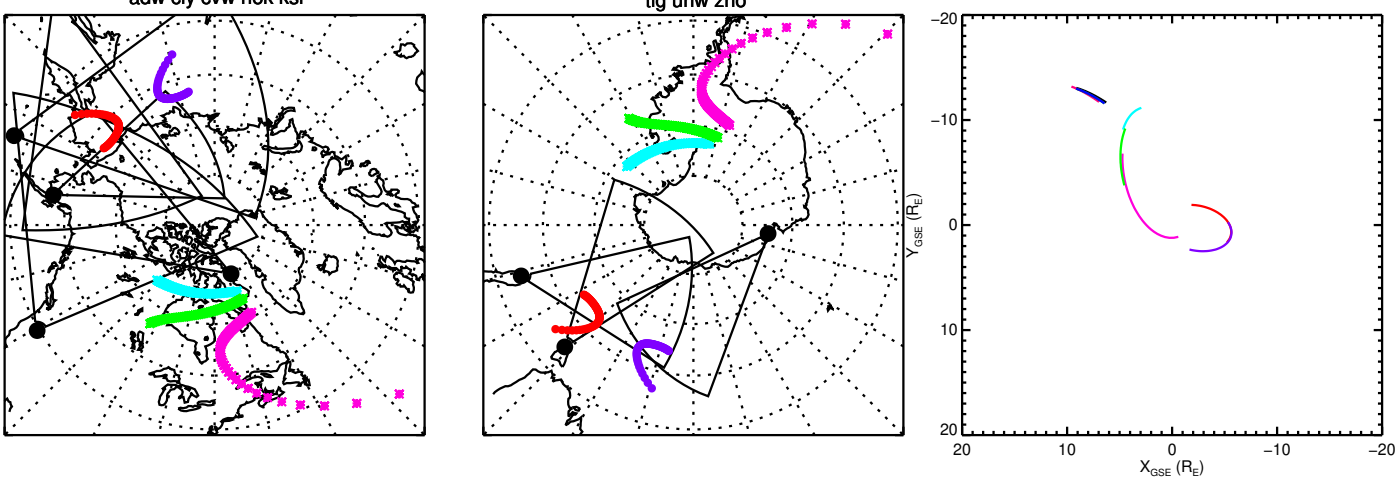
(c) 0945UT to 0955UT
adw bks cly cve cvw fhe fhw hok

dce

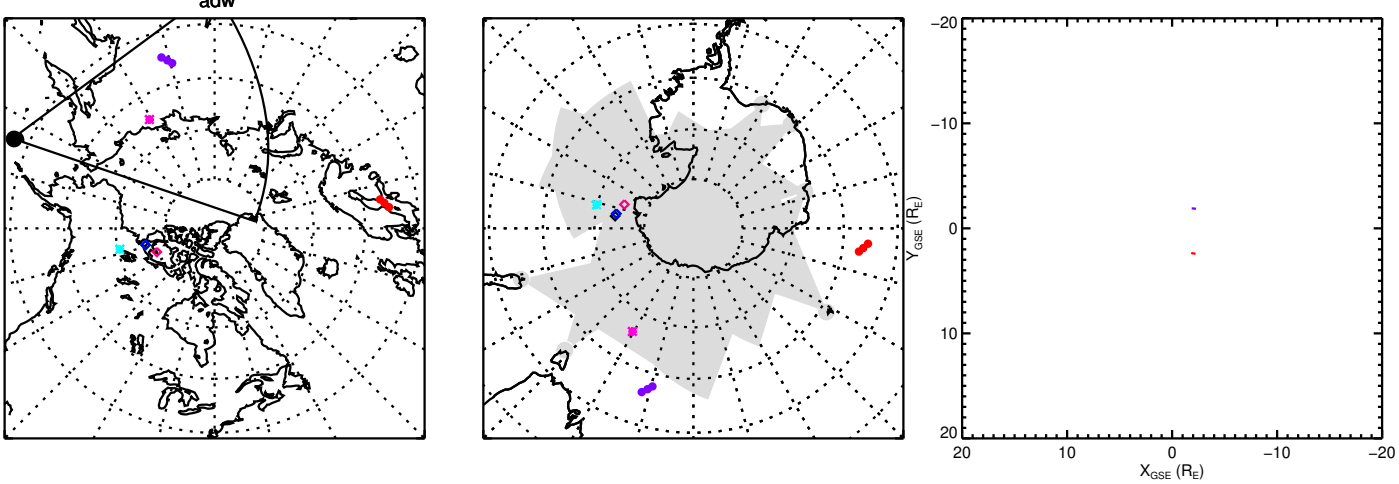


(d) 1200UT to 1635UT
adw cly cvw hok ksr

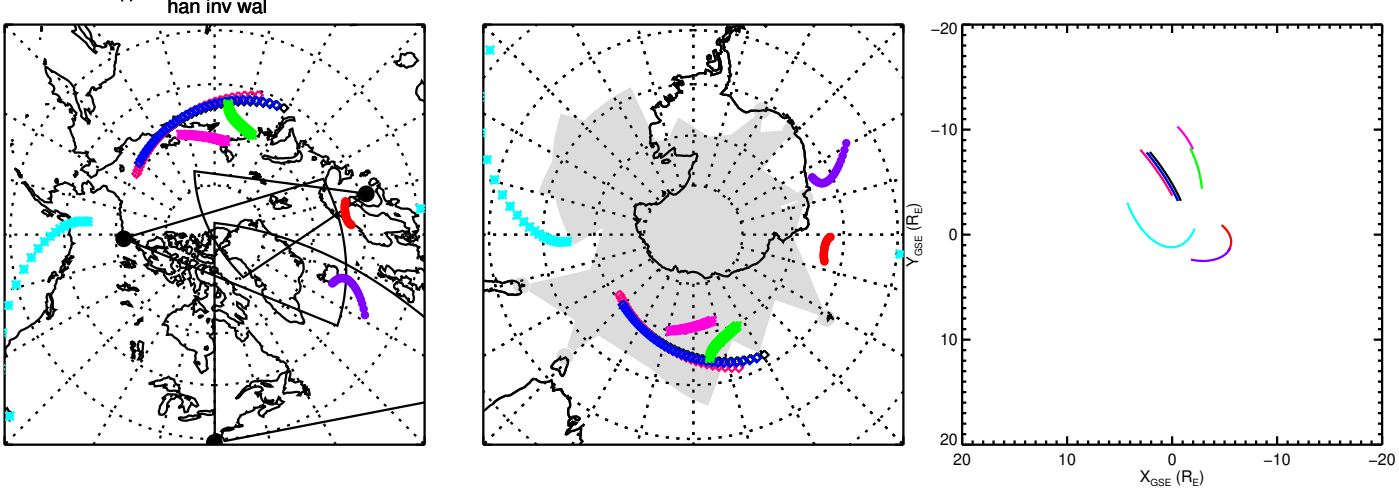
tig unw zho



(e) 1845UT to 1855UT
adw



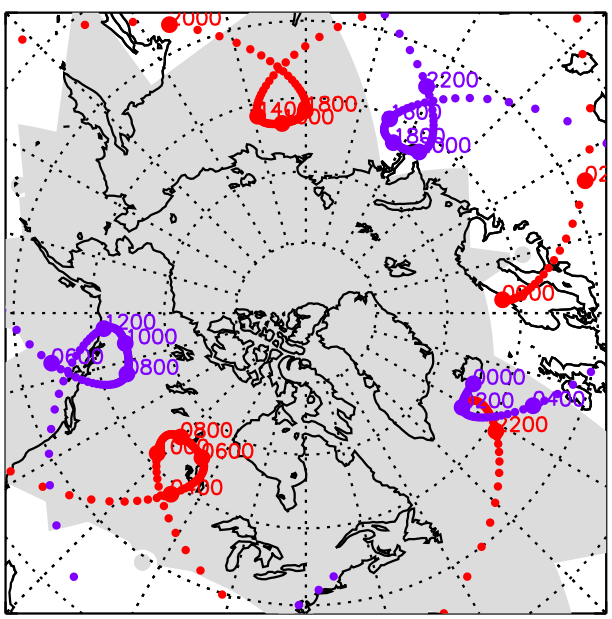
(f) 2105UT to 2355UT
han inv wal

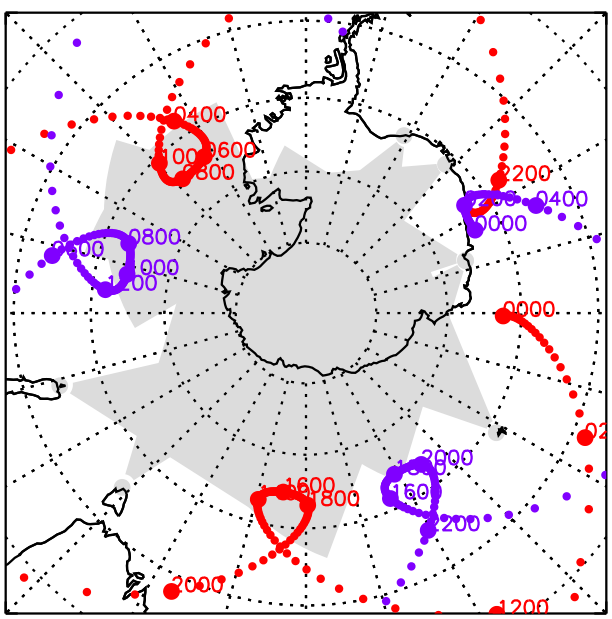


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

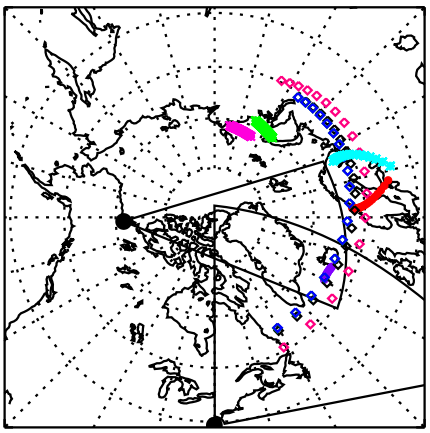
14–Apr–2013

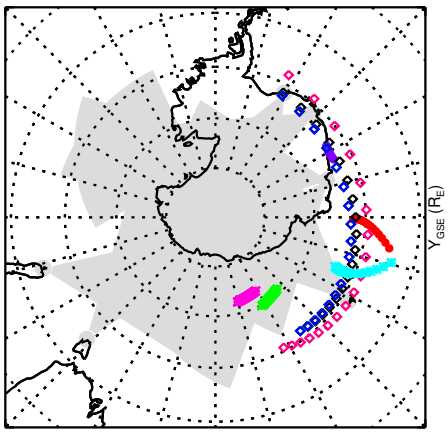
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

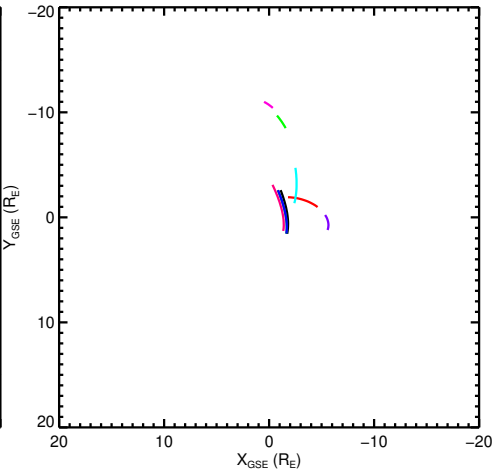




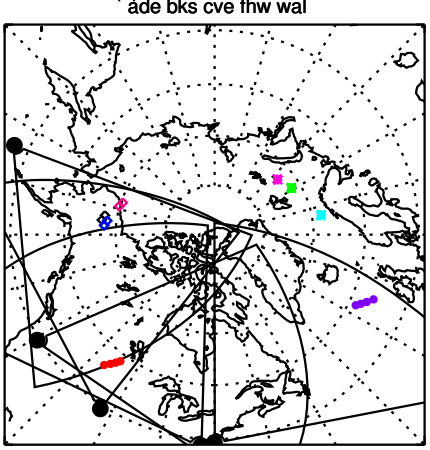
(a) 0000UT to 0135UT
inv wal

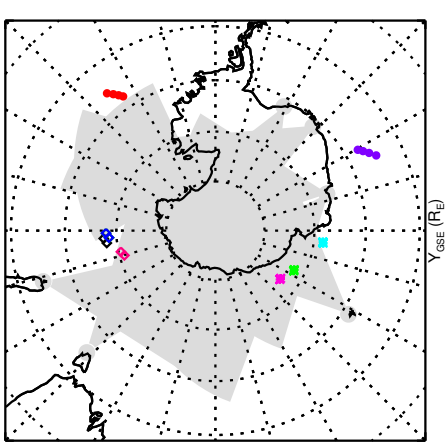


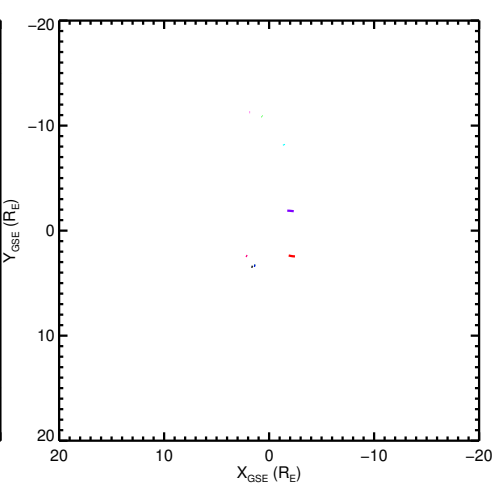




(b) 0345UT to 0400UT
ade bks cve fhw wal

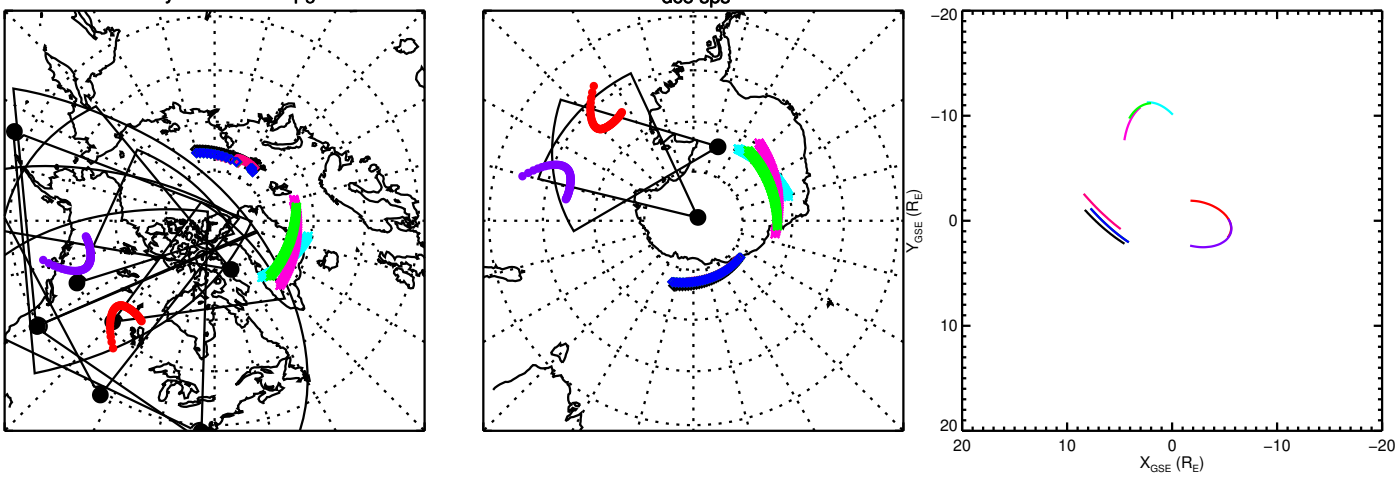




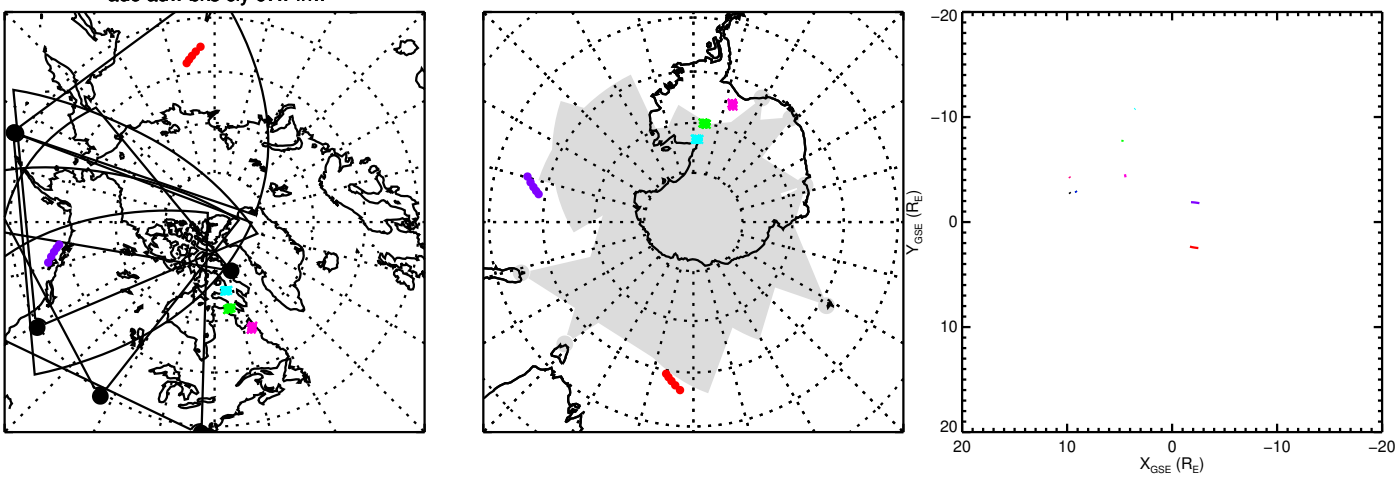


(c) 0605UT to 1035UT
ade bks cly cve cvw fhw pgr sas

dce sps

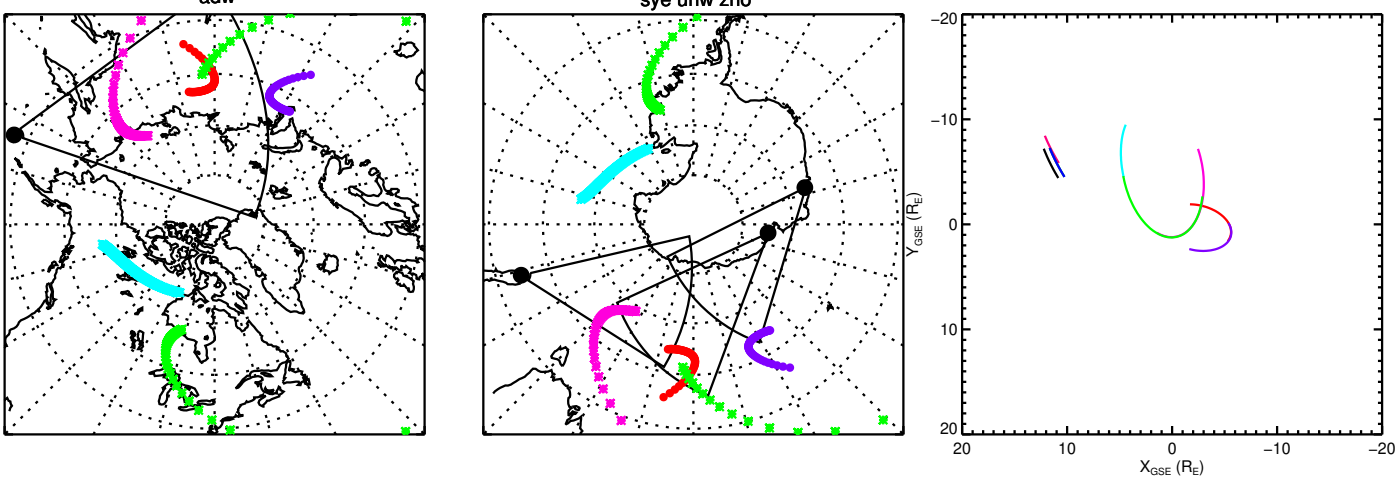


(d) 1240UT to 1300UT
ade adw bks cly cvw fhw

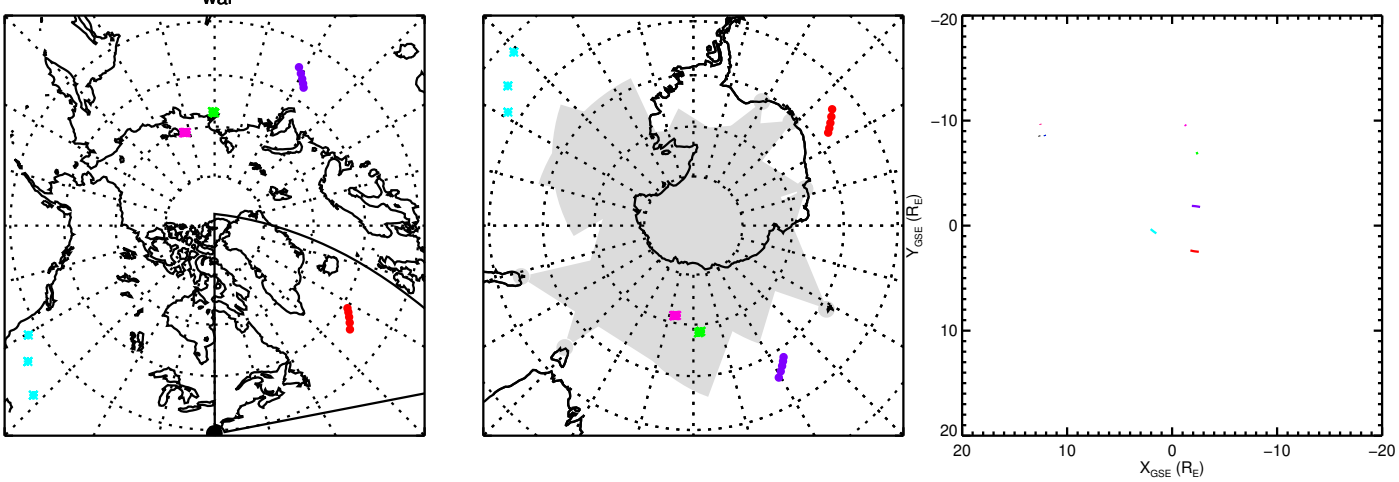


(e) 1505UT to 1935UT
adw

sye unw zho



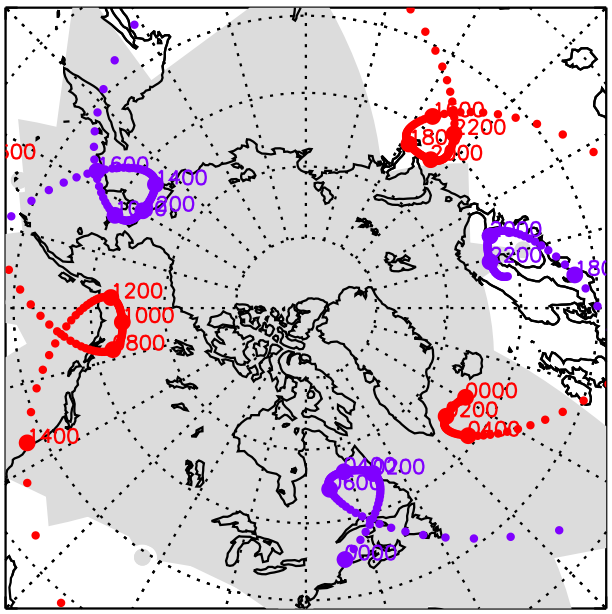
(f) 2140UT to 2200UT
wal

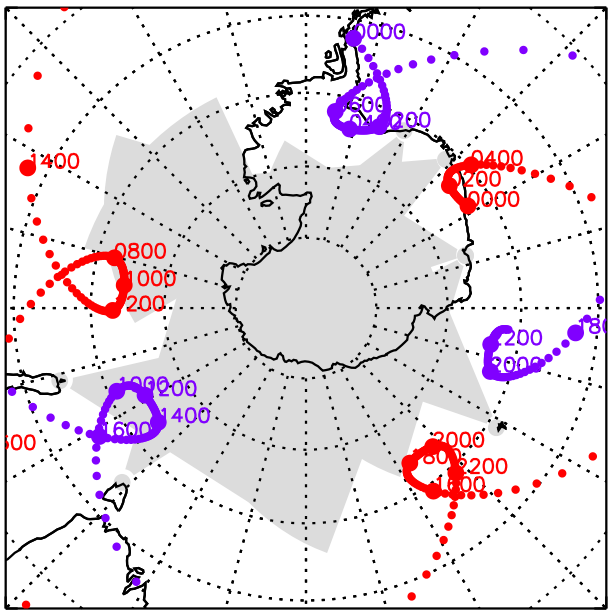


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

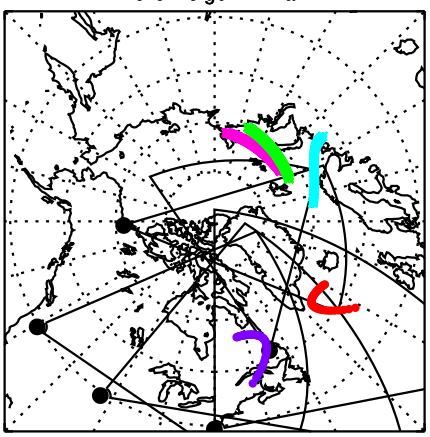
15–Apr–2013

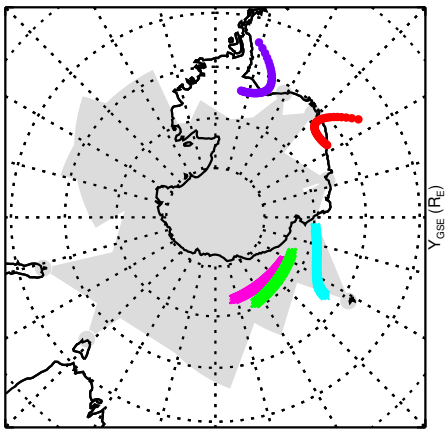
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

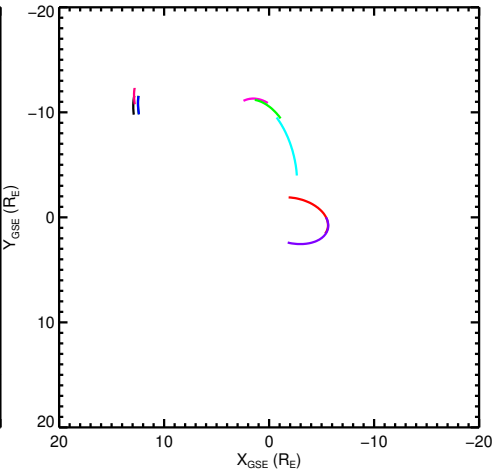




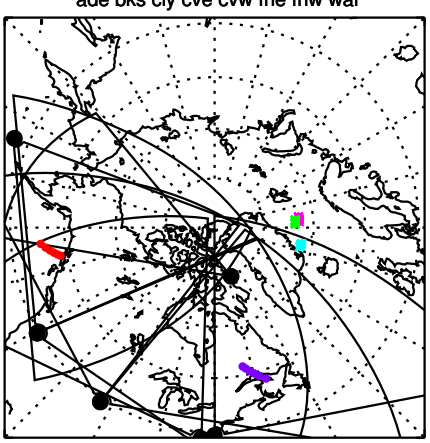
(a) 0010UT to 0430UT
cve fhe gbr inv wal

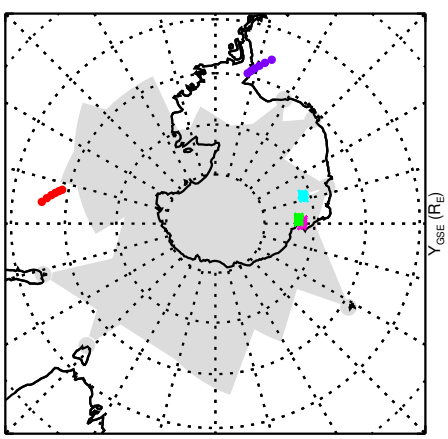


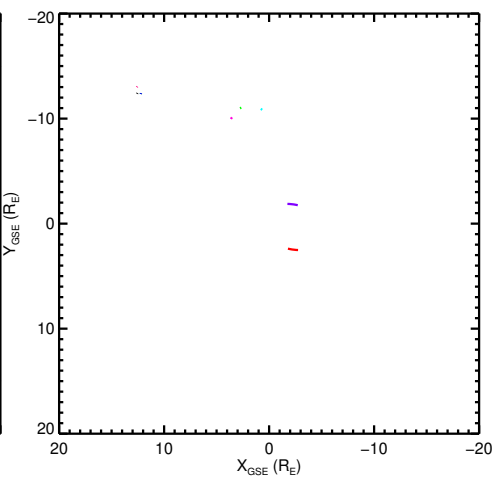




(b) 0640UT to 0705UT
ade bks cly cve cvw fhe fhw wal

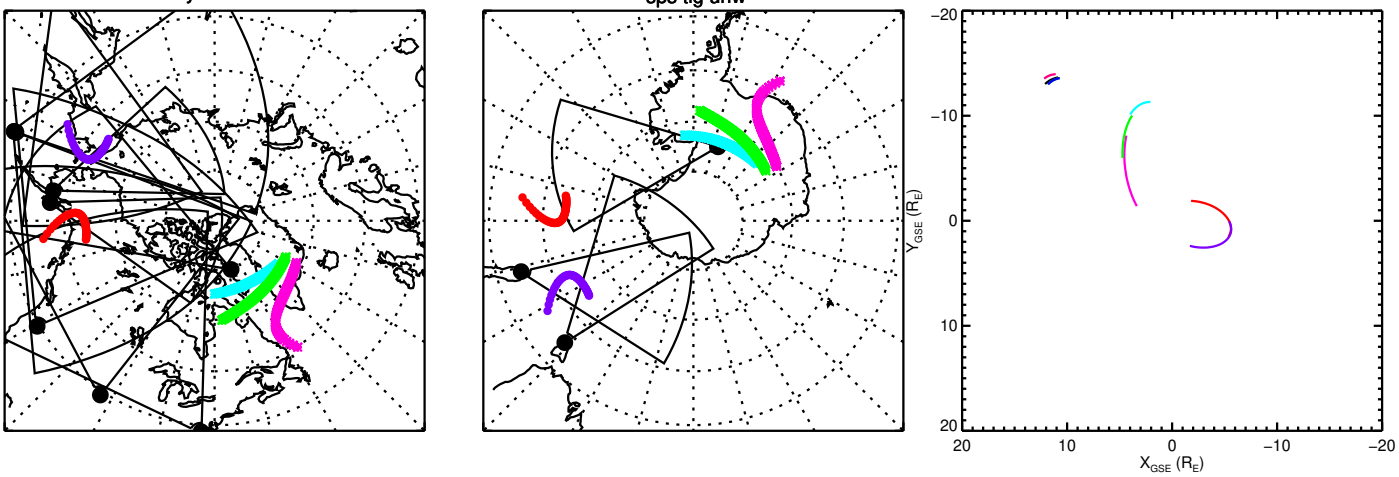




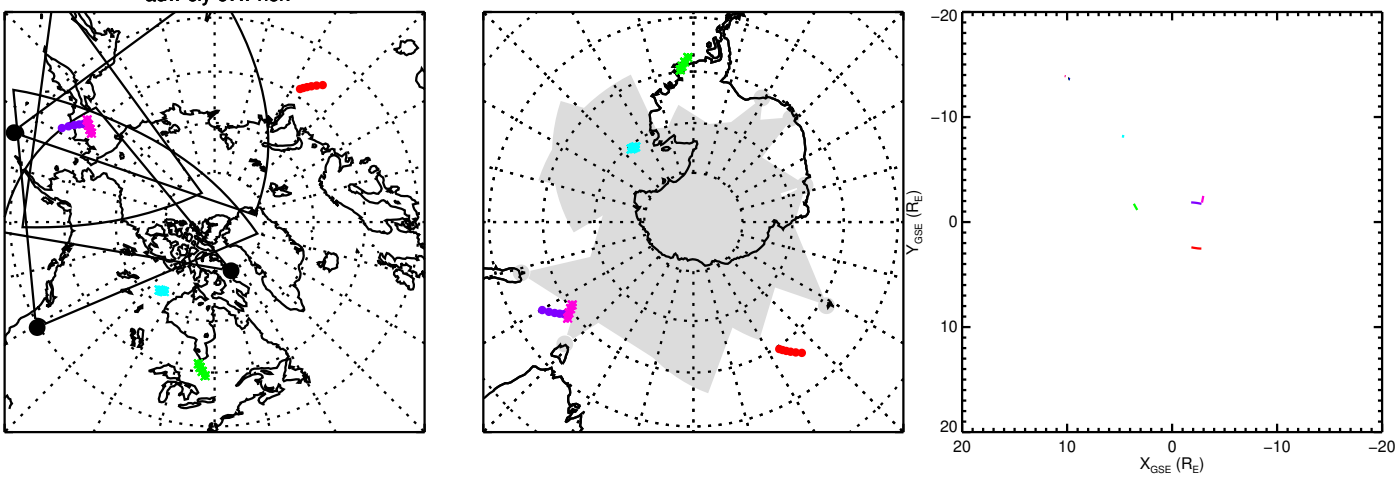


(c) 0910UT to 1330UT
ade adw bks cly cvw fhw hok kod ksr

sps tig unw

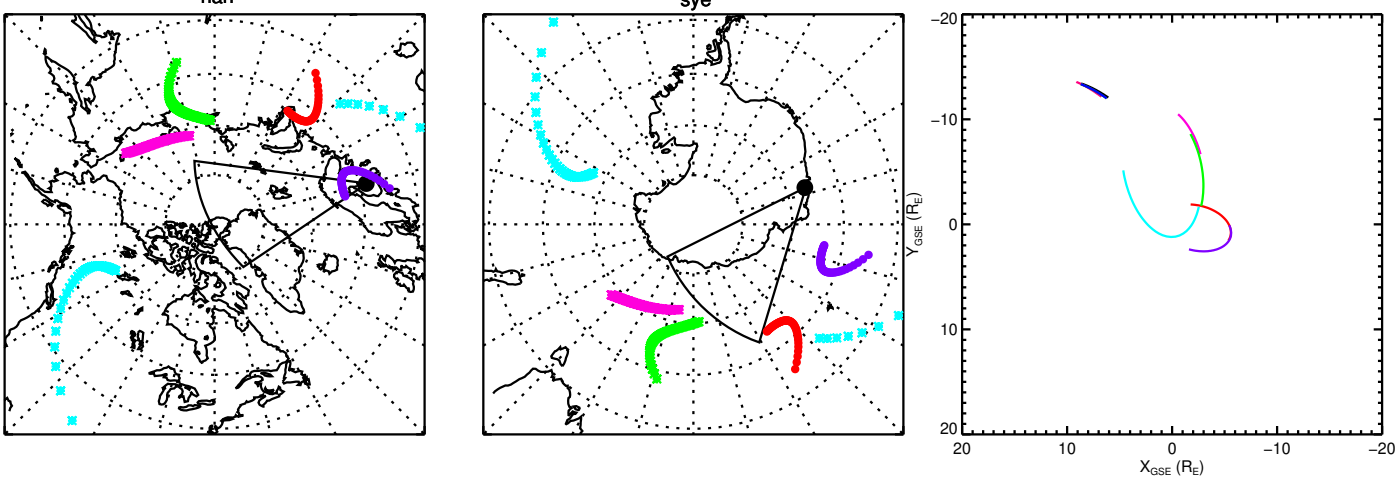


(d) 1540UT to 1605UT
adw cly cvw hok



(e) 1810UT to 2230UT
han

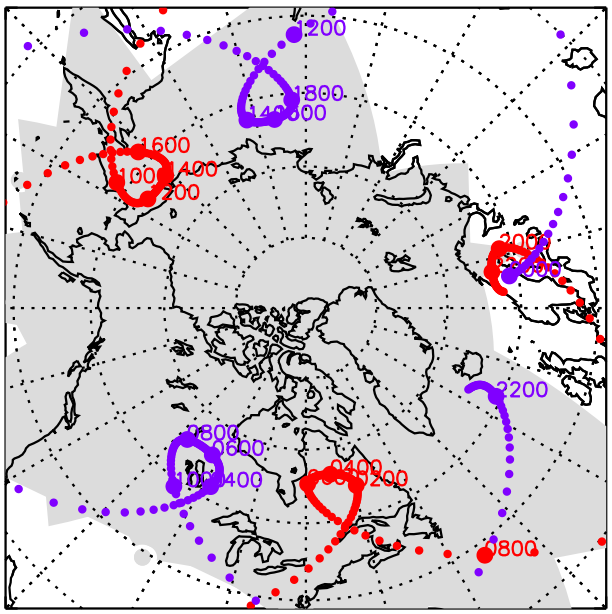
sye

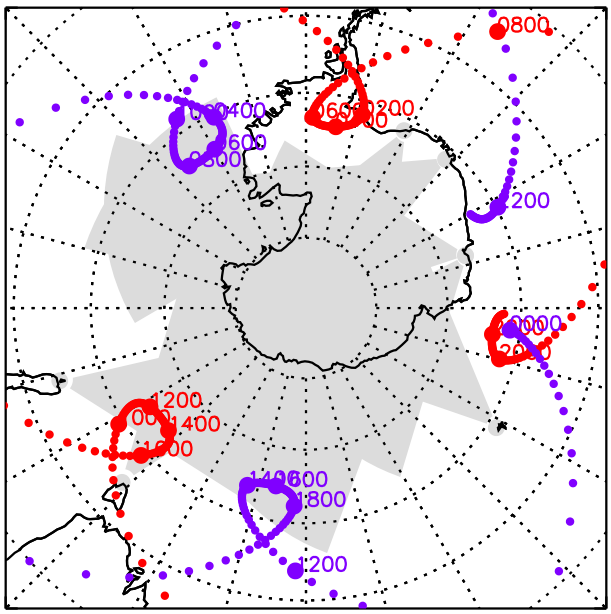


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

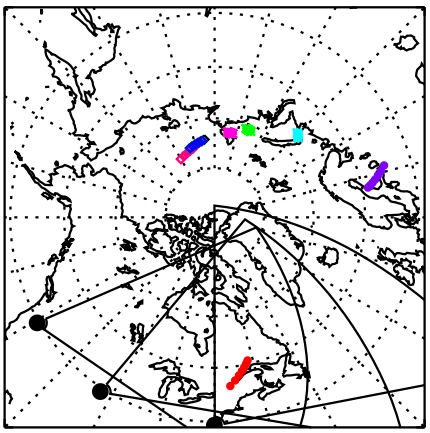
16–Apr–2013

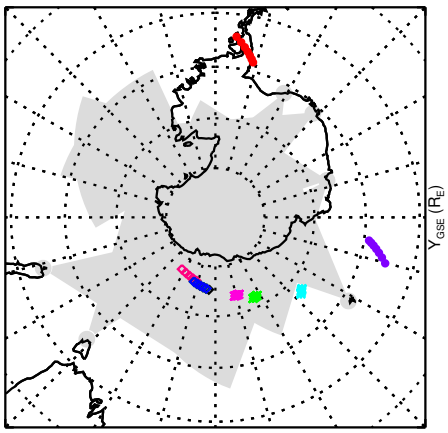
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

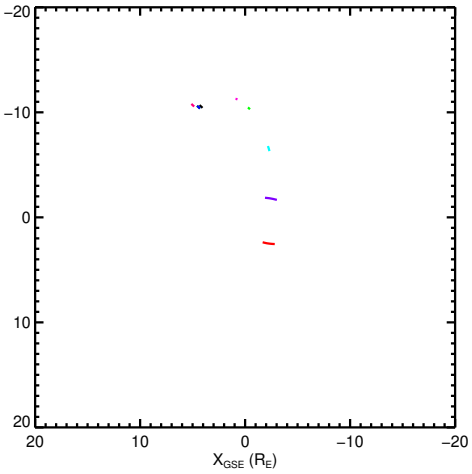




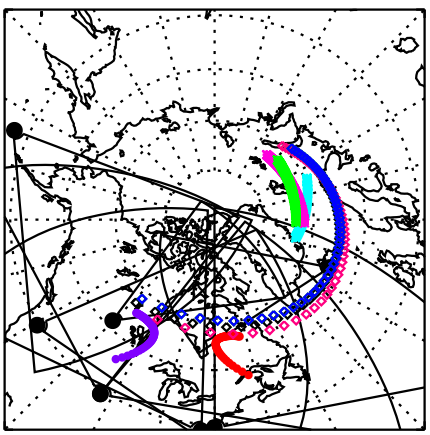
(a) 0035UT to 0105UT
cve fhe wal



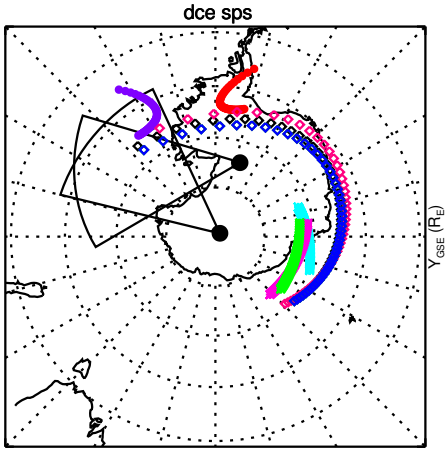


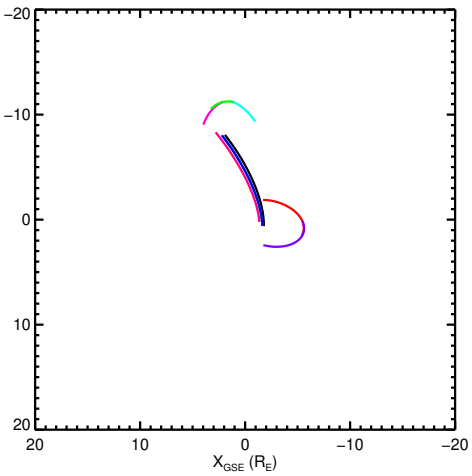


(b) 0315UT to 0730UT
ade bks cve fhe fhw sas sto wal



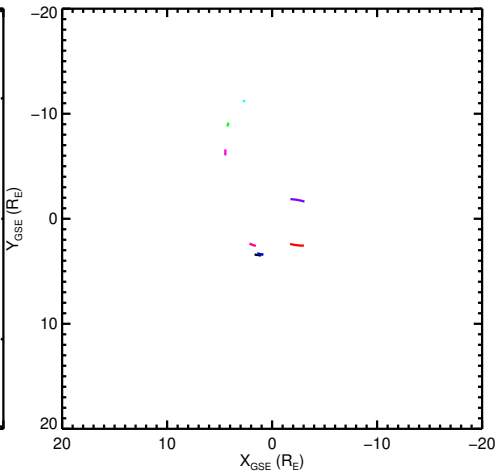
dce sps





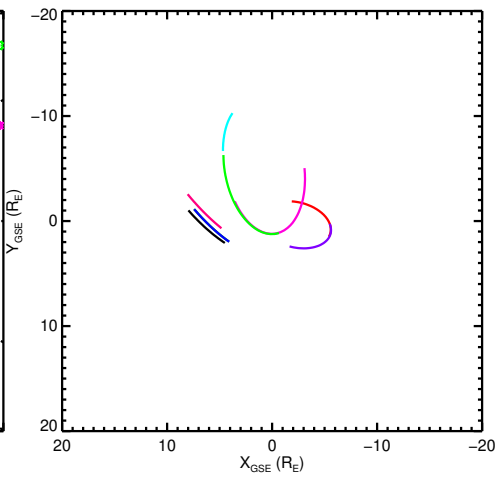
(c) 0935UT to 1010UT
ade adw bks cly cve cvw fhw hok

dce sps unw



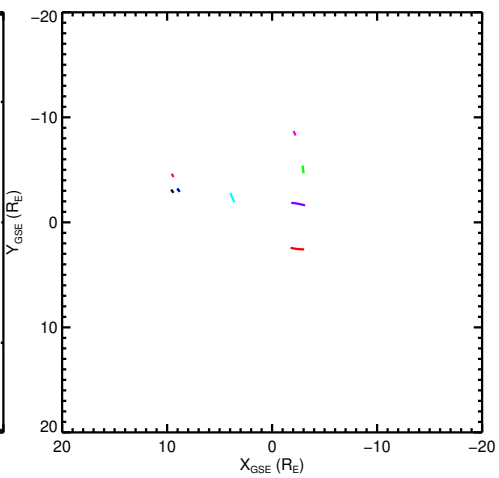
(d) 1215UT to 1625UT
adw cly cvw hok ksr

tig unw zho

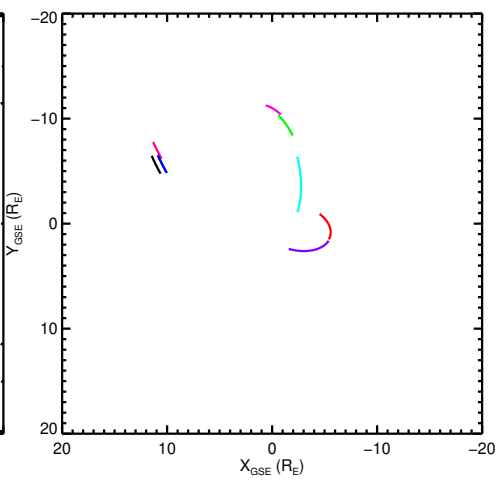


(e) 1835UT to 1910UT
adw

zho



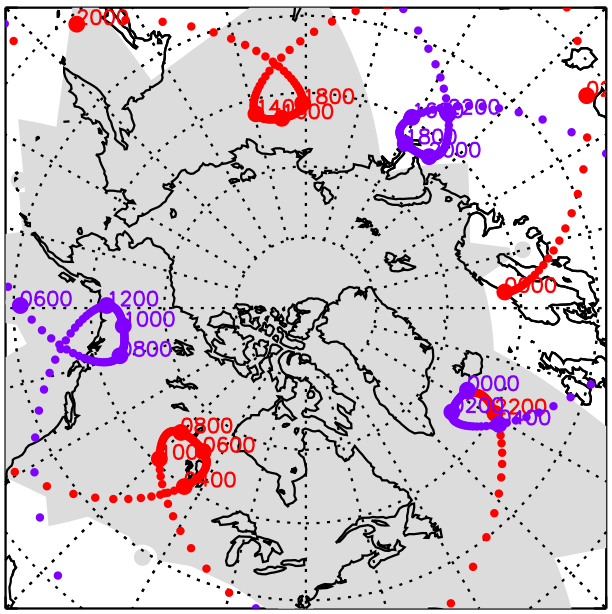
(f) 2115UT to 2355UT
han inv wal

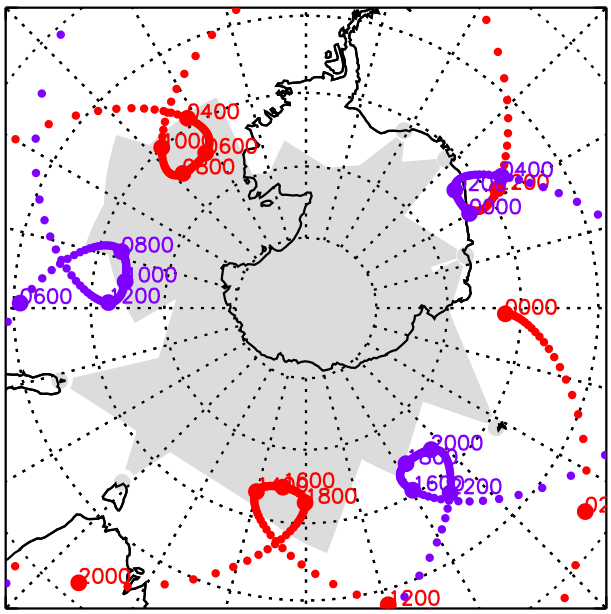


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

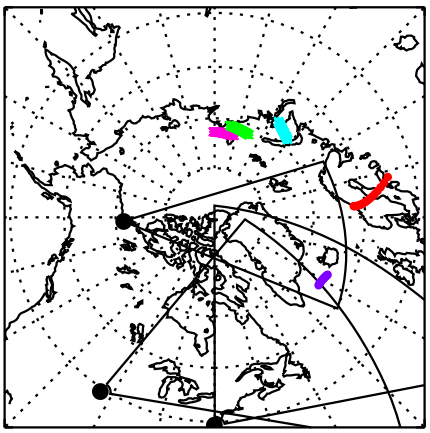
17−Apr−2013

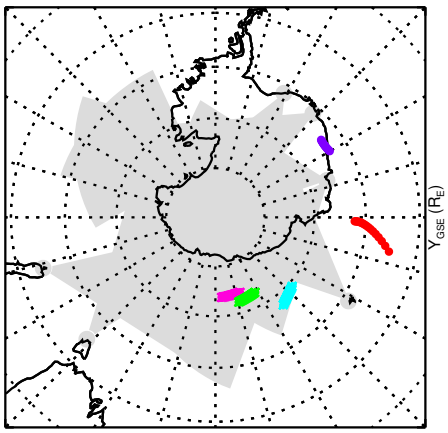
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

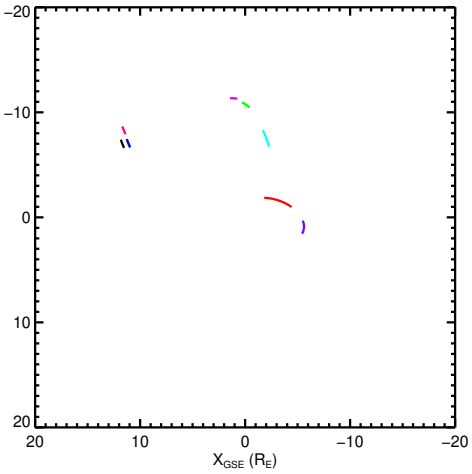




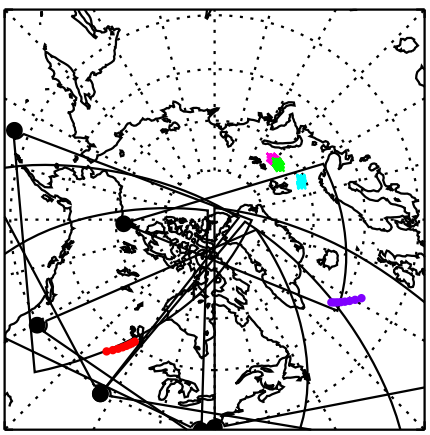
(a) 0000UT to 0125UT
fhe inv wal



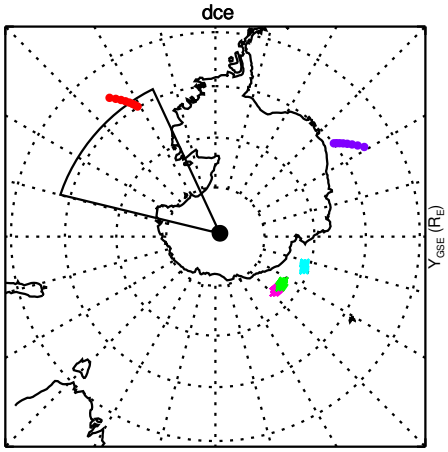


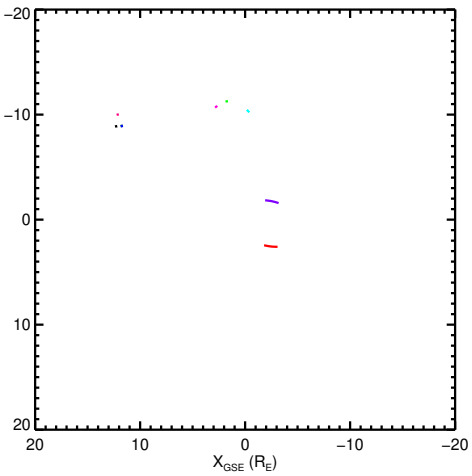


(b) 0335UT to 0410UT
ade bks cve fhe fhw inv wal

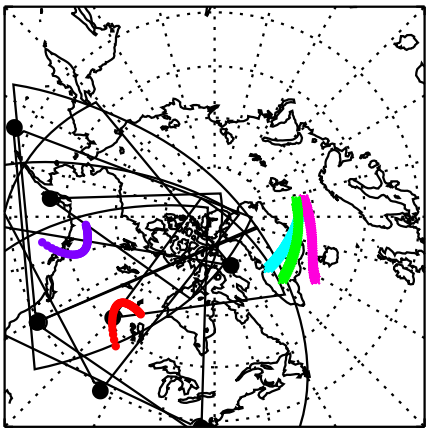


dce

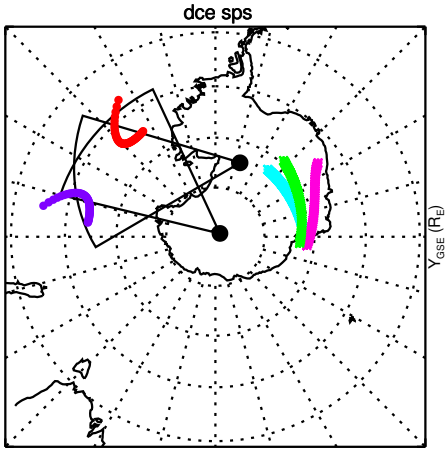


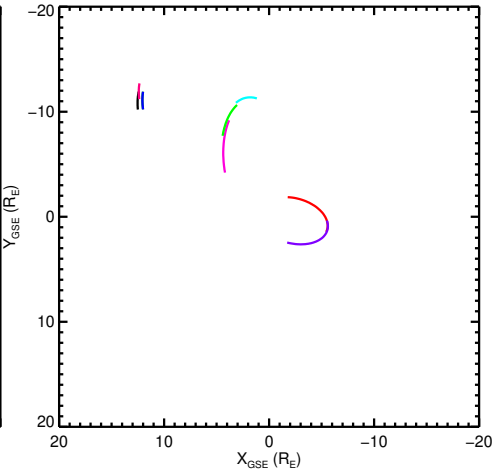


(c) 0620UT to 1025UT
ade bks cly cve cvw fhw kod sas

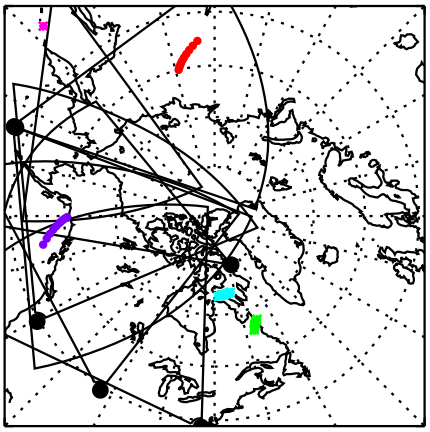


dce sps

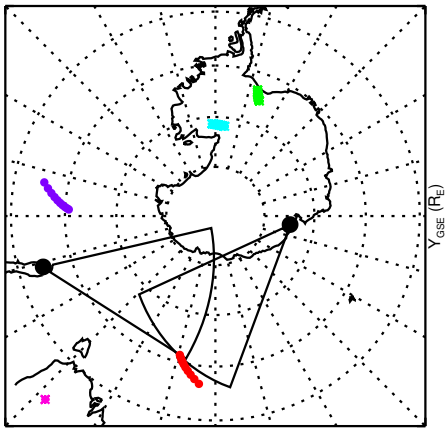


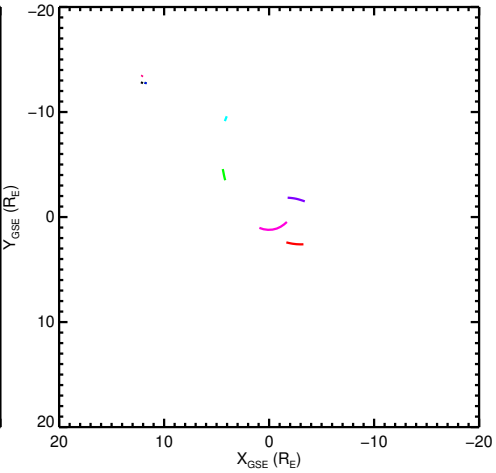


(d) 1230UT to 1315UT
ade adw bks cly cvw fhw hok

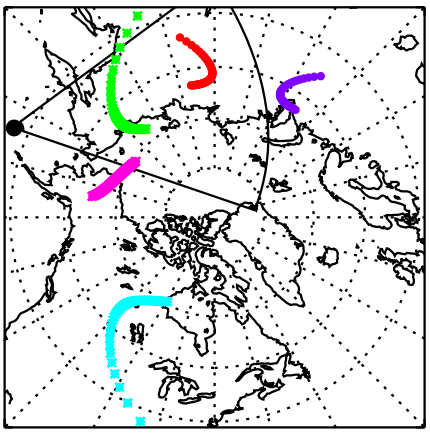


unw zho

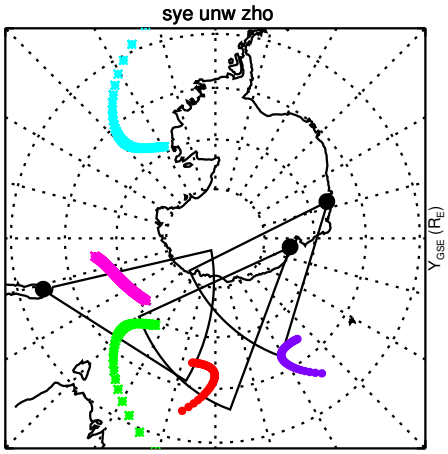


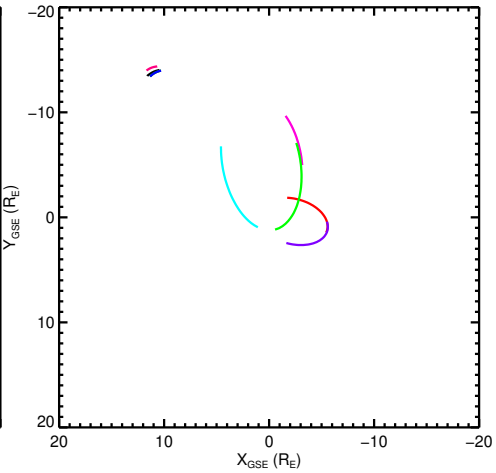


(e) 1520UT to 1925UT
adw

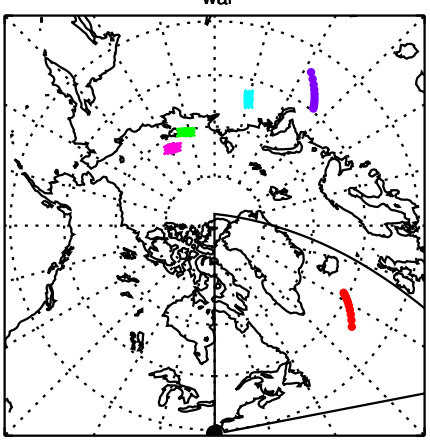


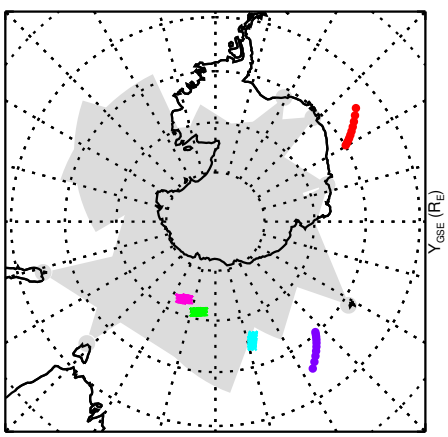
sye unw zho

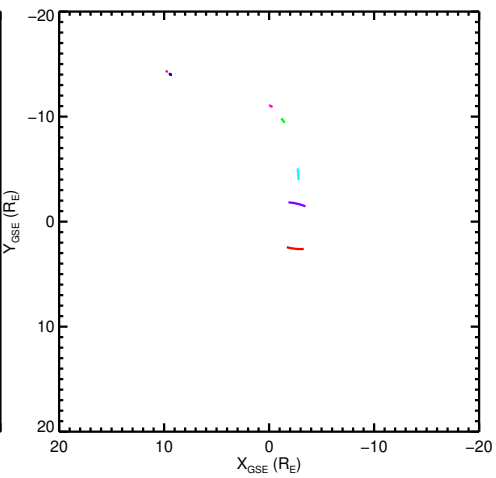




(f) 2130UT to 2215UT
wal



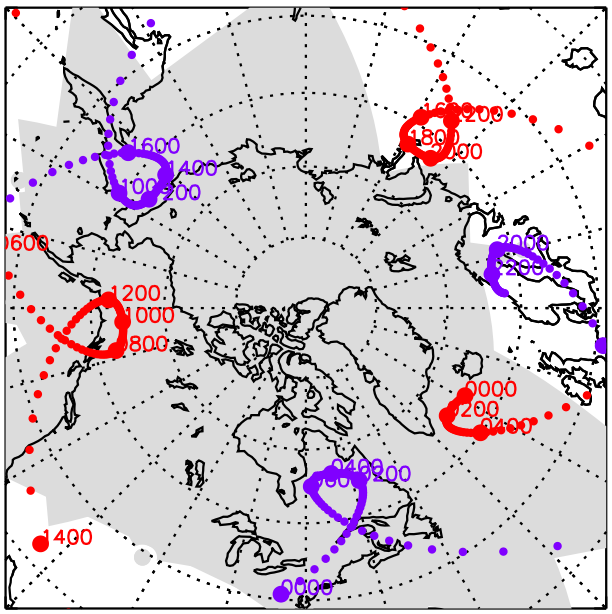


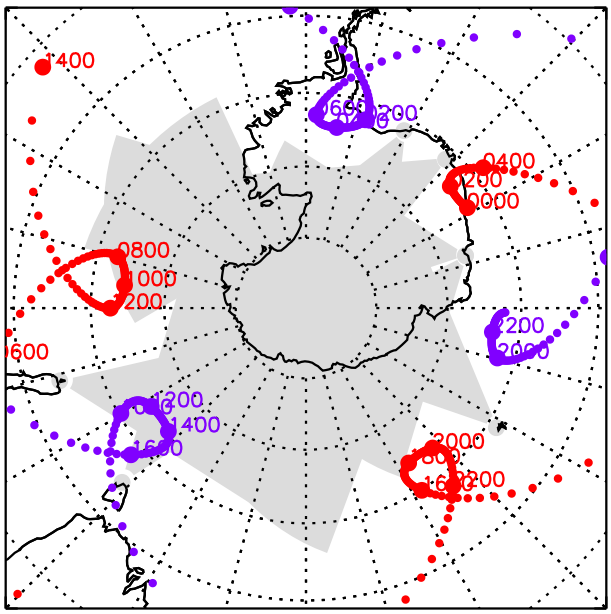


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

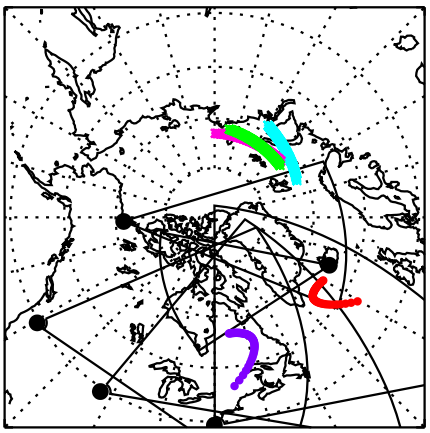
18–Apr–2013

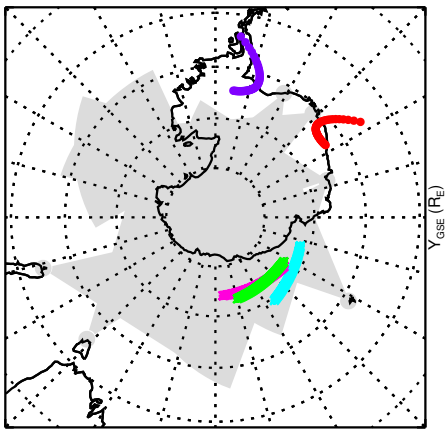
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

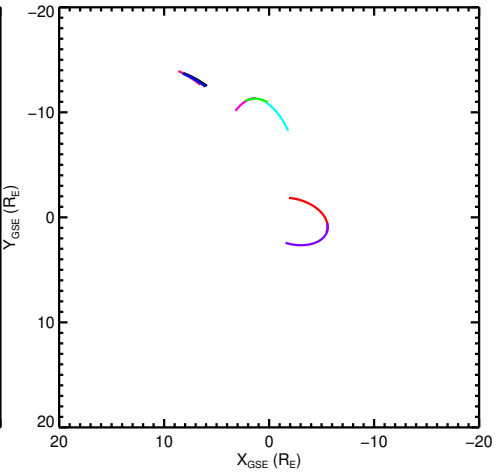




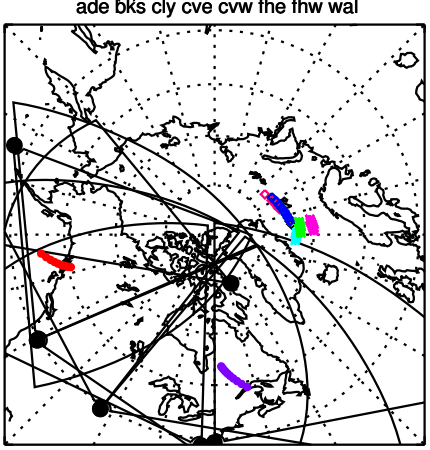
(a) 0020UT to 0420UT
cve fhe inv sto wal



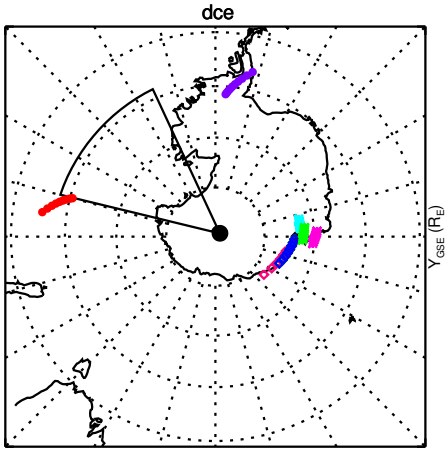


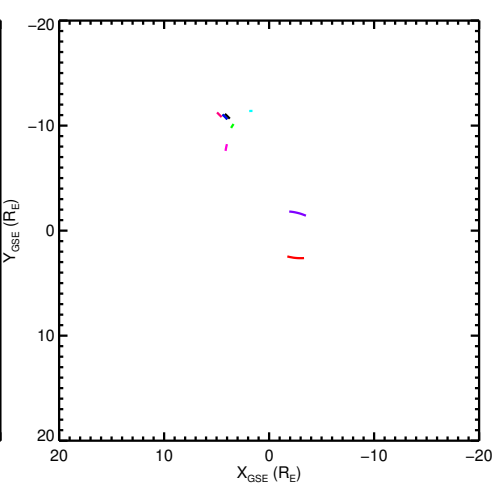


(b) 0630UT to 0715UT
ade bks cly cve cvw fhe fhw wal

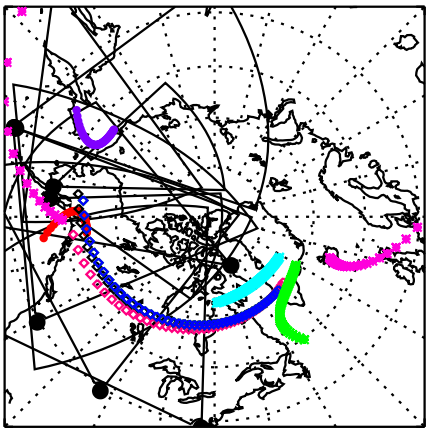


dce

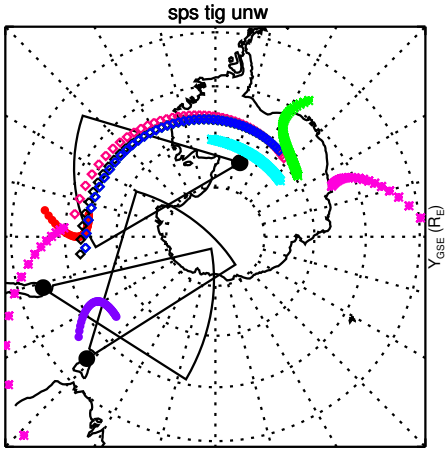


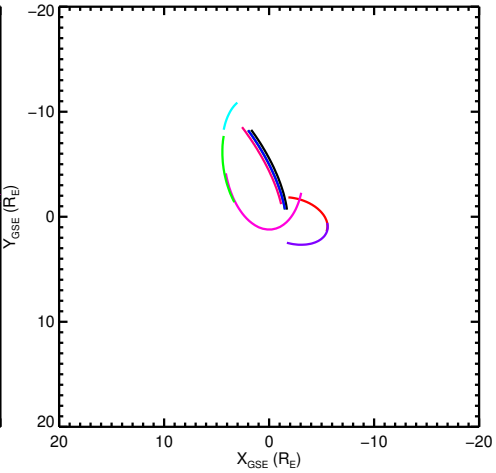


(c) 0925UT to 1320UT
ade adw bks cly cvw fhw hok kod ksr

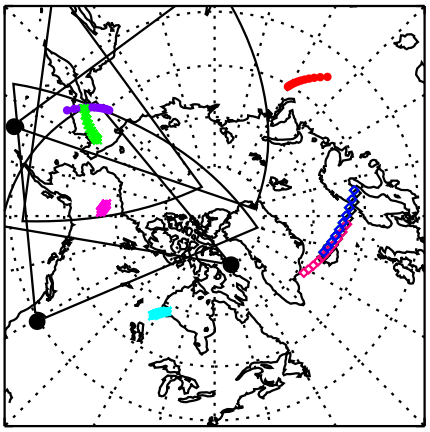


sps tig unw

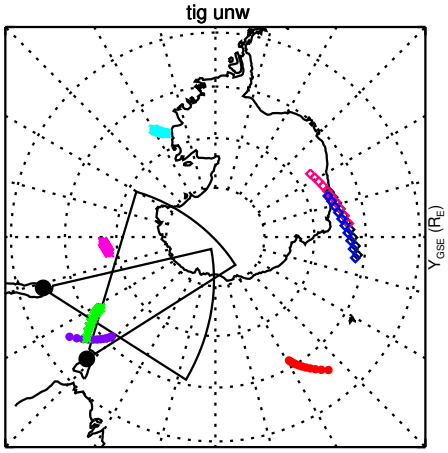


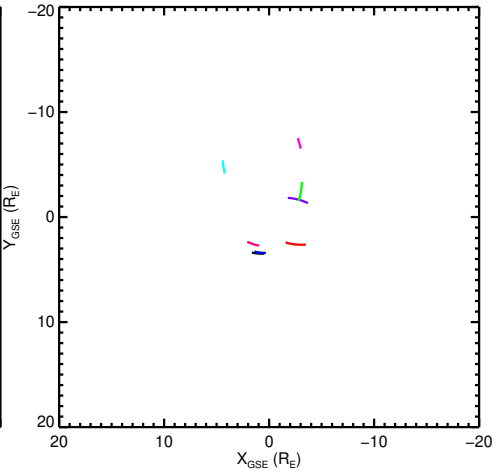


(d) 1525UT to 1620UT
adw cly cvw hok

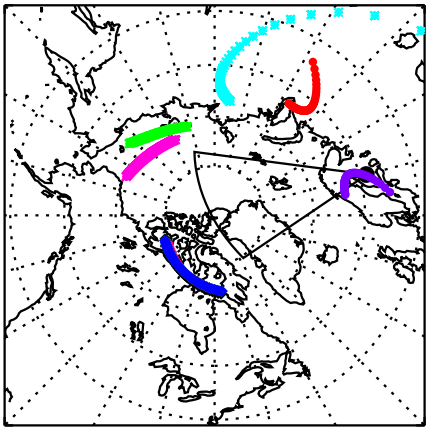


tig unw





(e) 1825UT to 2220UT
han



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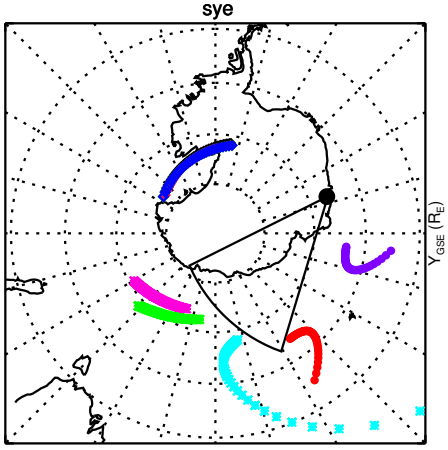
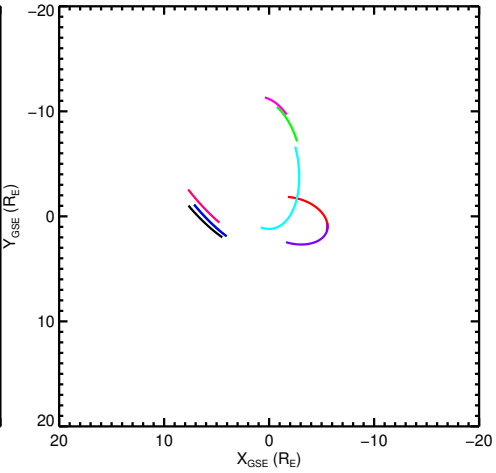
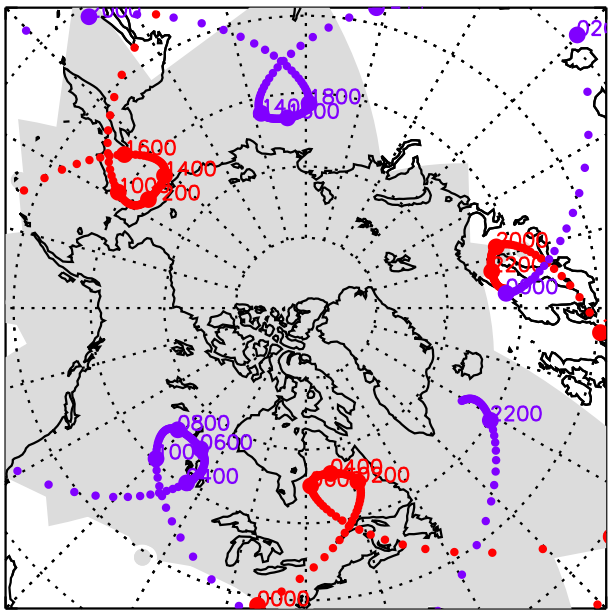


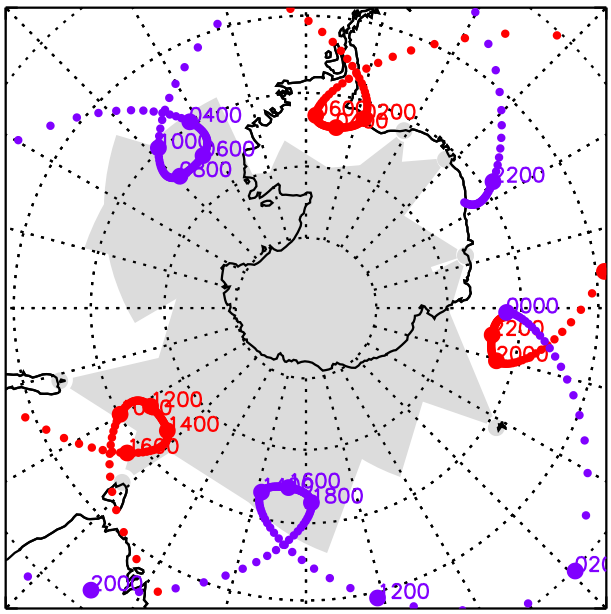


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

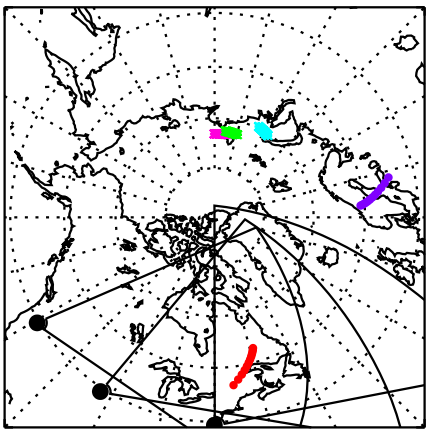
19–Apr–2013

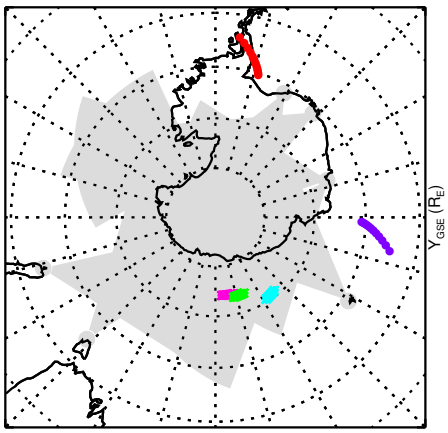
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

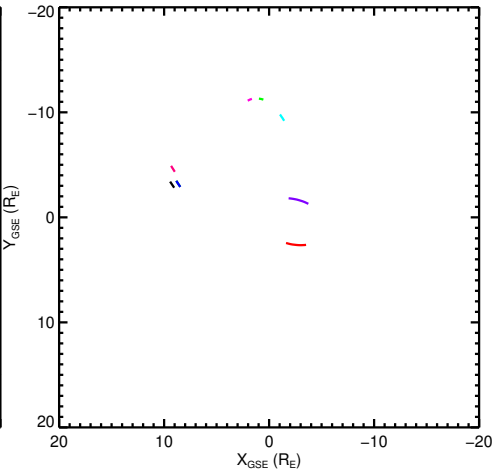




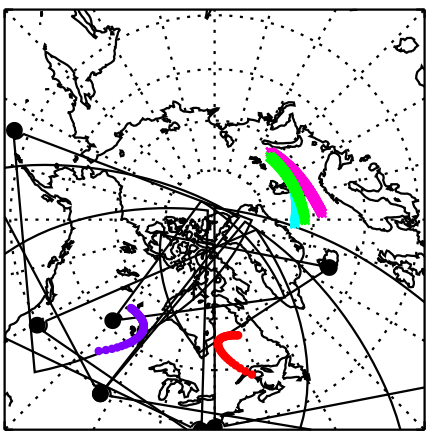
(a) 0025UT to 0120UT
cve fhe wal



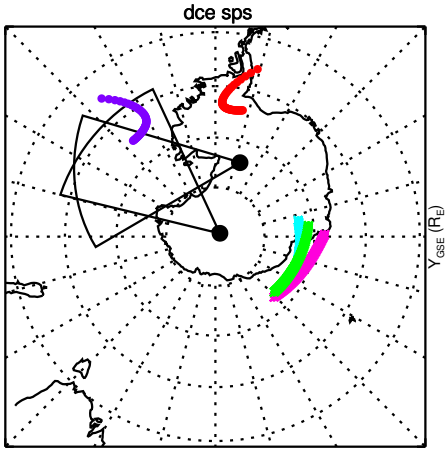


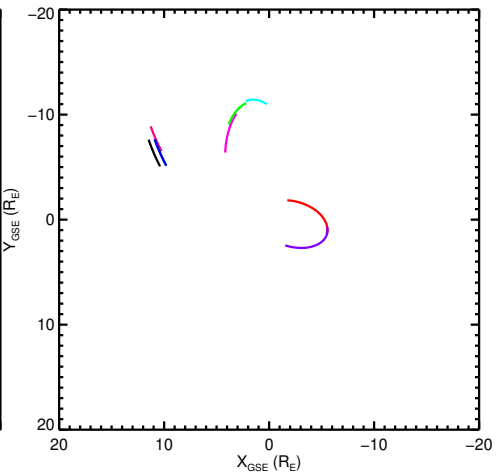


(b) 0325UT to 0720UT
ade bks cve fhe fhw sas sto wal

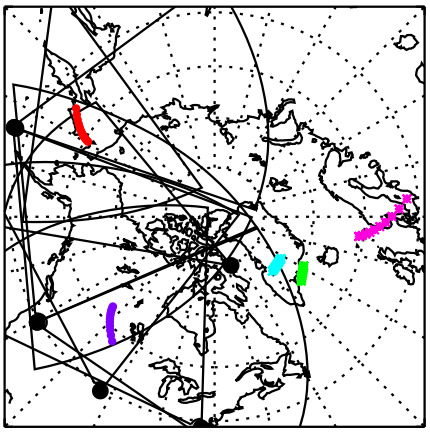


dce sps

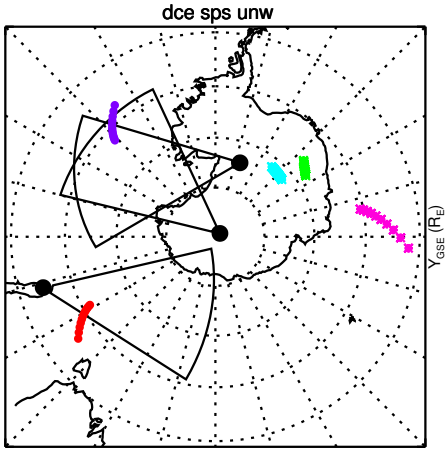


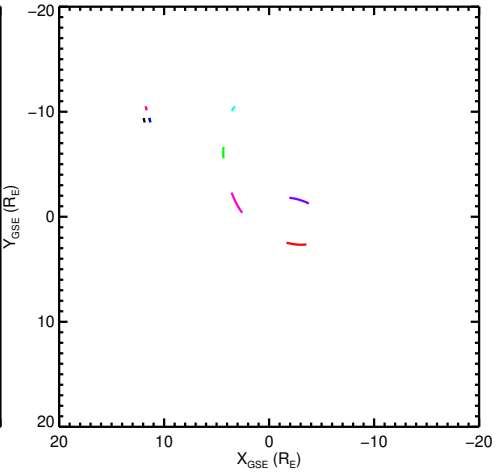


(c) 0925UT to 1020UT
ade adw bks cly cve cvw fhw hok

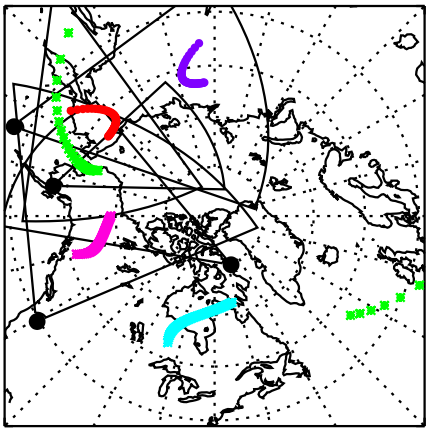


dce sps unw

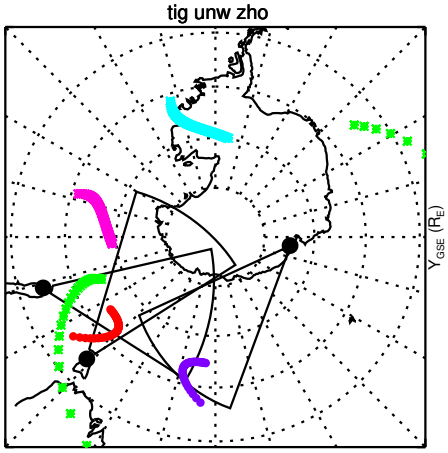


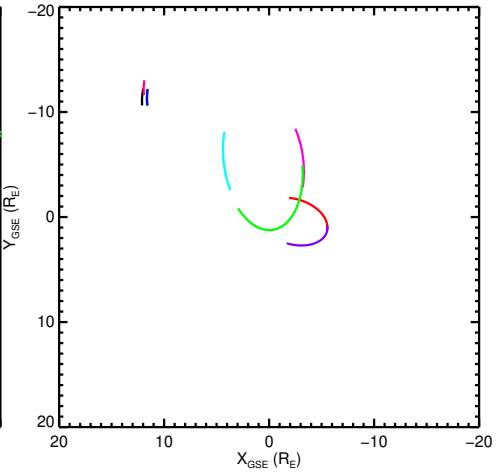


(d) 1230UT to 1615UT
adw cly cvw hok ksr

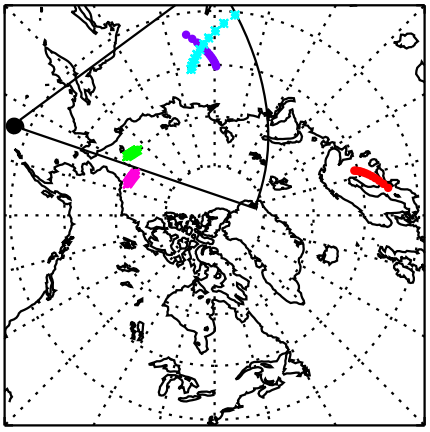


tig unw zho





(e) 1825UT to 1925UT
adw



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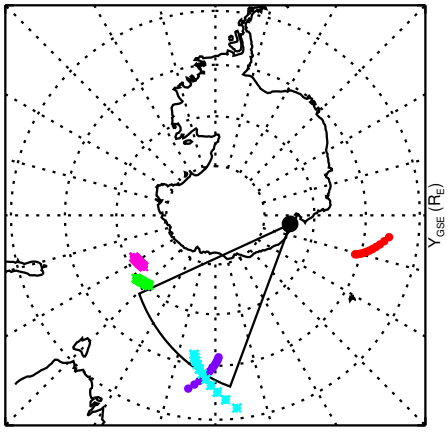
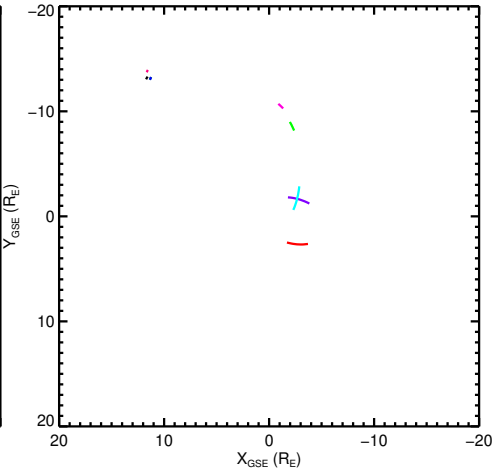
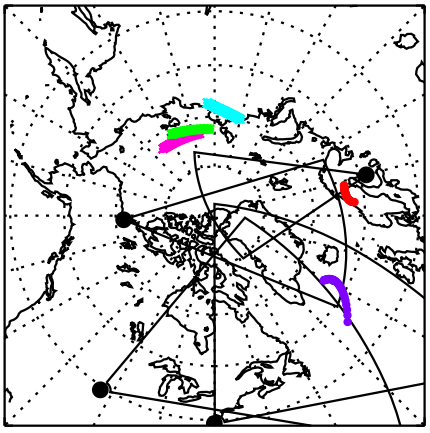
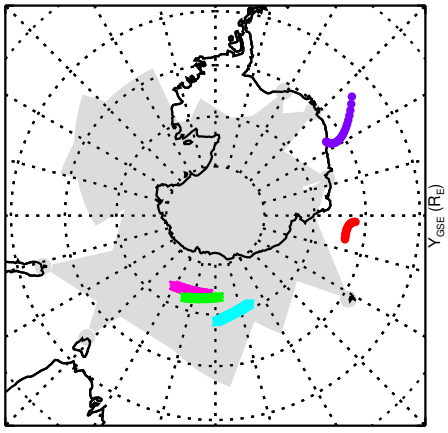
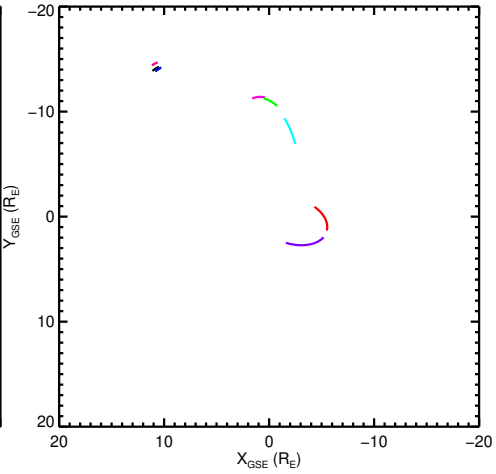




(f) 2130UT to 2355UT
fhe han inv wal



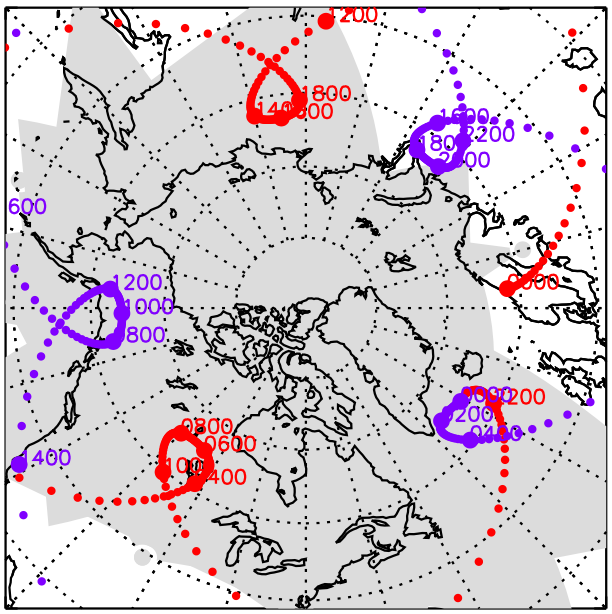


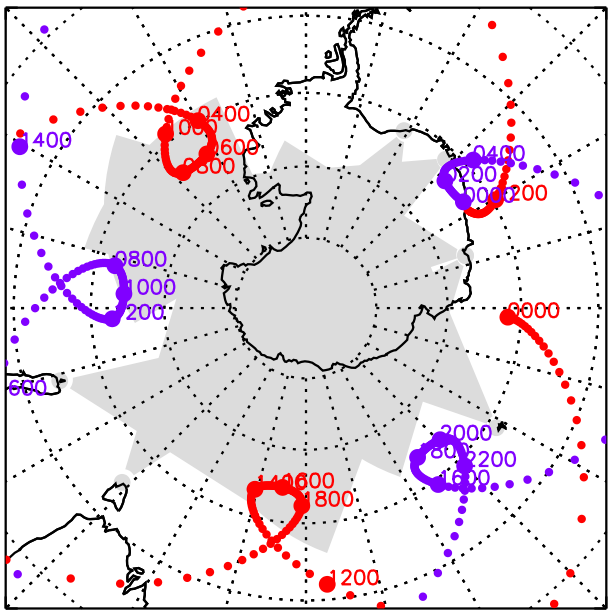


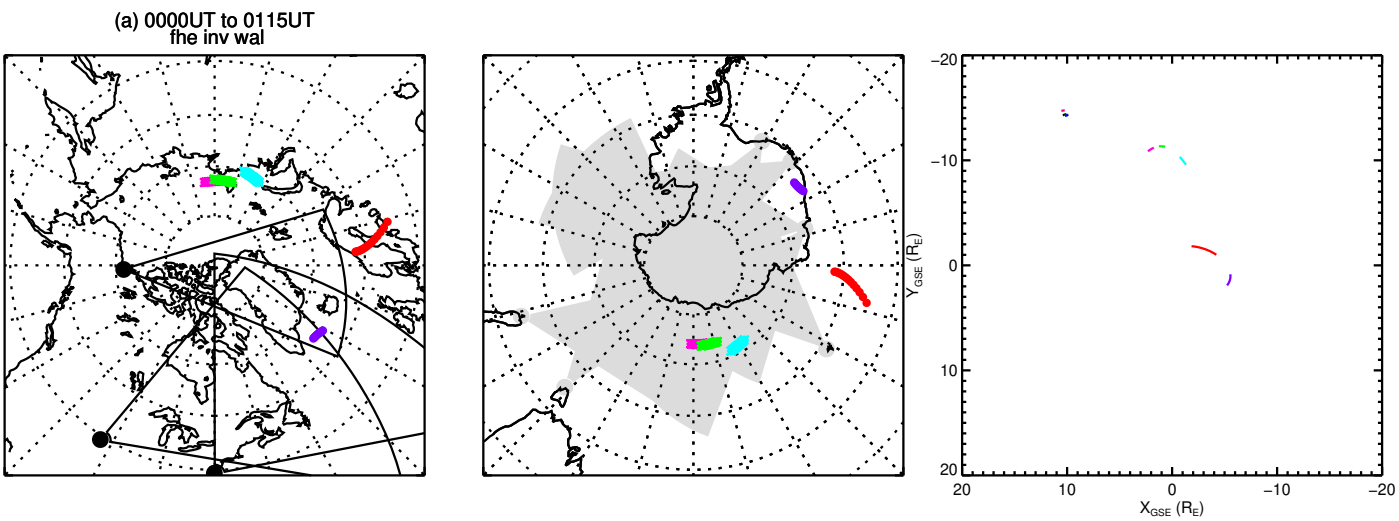
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

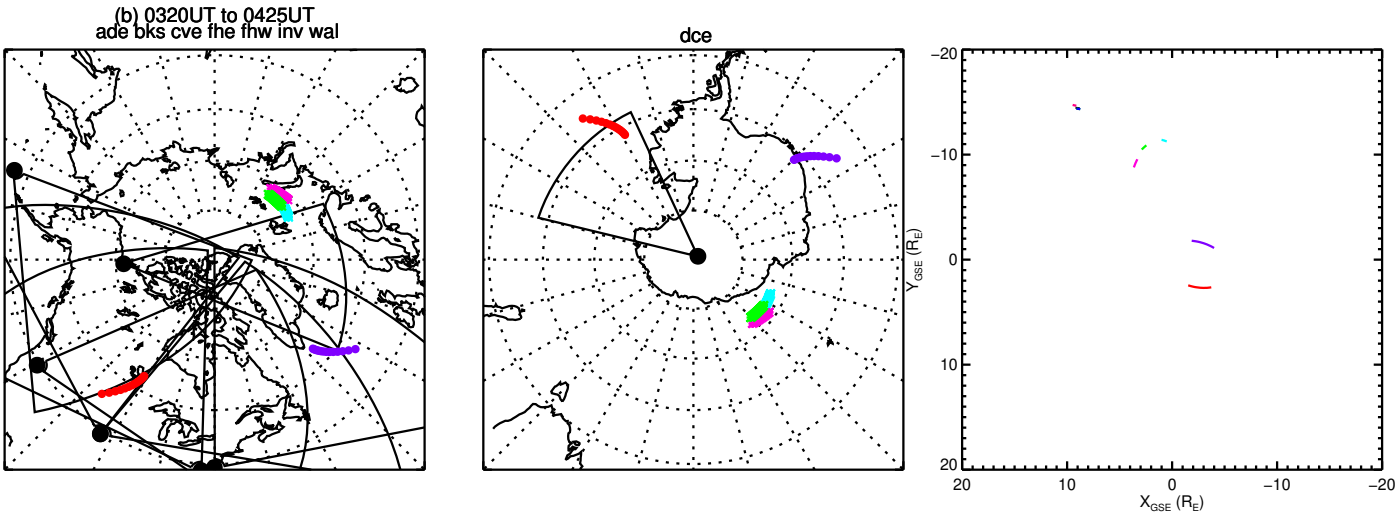
20–Apr–2013

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



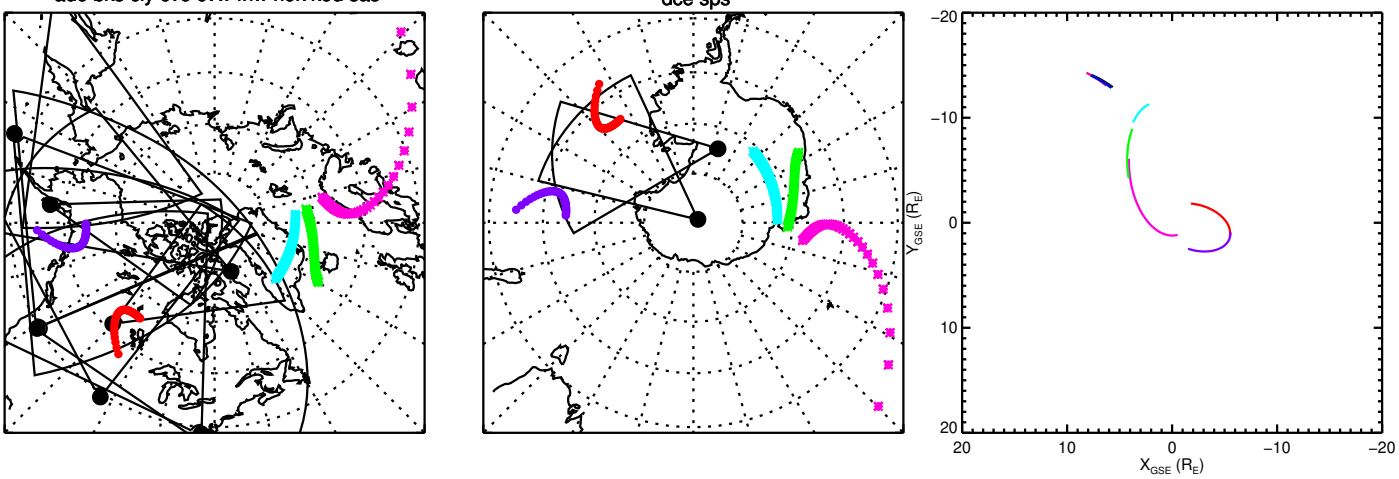






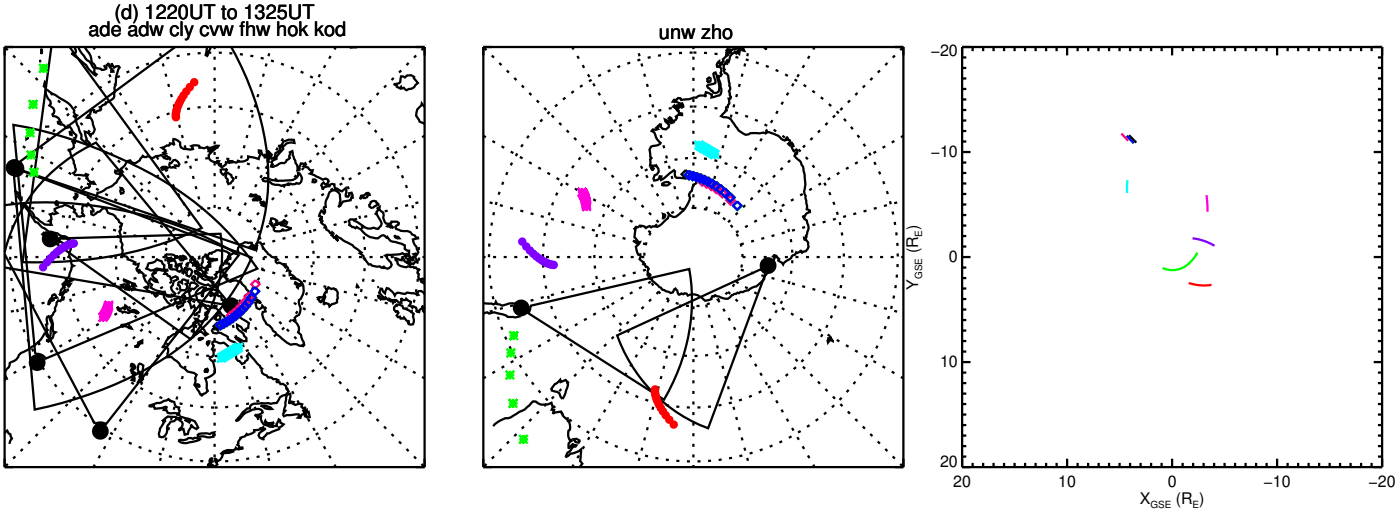
(c) 0630UT to 1015UT
ade bks cly cve cvw fhw hok kod sas

dce sps



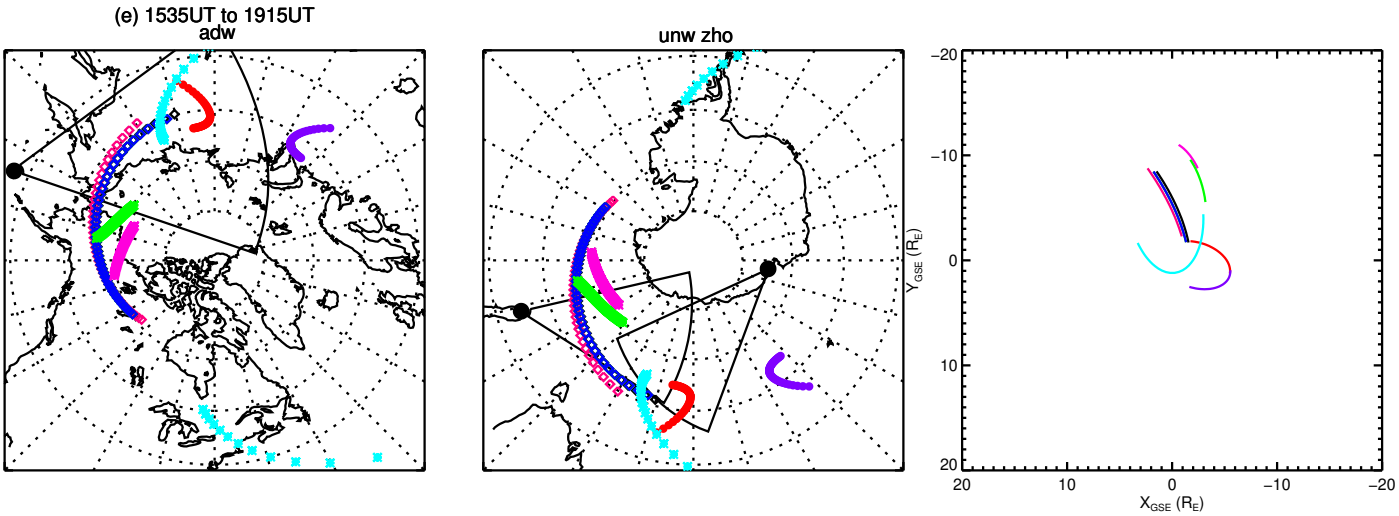
(d) 1220UT to 1325UT
ade adw cly cvw fhw hok kod

unw zho

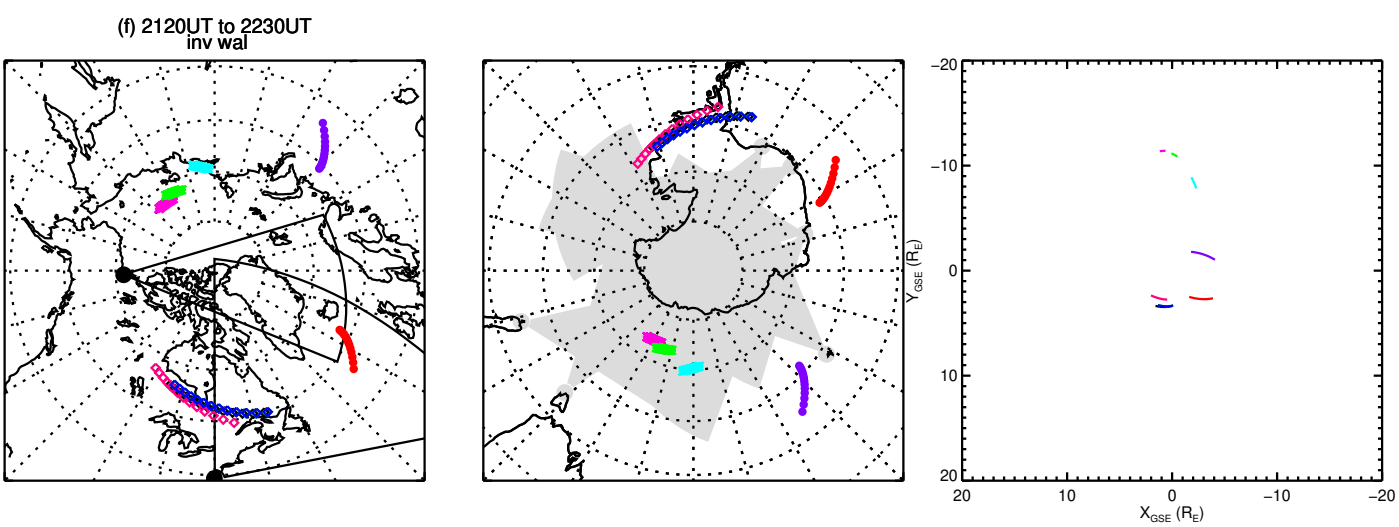


(e) 1535UT to 1915UT
adw

unw zho



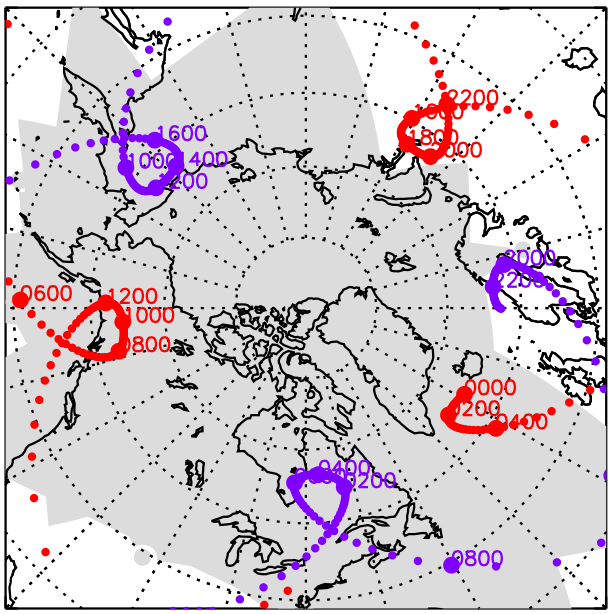
(f) 2120UT to 2230UT
inv wal

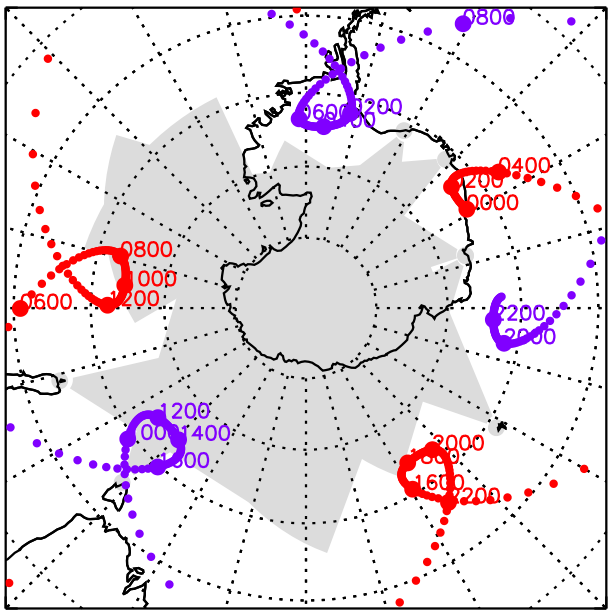


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

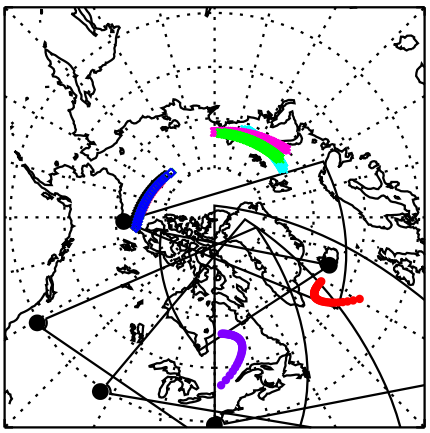
21−Apr−2013

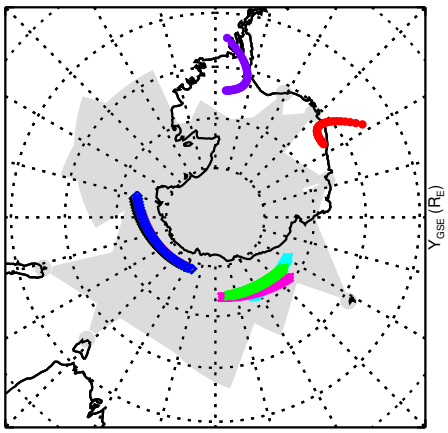
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

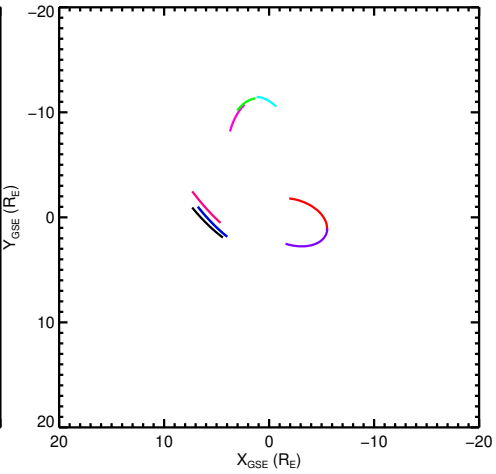




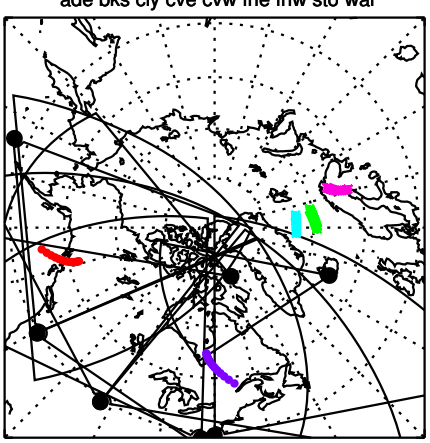
(a) 0035UT to 0410UT
cve fhe inv sto wal



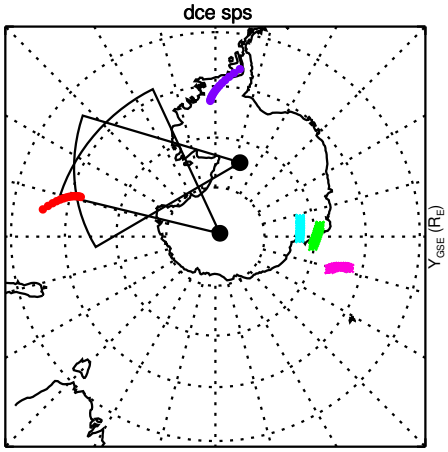


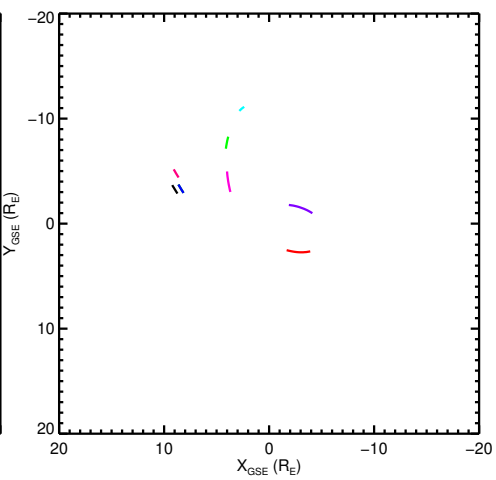


(b) 0620UT to 0730UT
ade bks cly cve cvw fhe fhw sto wal

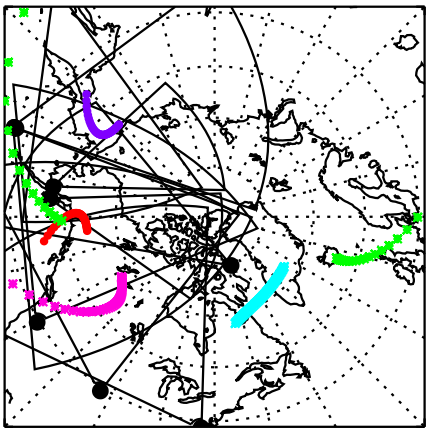


dce sps

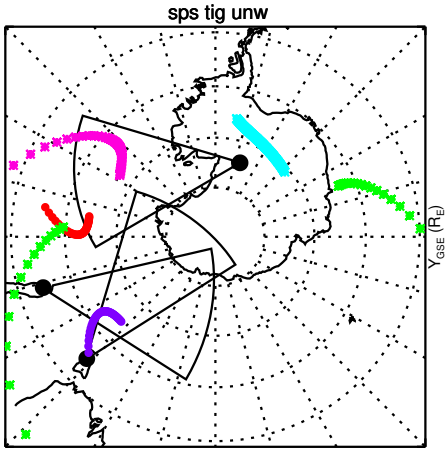


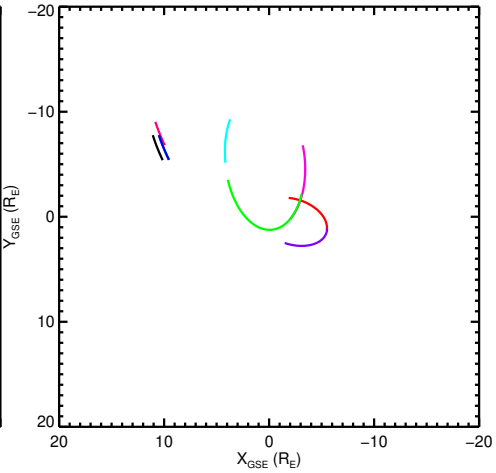


(c) 0935UT to 1310UT
ade adw bks cly cvw fhw hok kod ksr

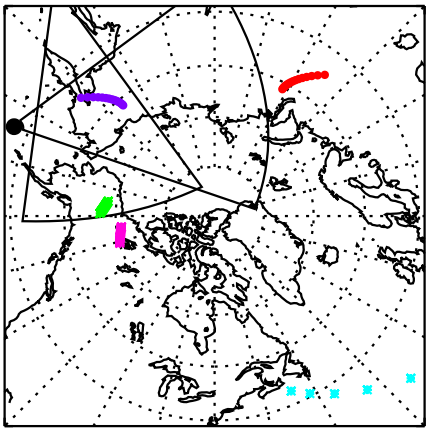


sps tig unw

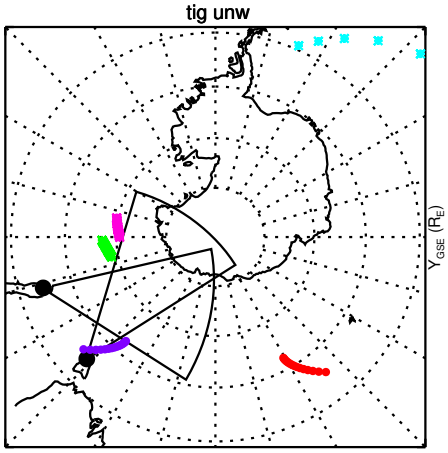


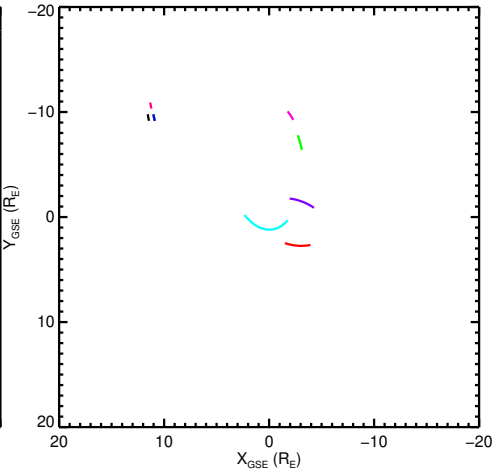


(d) 1515UT to 1630UT
adw hok

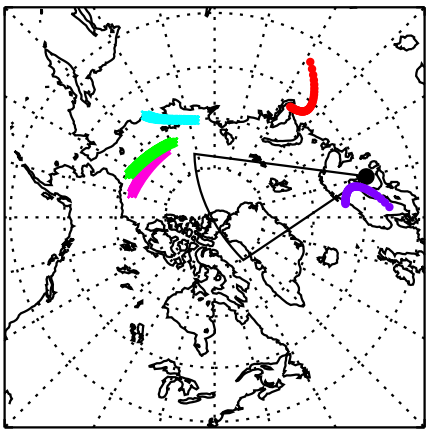


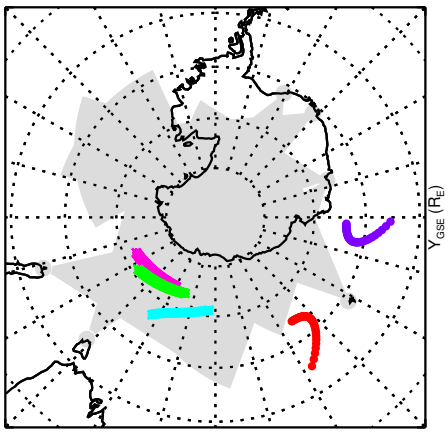
tig unw

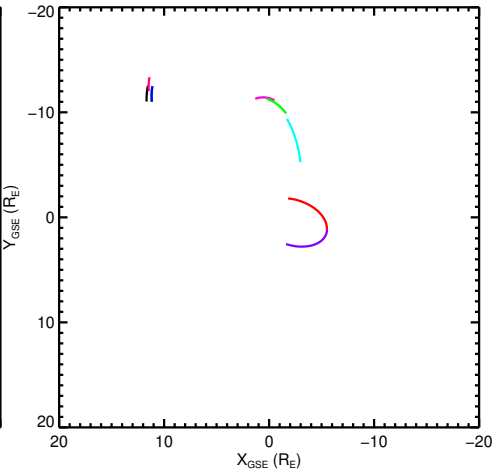




(e) 1840UT to 2210UT
han



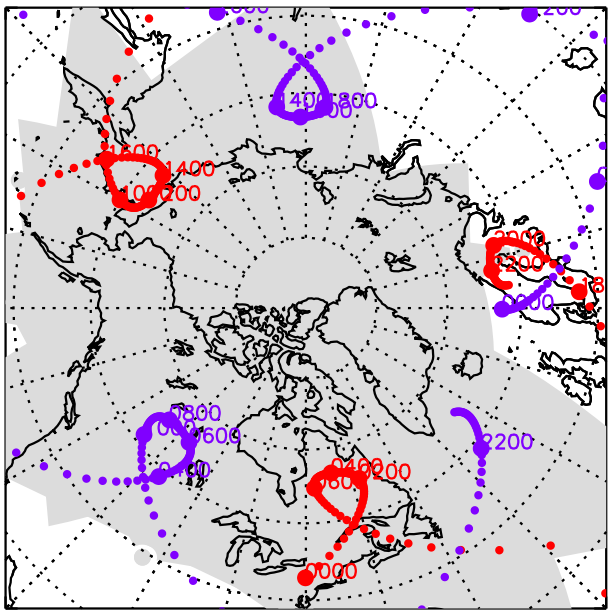


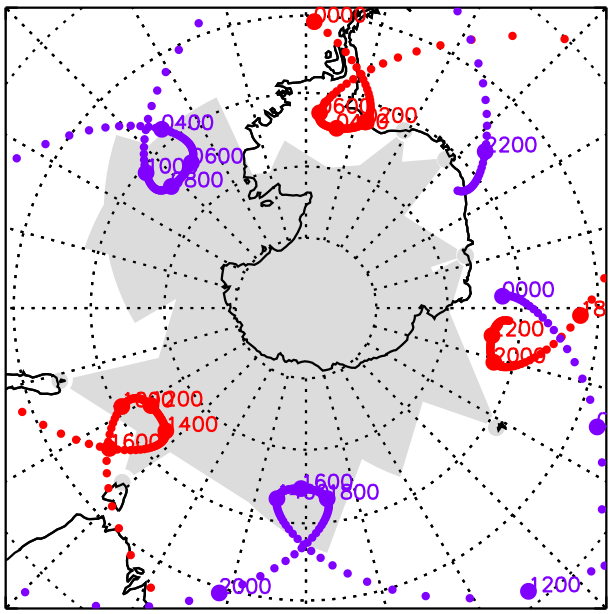


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

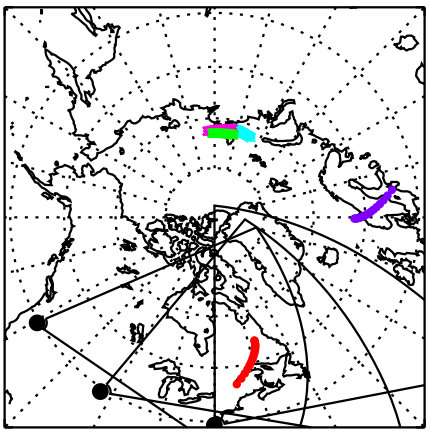
22−Apr−2013

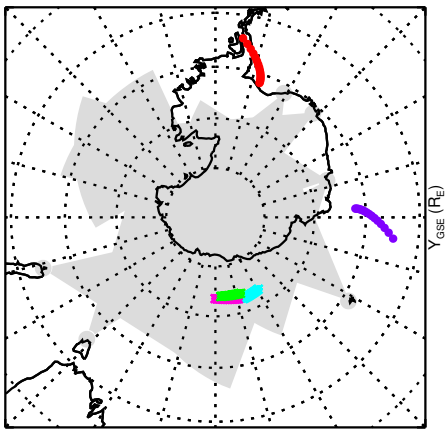
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

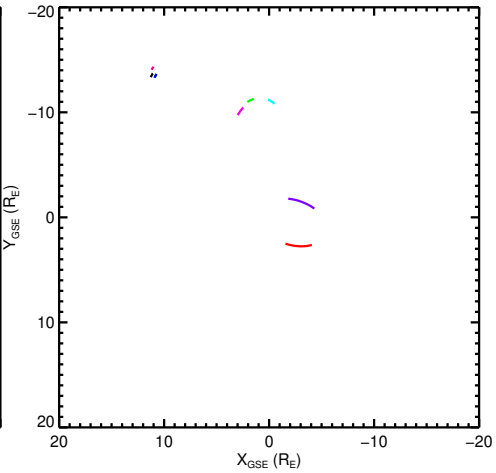




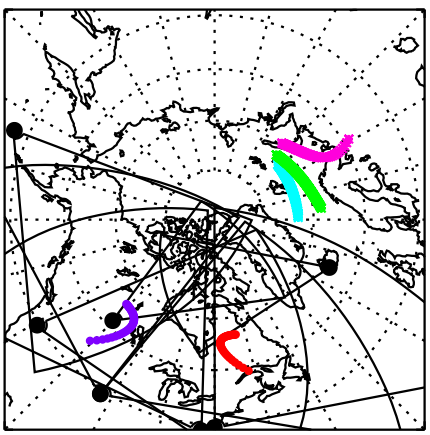
(a) 0015UT to 0135UT
cve fhe wal



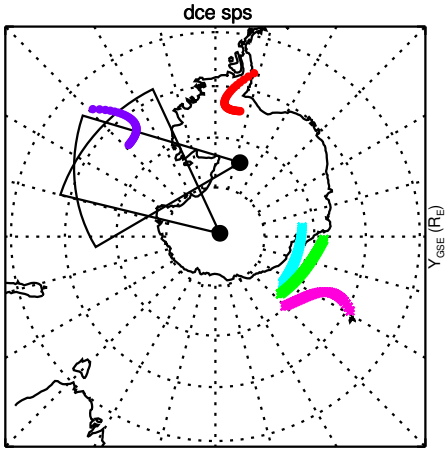


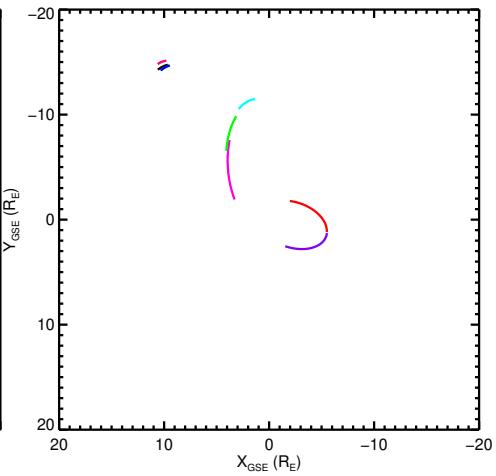


(b) 0340UT to 0705UT
ade bks cve fhe fhw sas sto wal

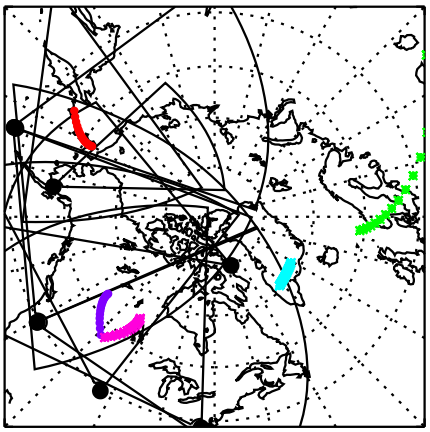


dce sps

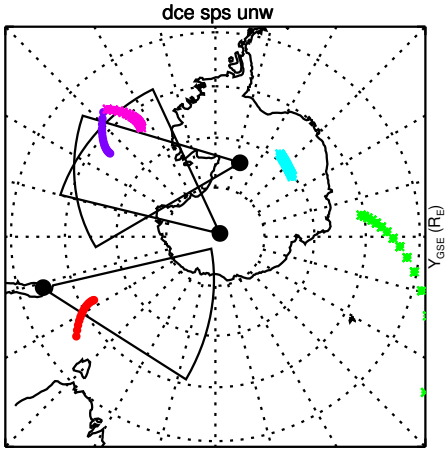


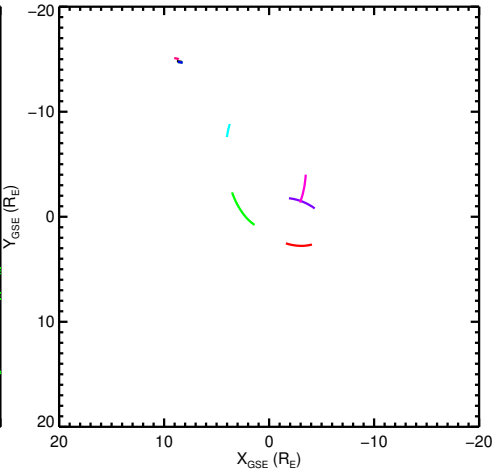


(c) 0915UT to 1035UT
ade adw bks cly cve cvw fhw hok ksr

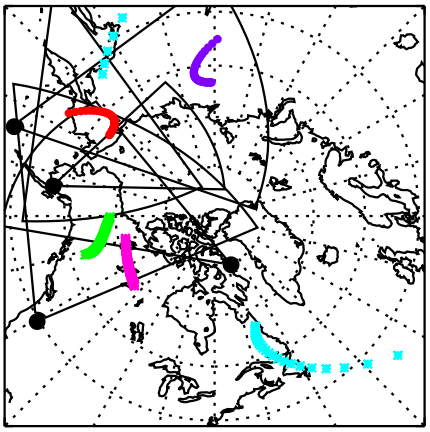


dce sps unw

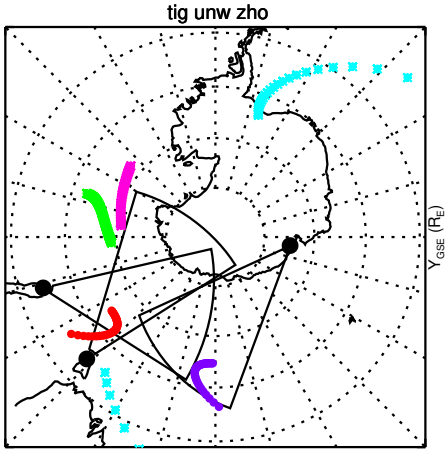


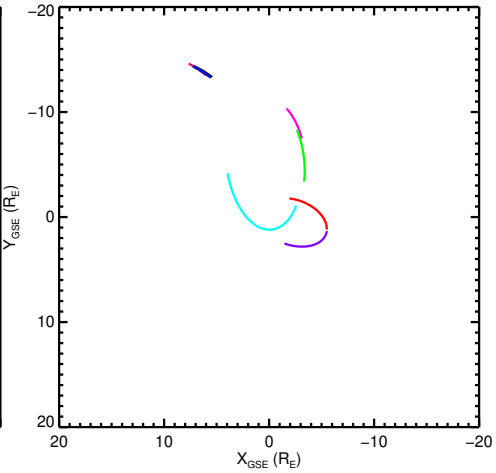


(d) 1240UT to 1605UT
adw cly cvw hok ksr

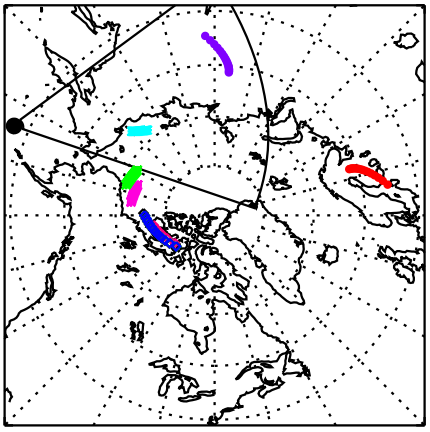


tig unw zho

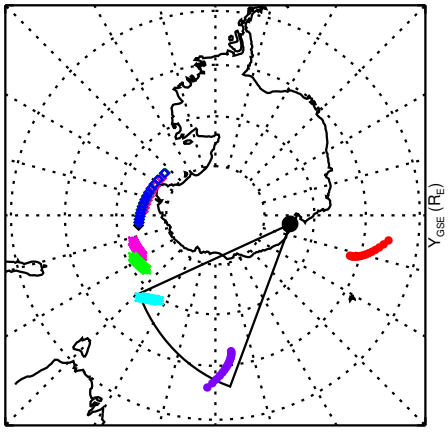


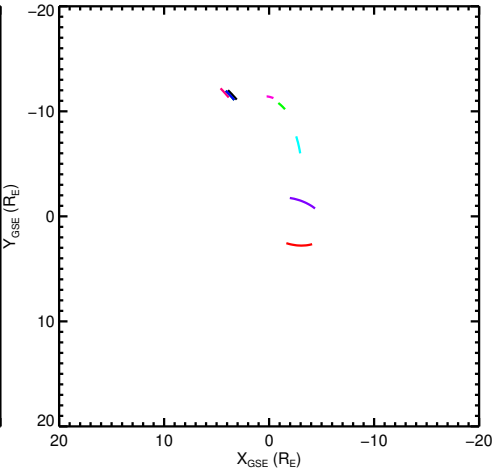


(e) 1815UT to 1935UT
adw

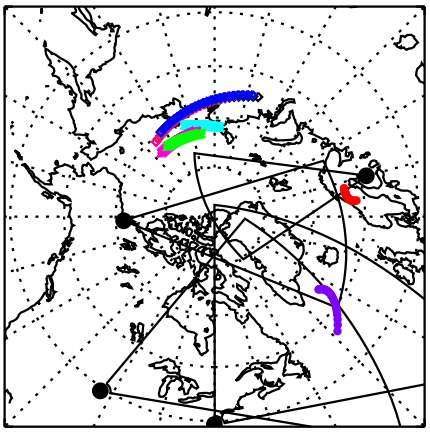


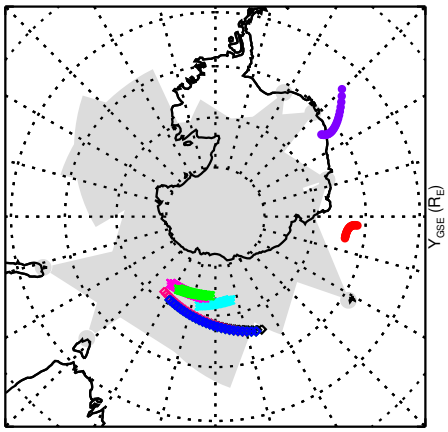
zho

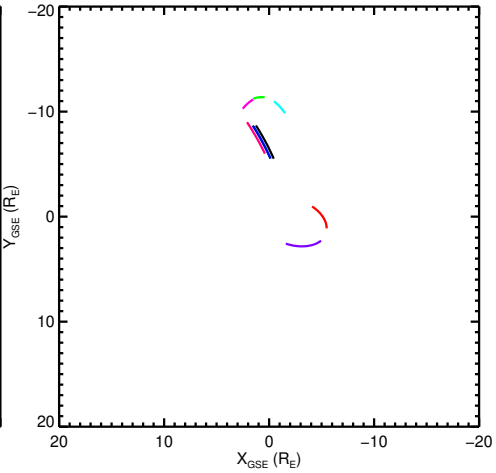




(f) 2145UT to 2355UT
fhe han inv wal



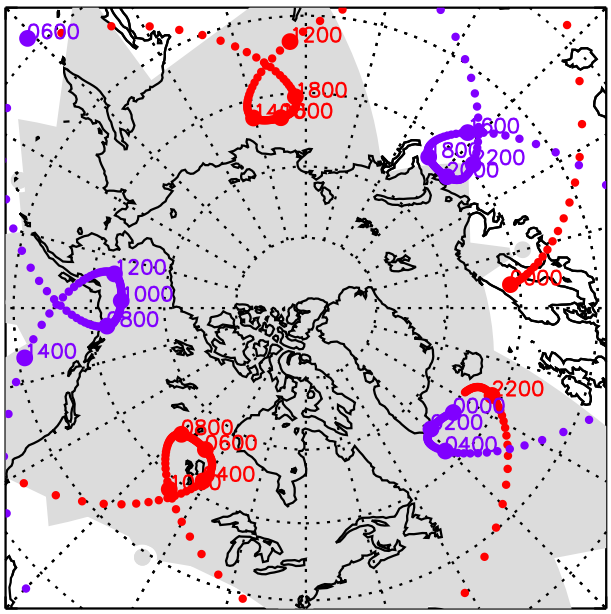


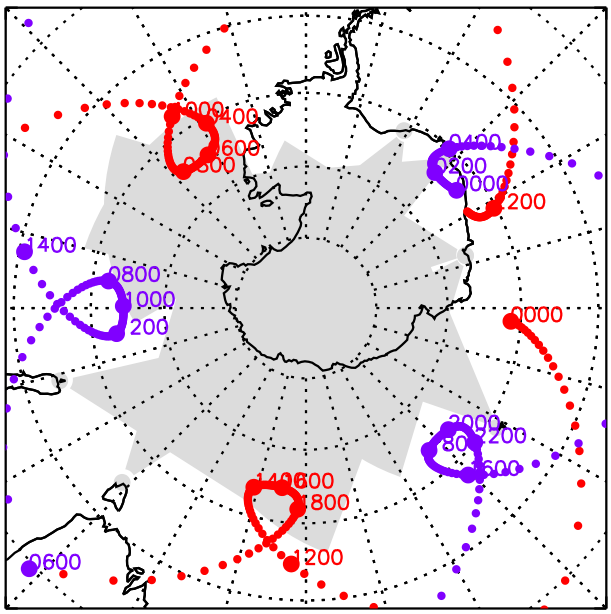


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

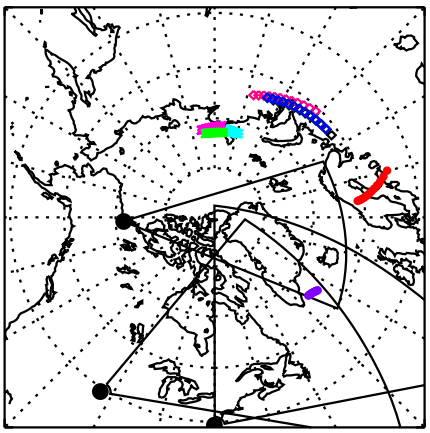
23–Apr–2013

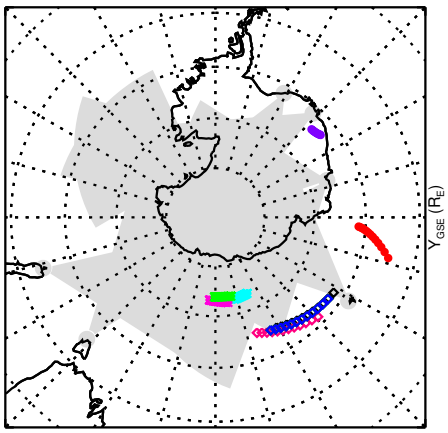
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

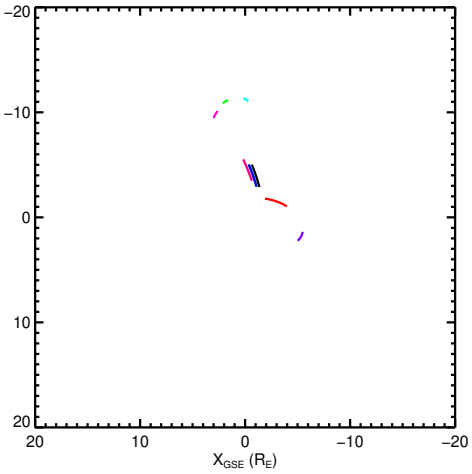




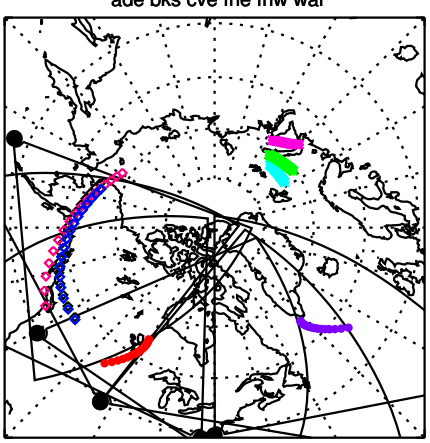
(a) 0000UT to 0105UT
fhe inv wal



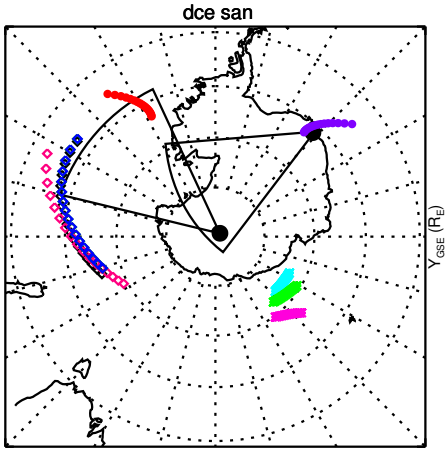


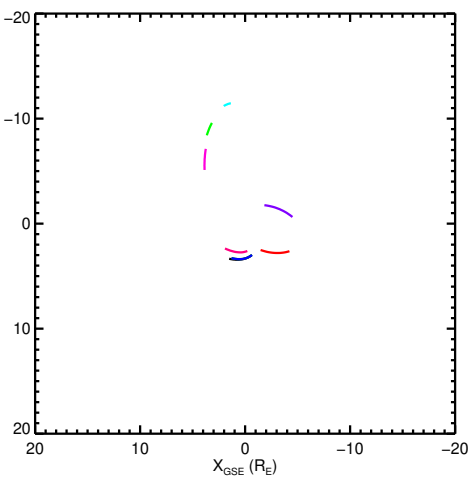


(b) 0310UT to 0440UT
ade bks cve fhe fhw wal



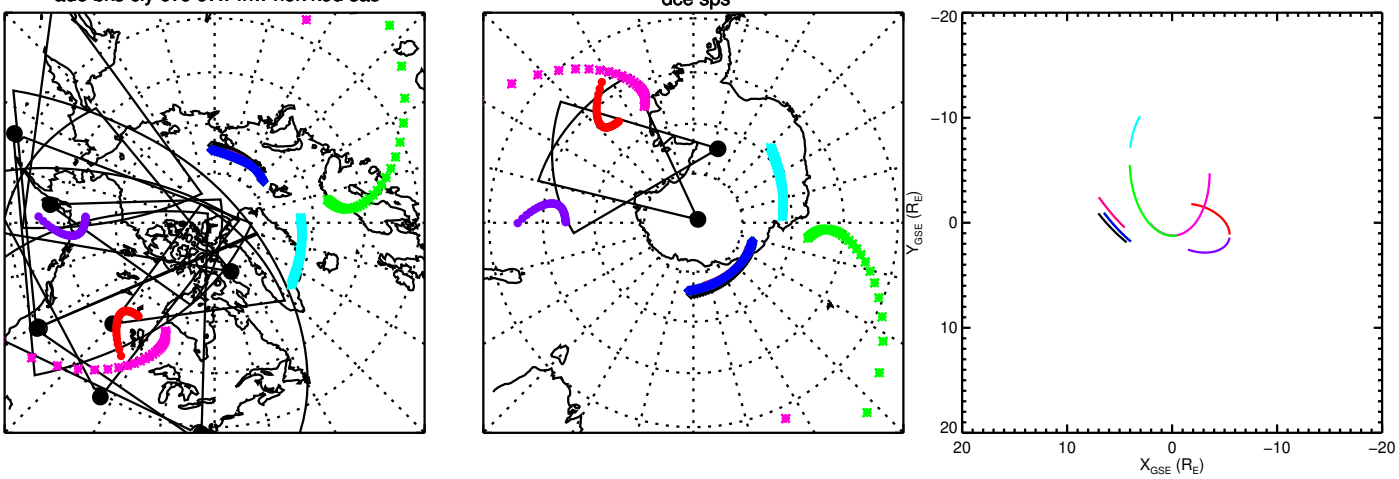
dce san





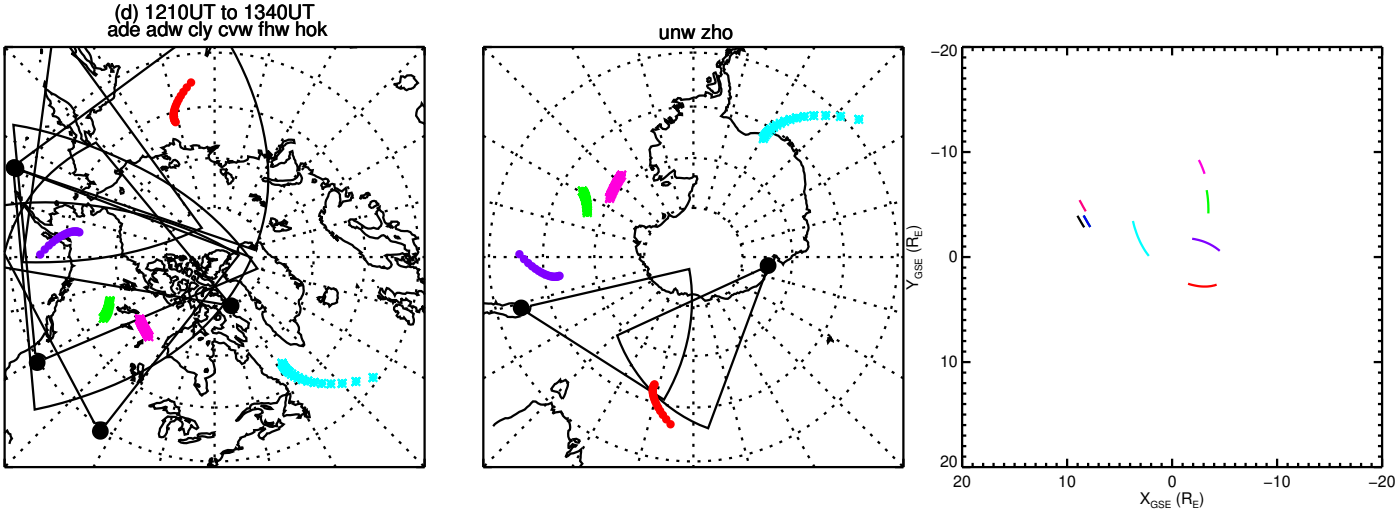
(c) 0645UT to 1005UT
ade bks cly cve cvw fhw hok kod sas

dce sps



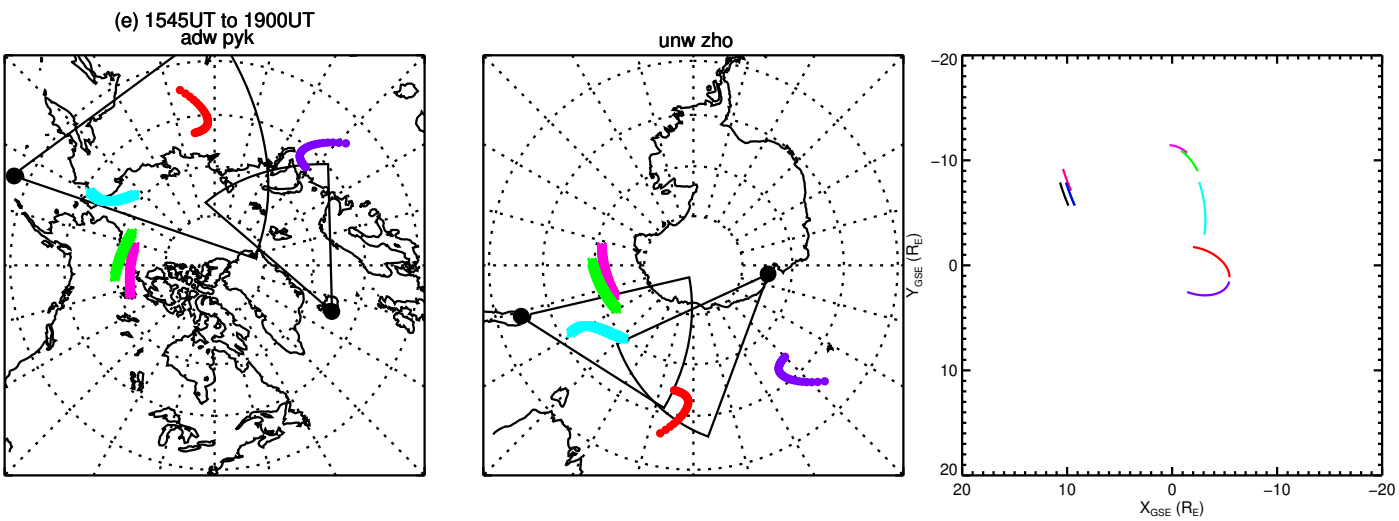
(d) 1210UT to 1340UT
ade adw cly cvw fhw hok

unw zho

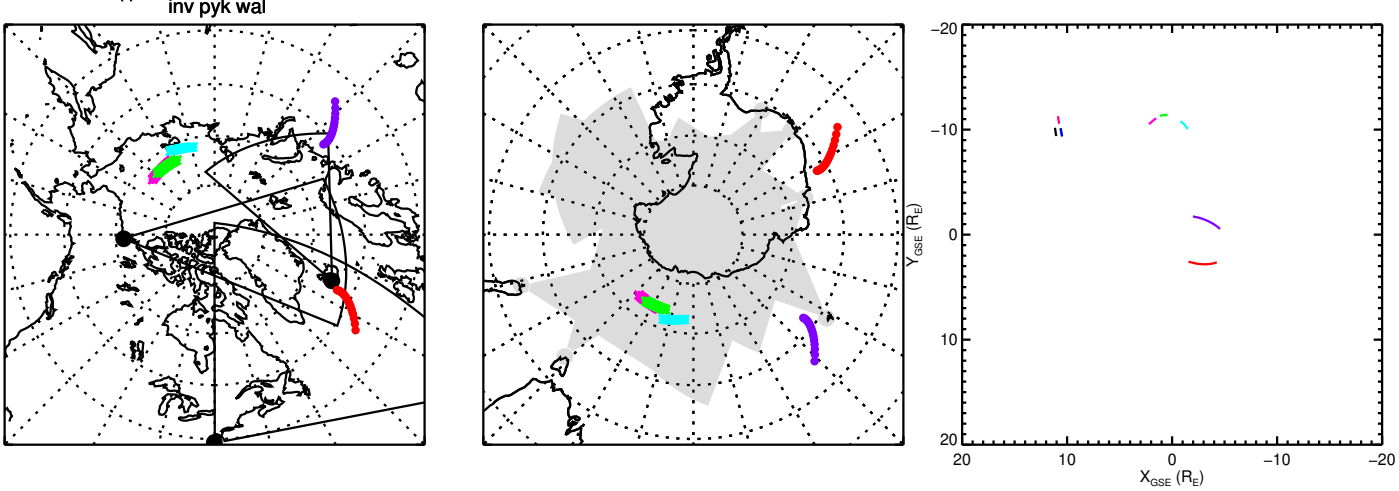


(e) 1545UT to 1900UT
adw pyk

unw zho



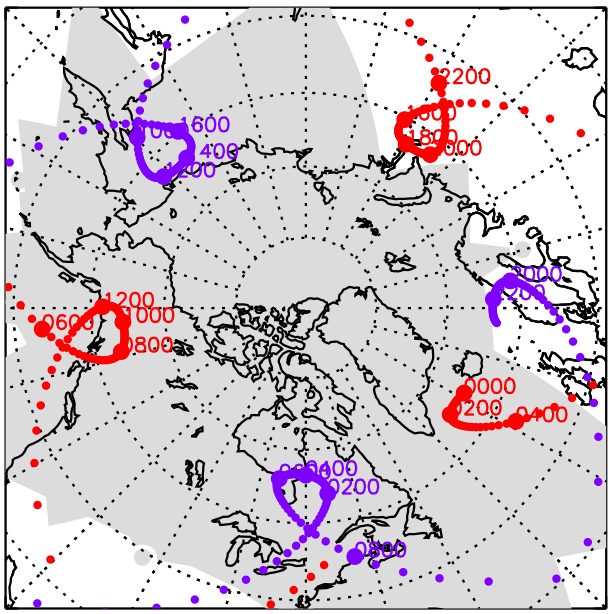
(f) 2110UT to 2240UT
inv pyk wal

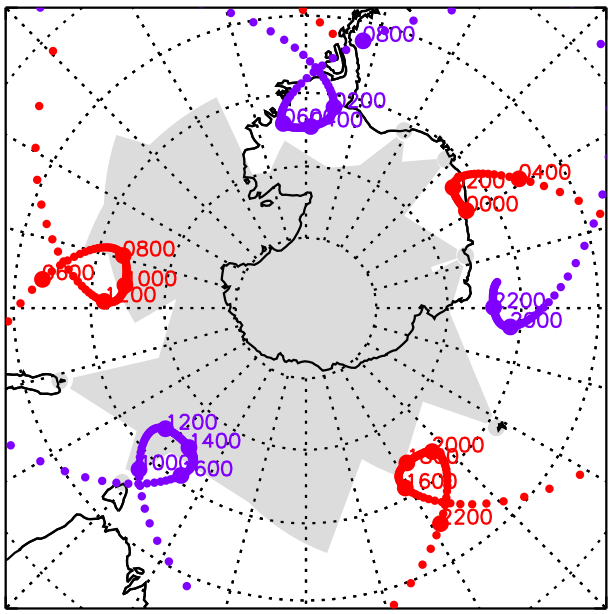


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

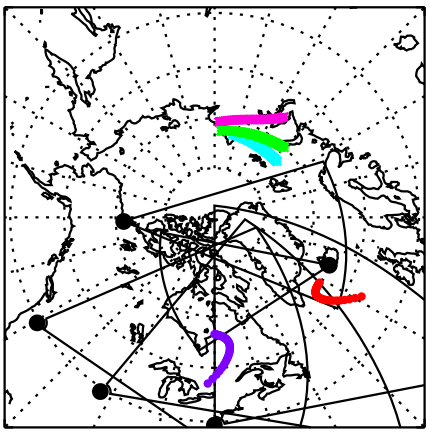
24−Apr−2013

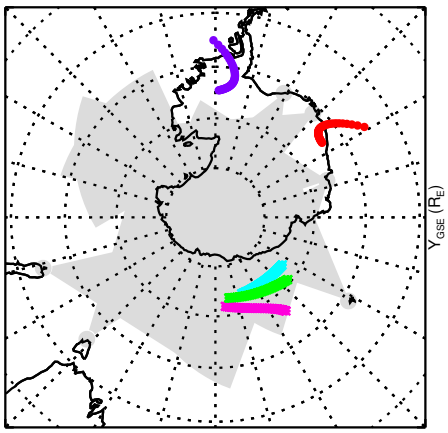
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

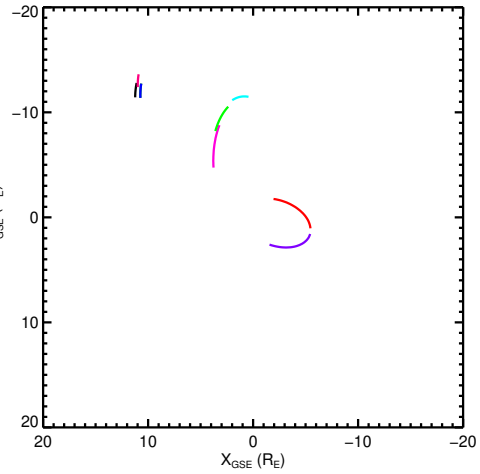




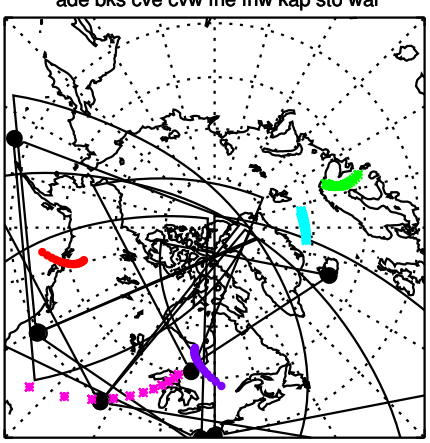
(a) 0050UT to 0400UT
cve fhe inv sto wal



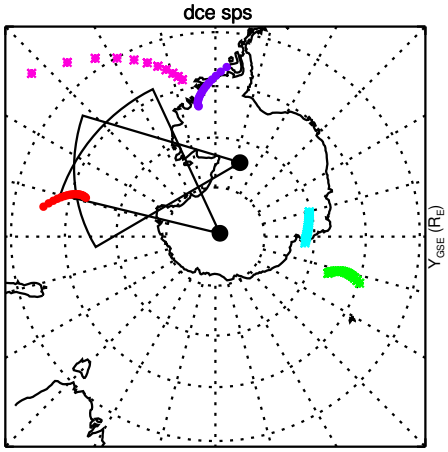


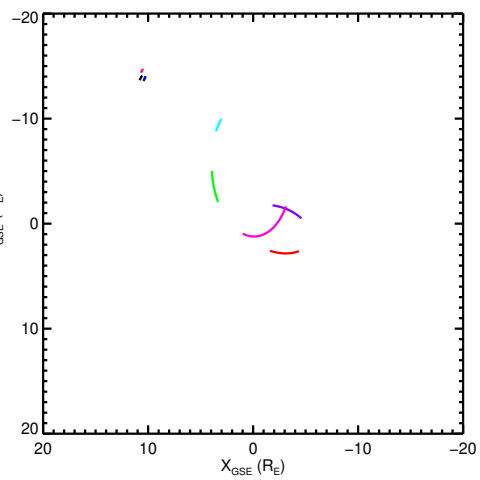


(b) 0610UT to 0745UT
ade bks cve cvw fhe fhw kap sto wal

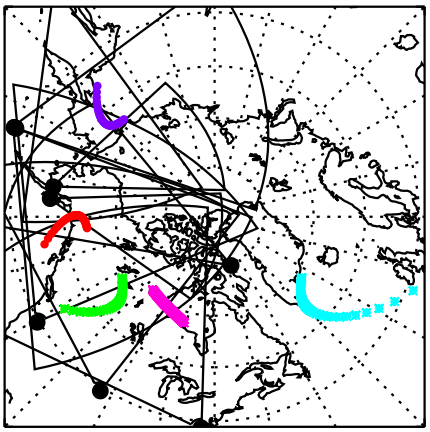


dce sps

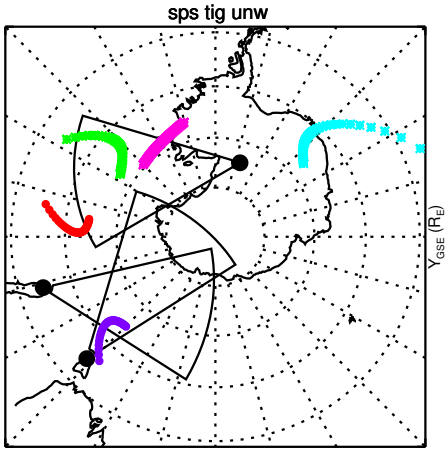


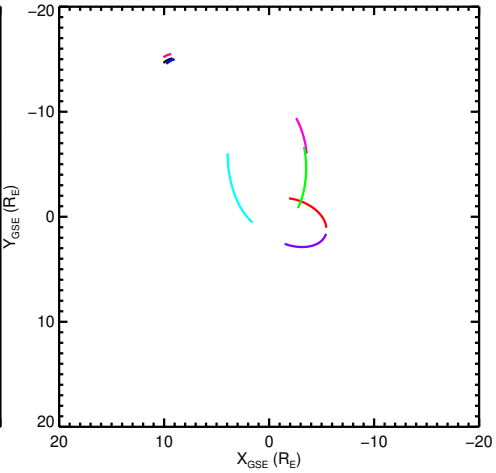


(c) 0950UT to 1300UT
ade adw bks cly cvw fhw hok kod ksr

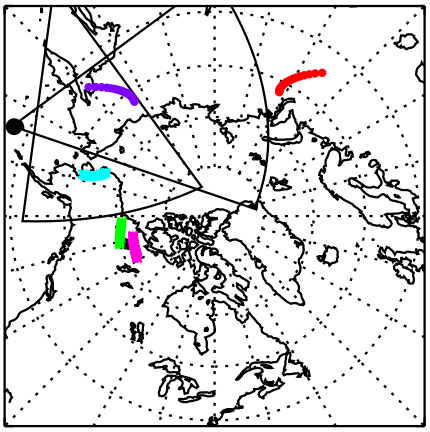


sps tig unw

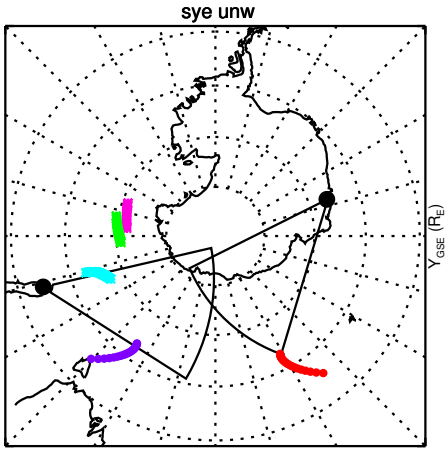


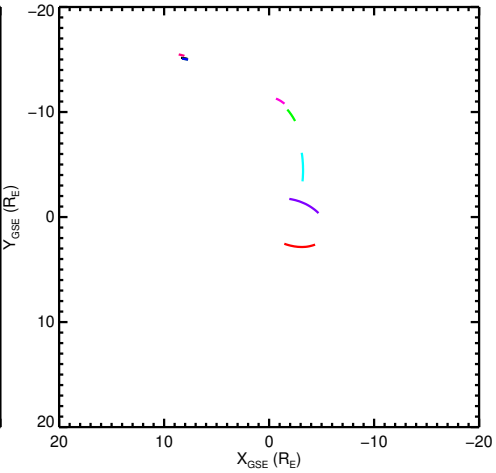


(d) 1505UT to 1645UT
adw hok

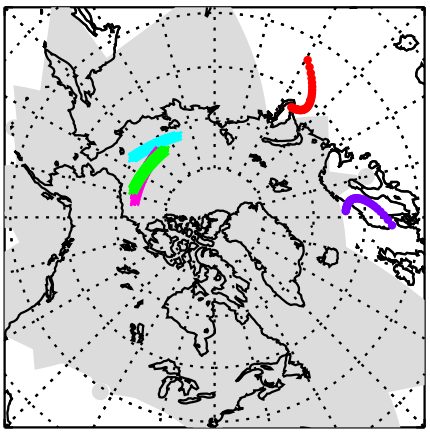


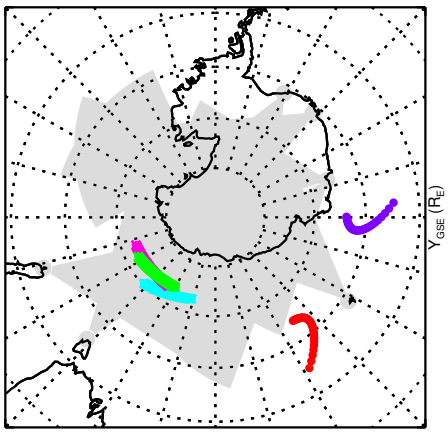
sye unw

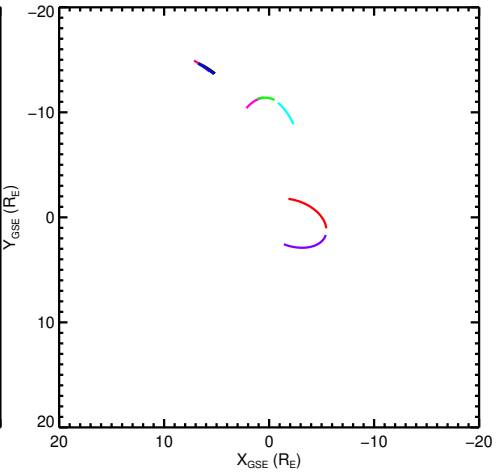




(e) 1850UT to 2200UT



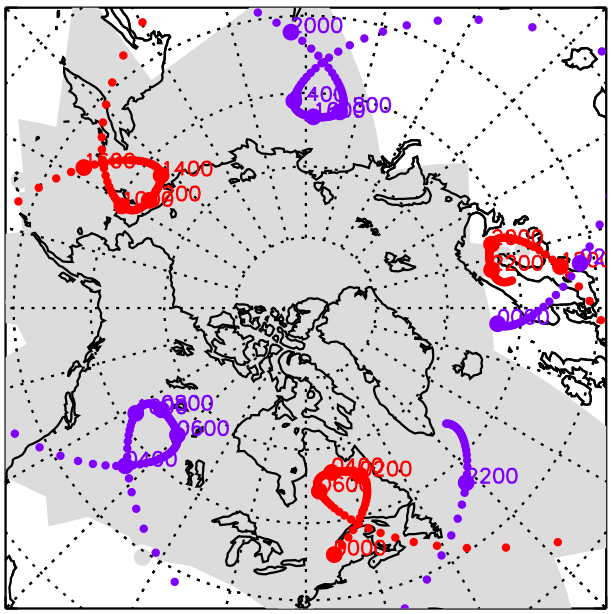


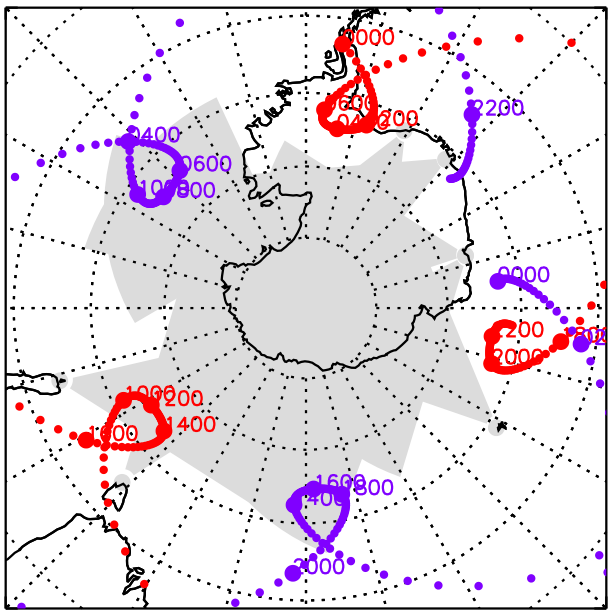


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

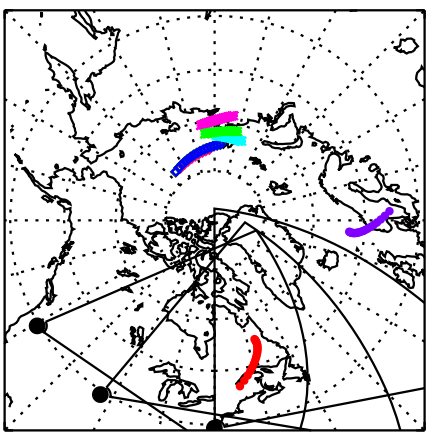
25–Apr–2013

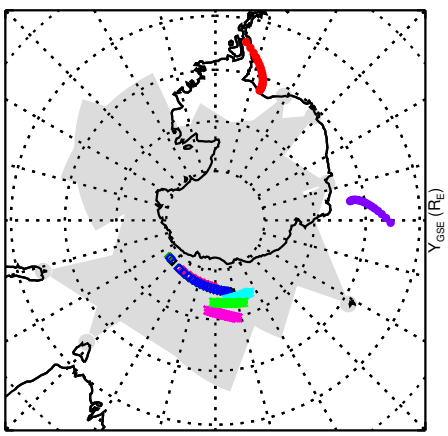
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

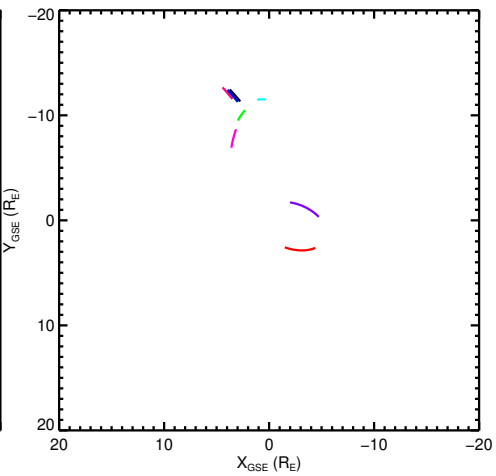




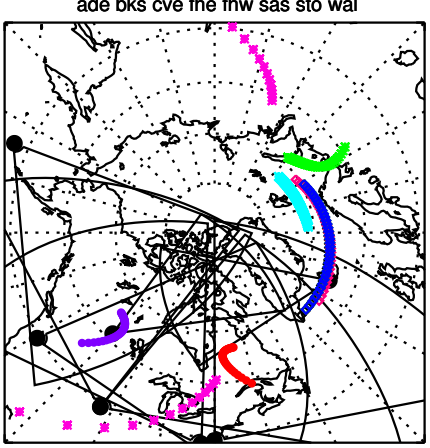
(a) 0005UT to 0145UT
cve fhe wal



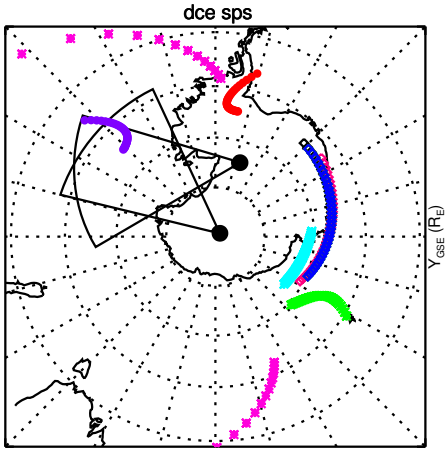


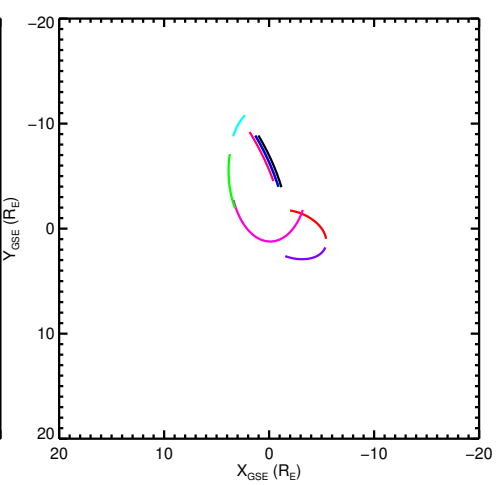


(b) 0355UT to 0655UT
ade bks cve fhe fhw sas sto wal



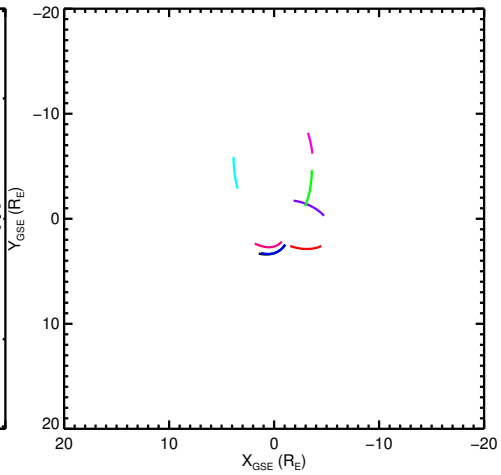
dce sps





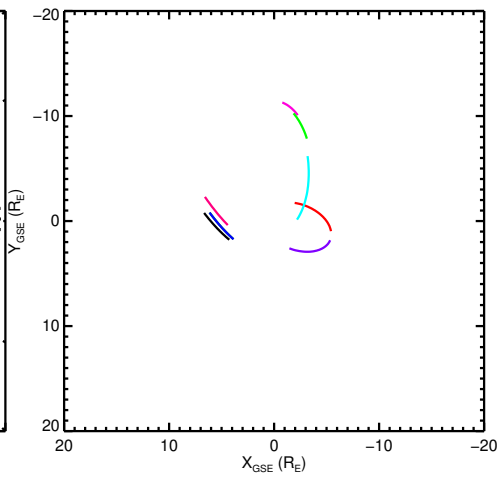
(c) 0905UT to 1050UT
ade adw bks cly cve cvw fhw hok ksr

dce sps unw



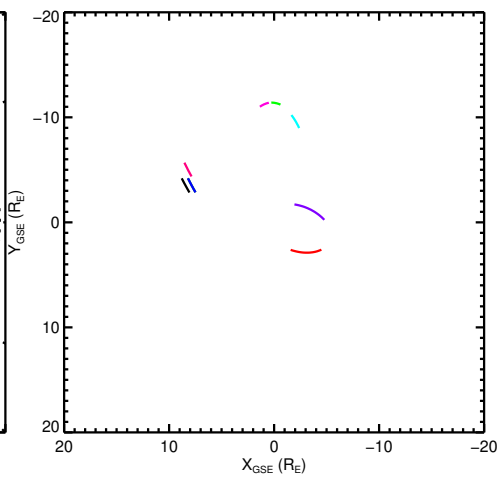
(d) 1255UT to 1555UT
adw cly cvw hok ksr

tig unw zho

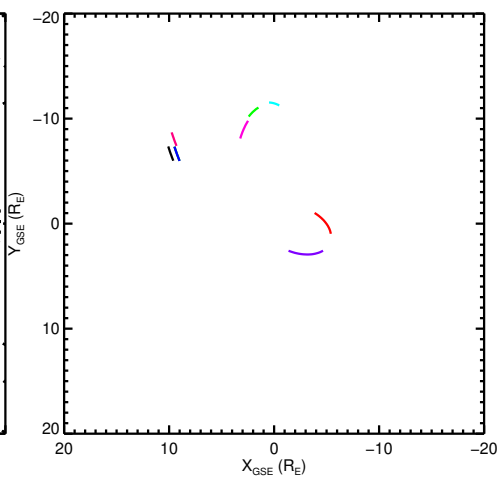


(e) 1805UT to 1950UT
adw

zho



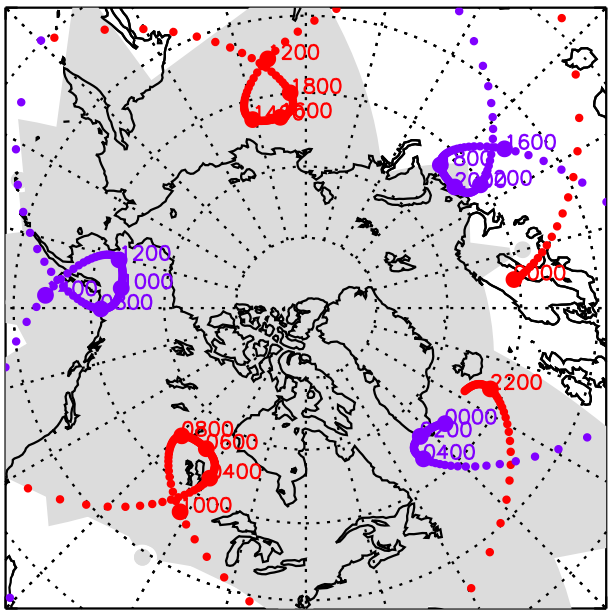
(f) 2155UT to 2355UT
fhe han inv wal

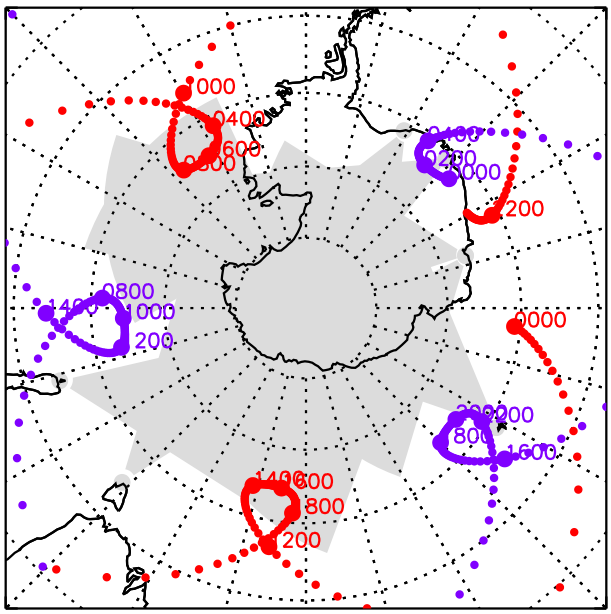


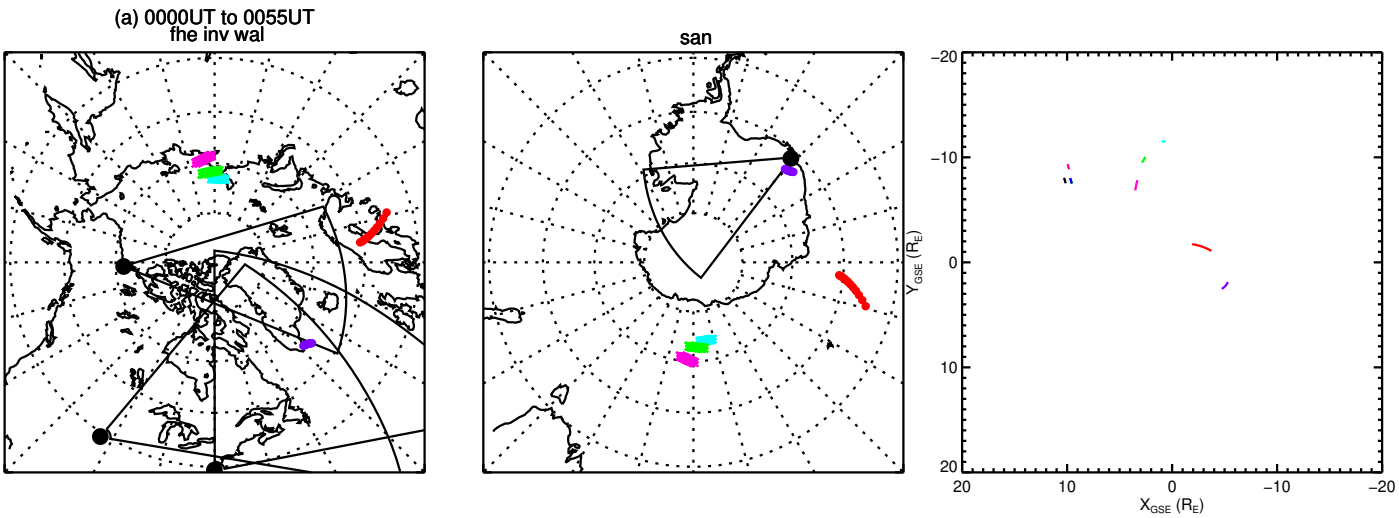
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

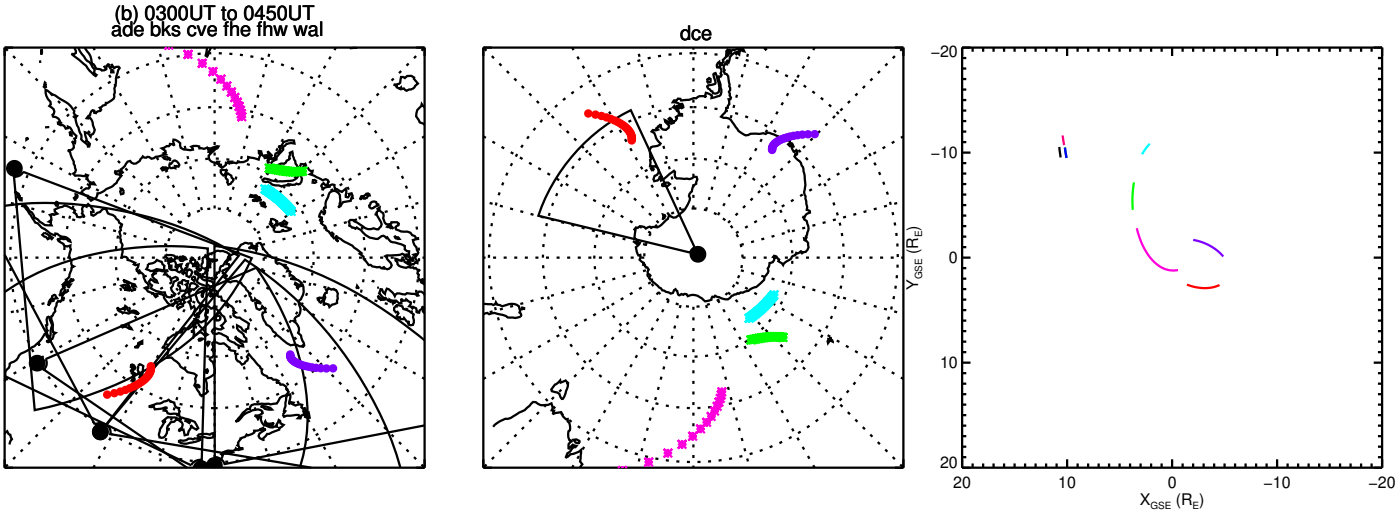
26–Apr–2013

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

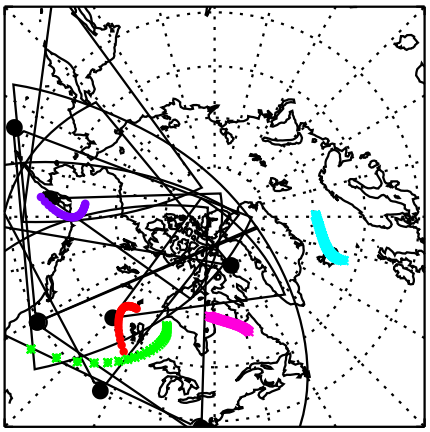




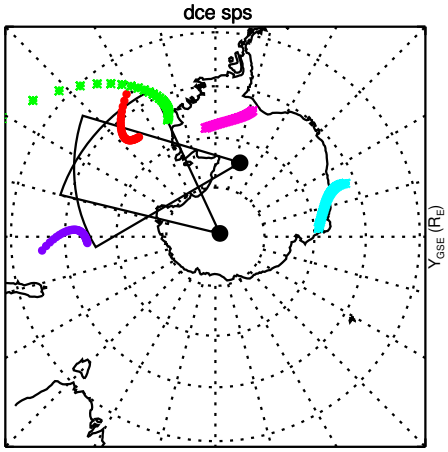


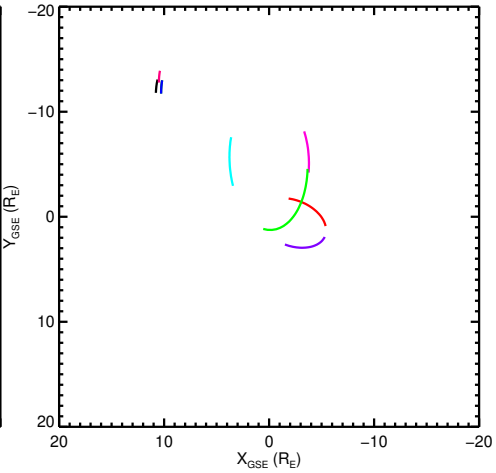


(c) 0700UT to 0955UT
ade bks cly cve cvw fhw hok kod sas

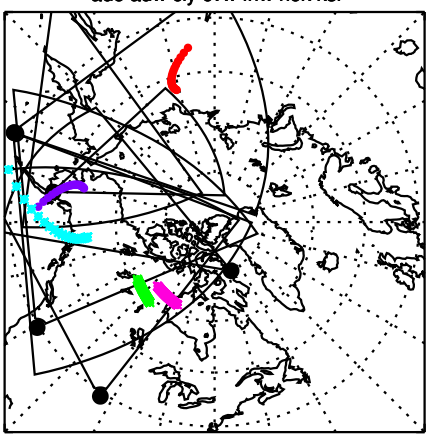


dce sps

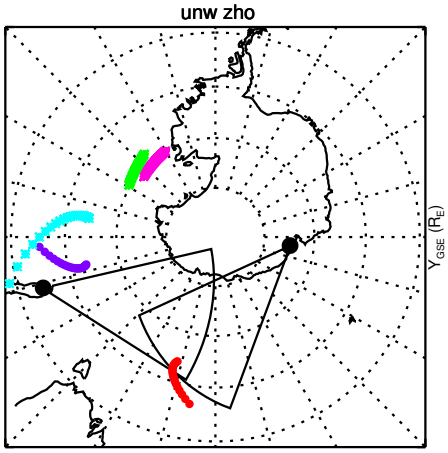


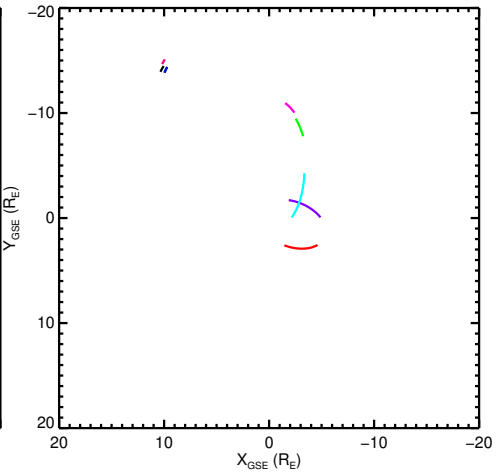


(d) 1200UT to 1355UT
ade adw cly cvw fhw hok ksr

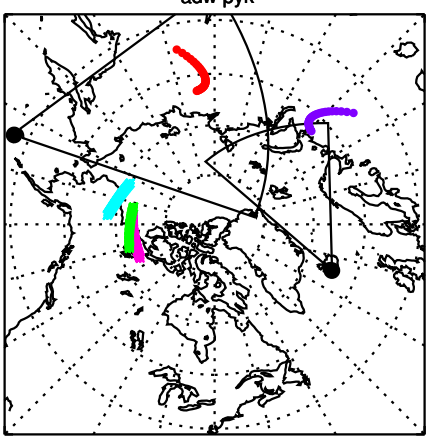


unw zho

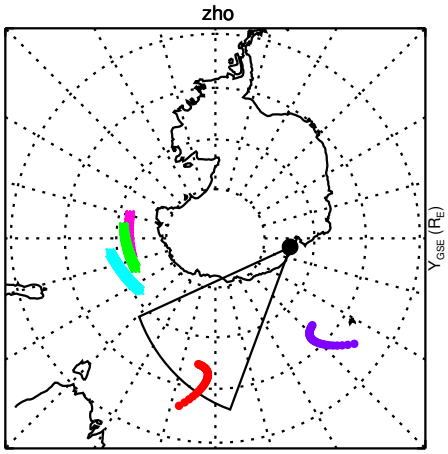


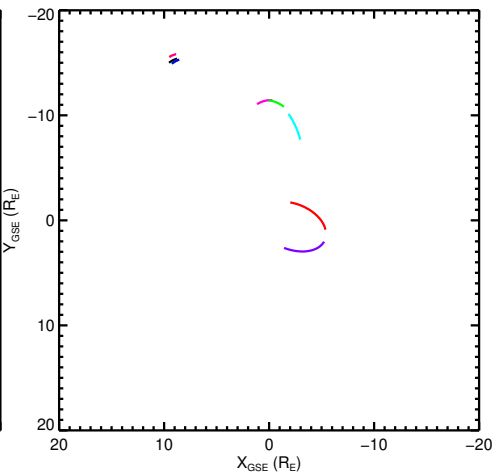


(e) 1600UT to 1850UT
adw pyk

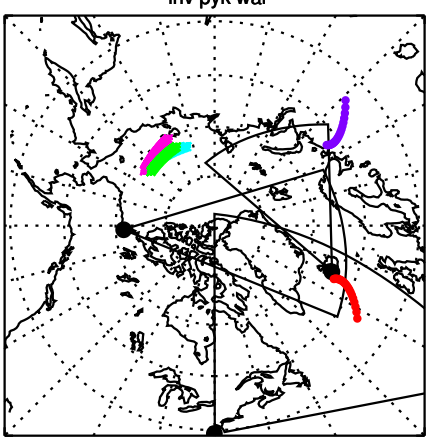


zho

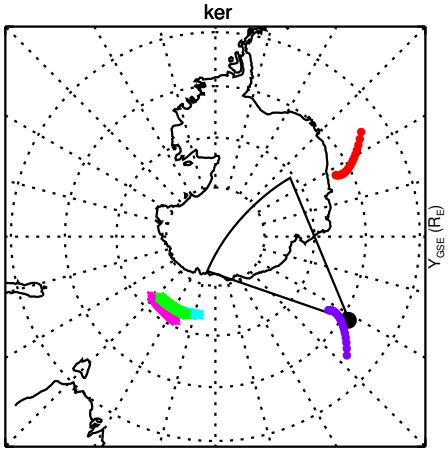


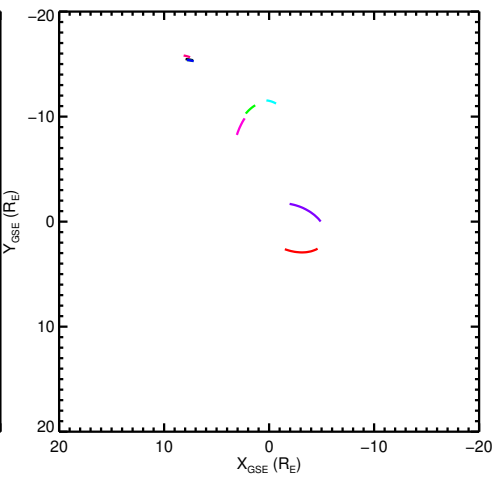


(f) 2100UT to 2255UT
inv pyk wal



ker

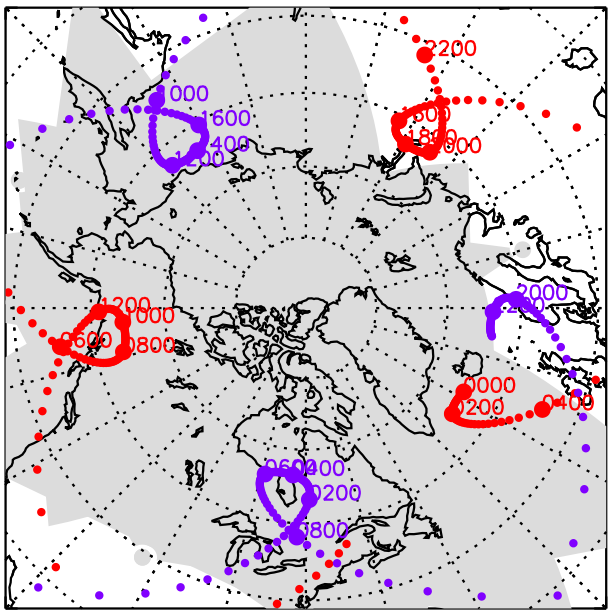


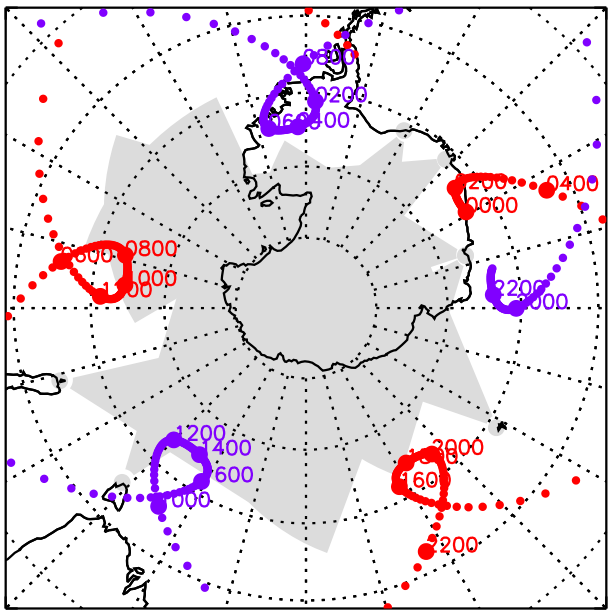


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

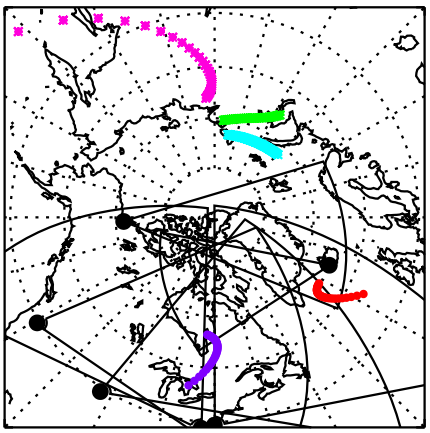
27−Apr−2013

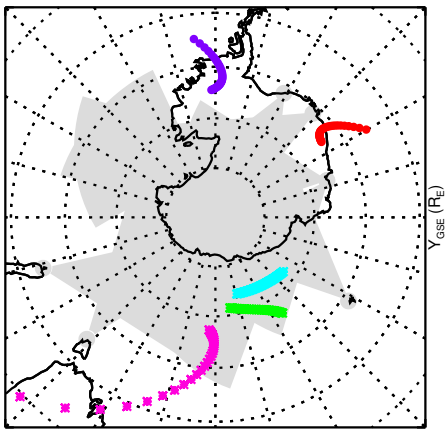
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

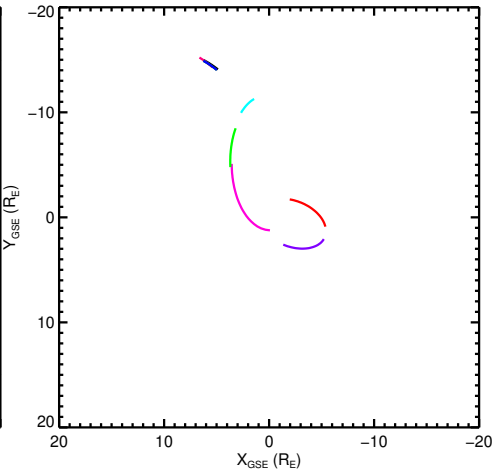




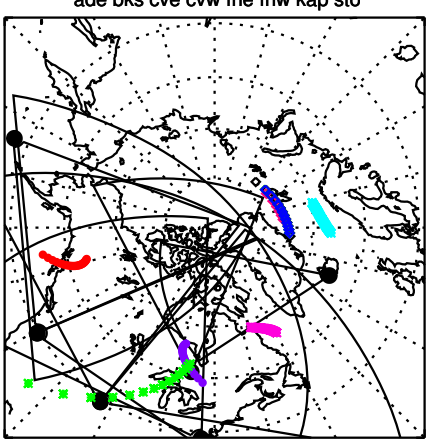
(a) 0100UT to 0350UT
bks cve fhe inv sto wal



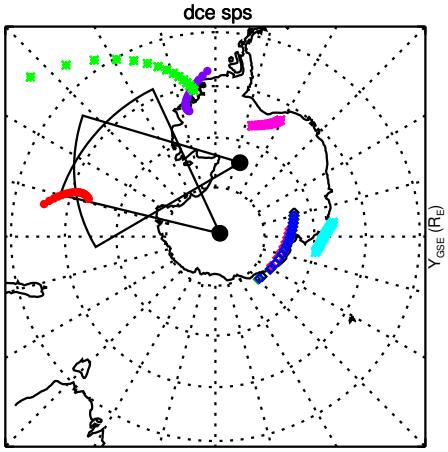


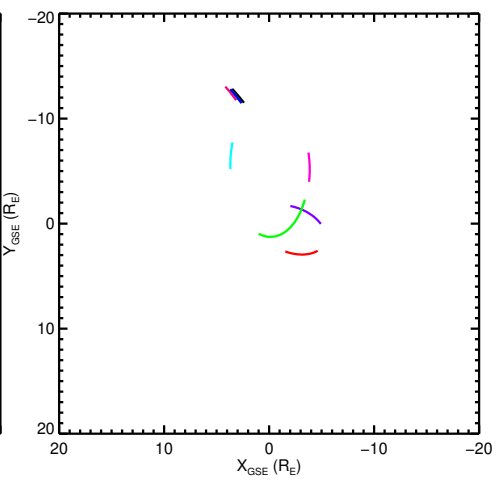


(b) 0600UT to 0755UT
ade bks cve cvw fhe fhw kap sto

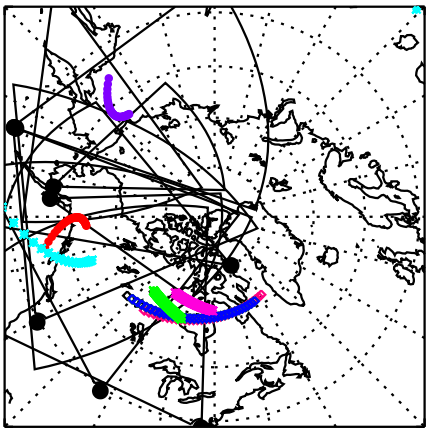


dce sps

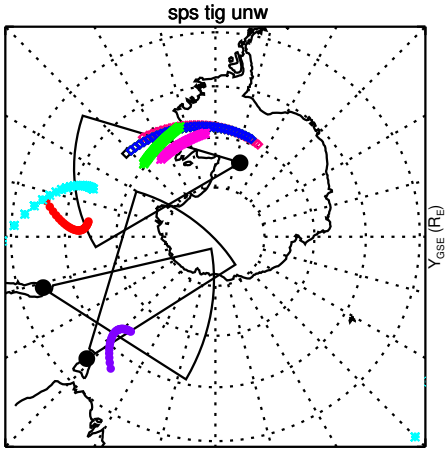


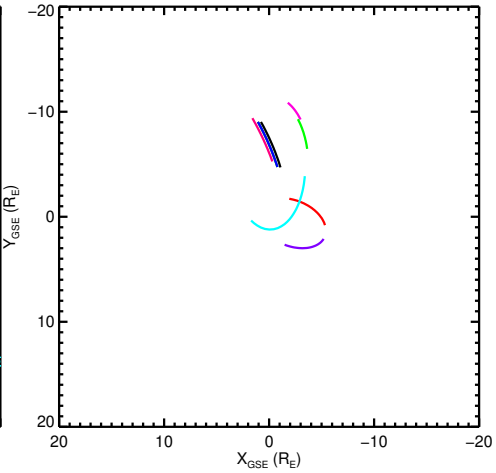


(c) 1005UT to 1250UT
ade adw bks cly cvw fhw hok kod ksr

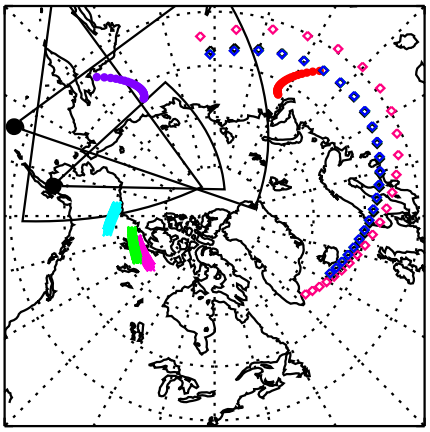


sps tig unw

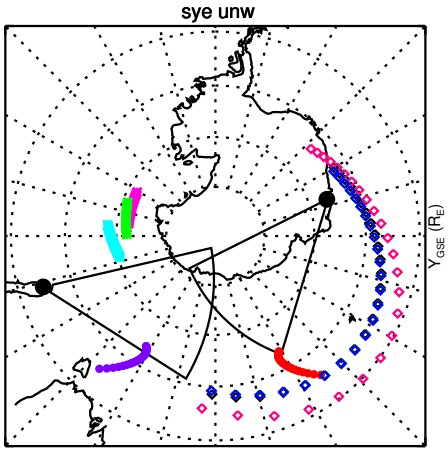


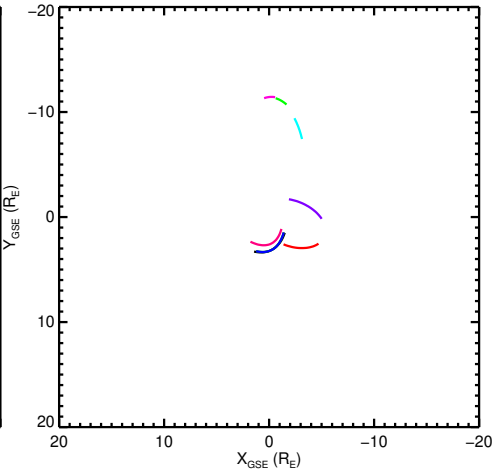


(d) 1455UT to 1700UT
adw hok ksr

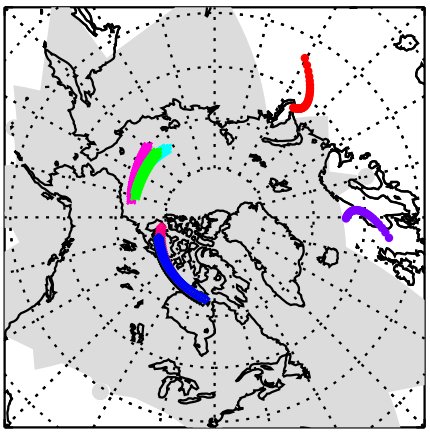


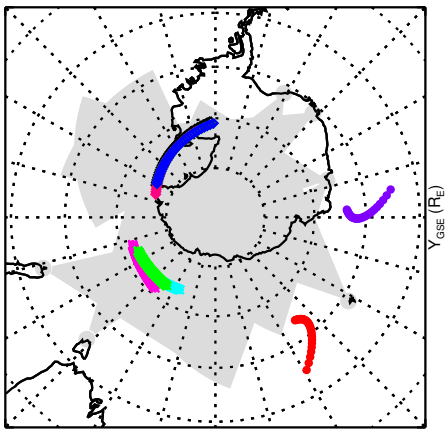
sye unw

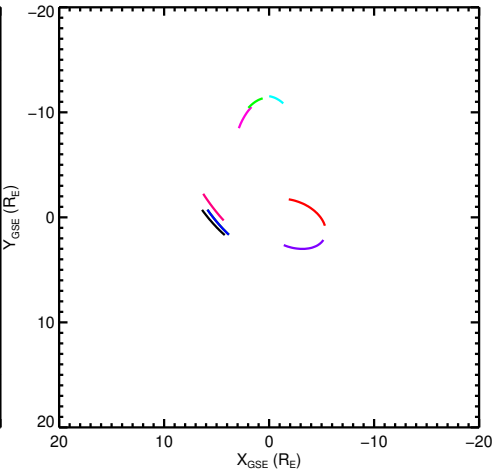




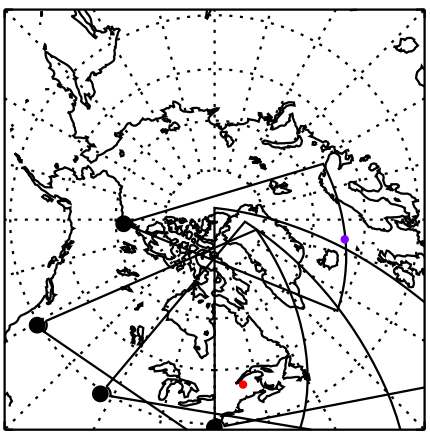
(e) 1905UT to 2150UT

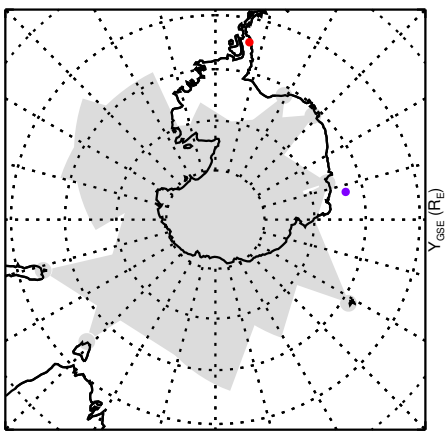


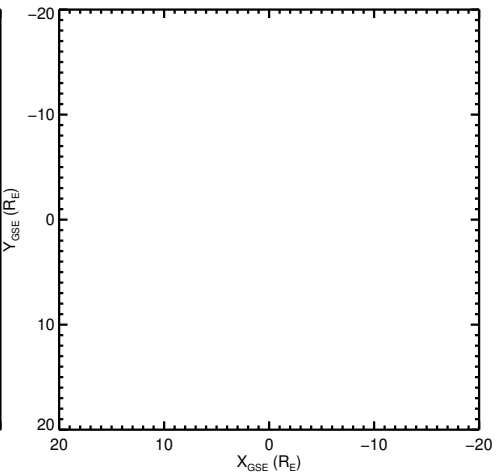




(f) 2355UT to 2355UT
cve fhe inv wal



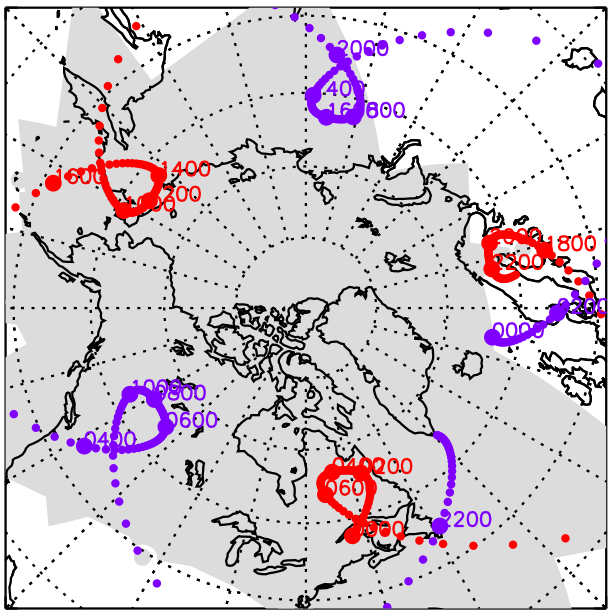


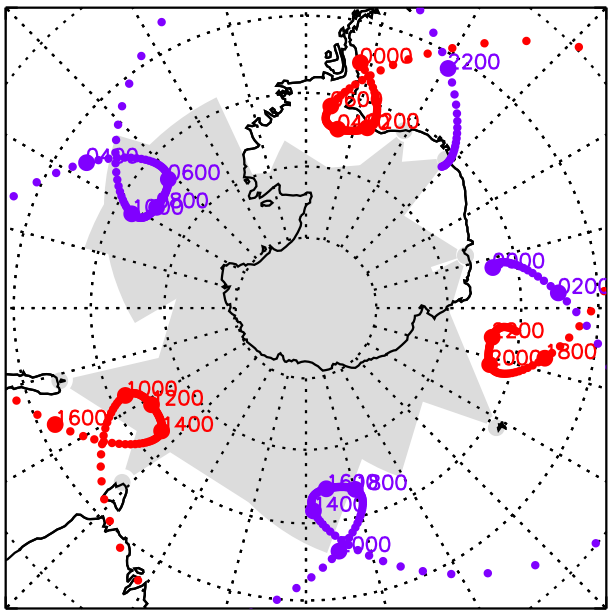


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

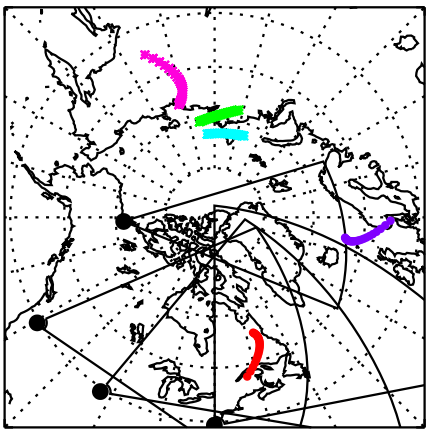
28–Apr–2013

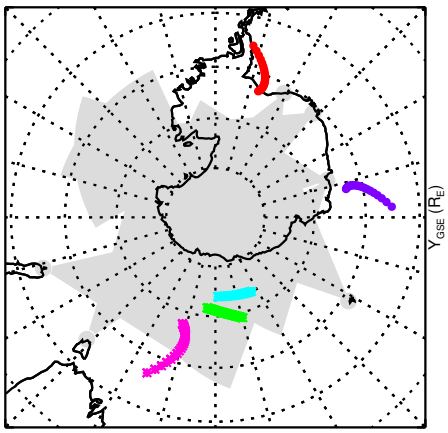
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

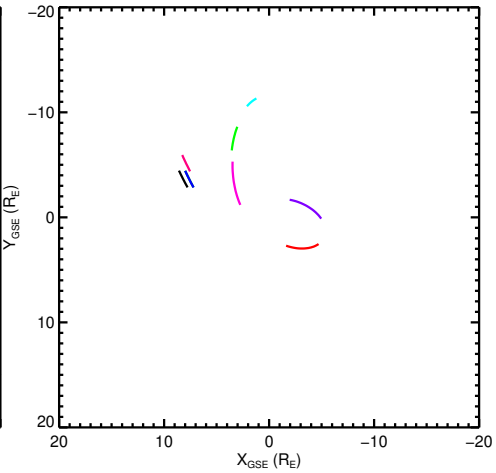




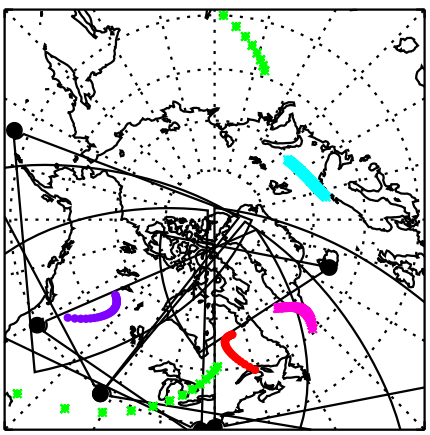
(a) 0000UT to 0200UT
cve fhe inv wal



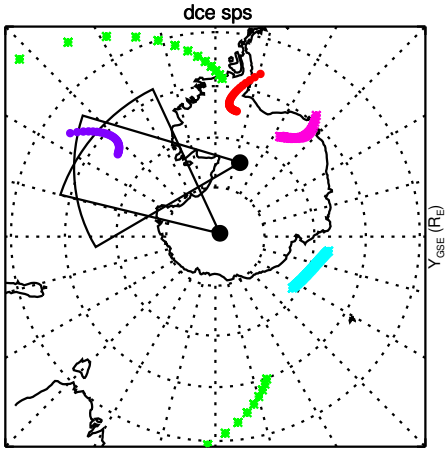


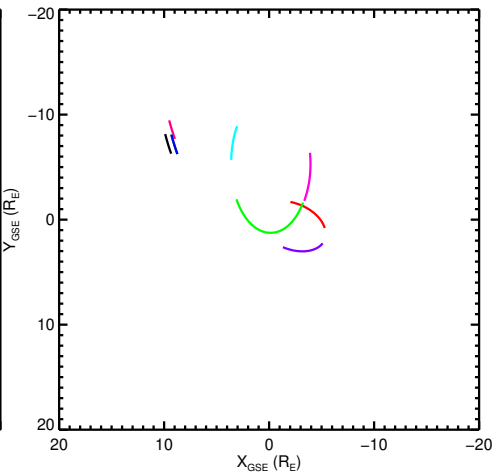


(b) 0405UT to 0645UT
ade bks cve fhe fhw sto wal



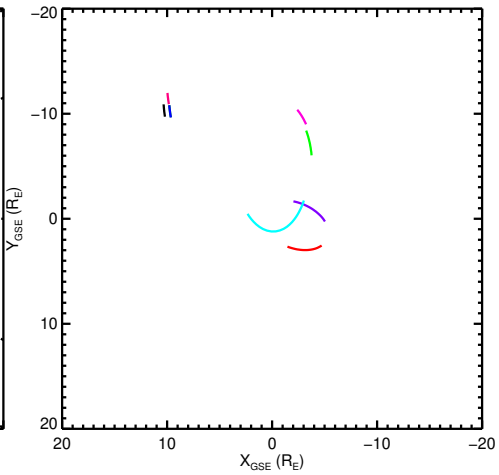
dce sps





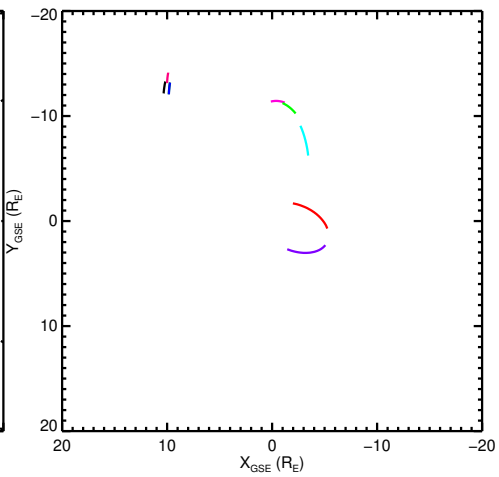
(c) 0855UT to 1100UT
ade adw bks cly cve cvw fhw hok ksr

dce sps unw



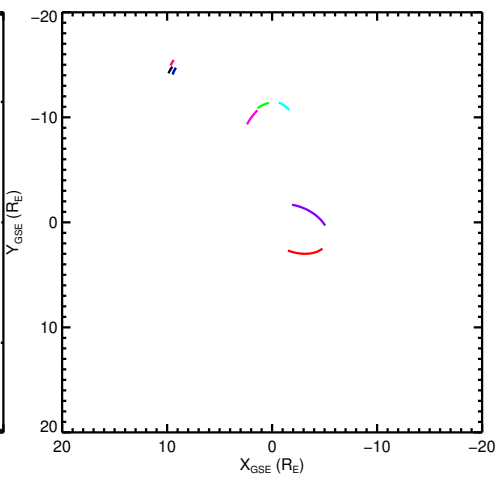
(d) 1310UT to 1545UT
adw cly cvw hok ksr

tig unw zho

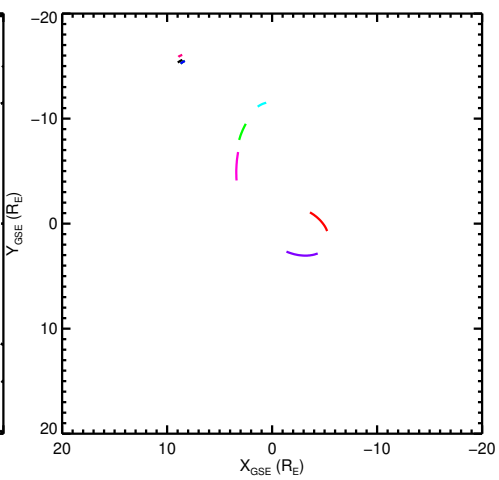


(e) 1755UT to 2005UT
adw han

zho



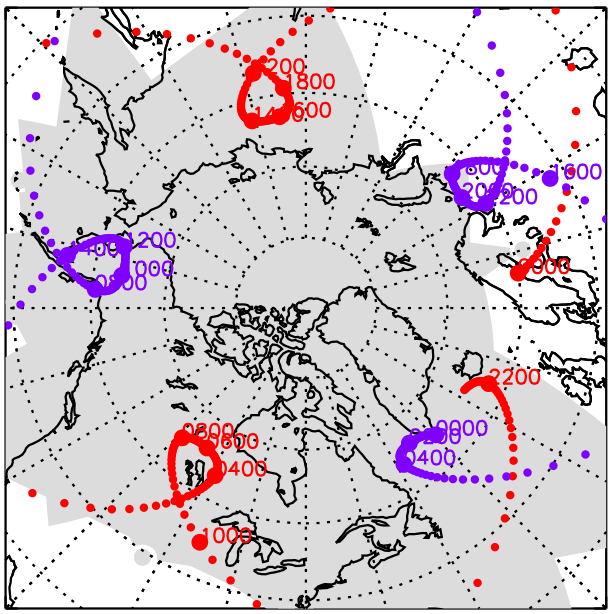
(f) 2210UT to 2355UT
fhe han wal

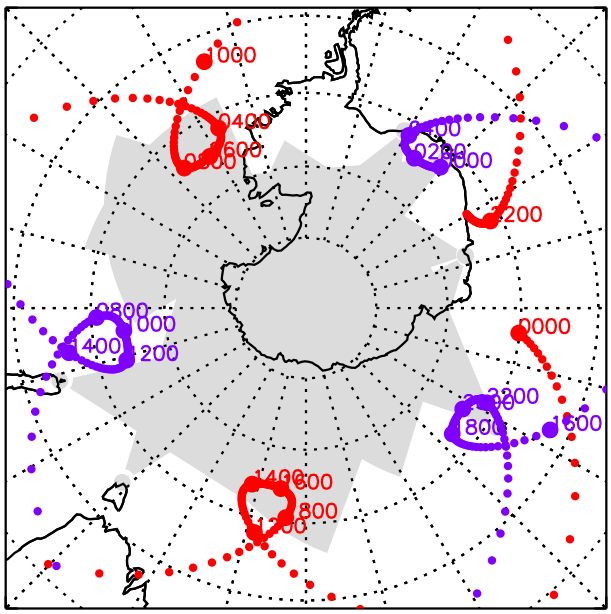


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

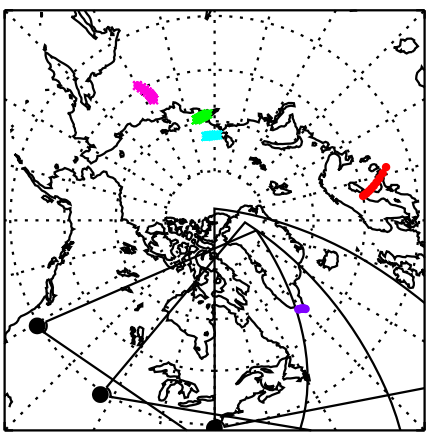
29−Apr−2013

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

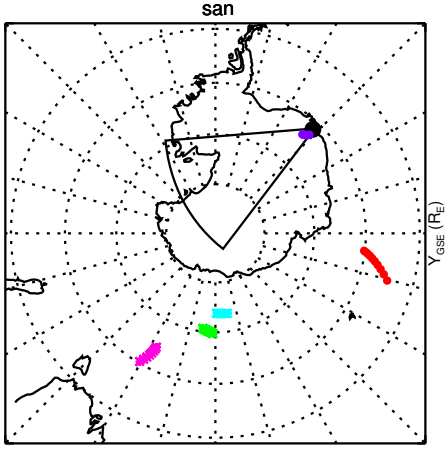


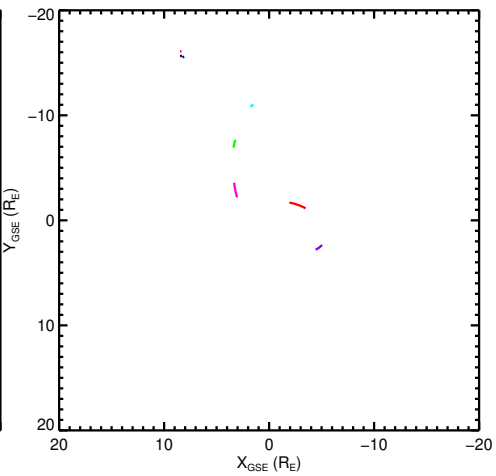


(a) 0000UT to 0045UT
cve fhe wal

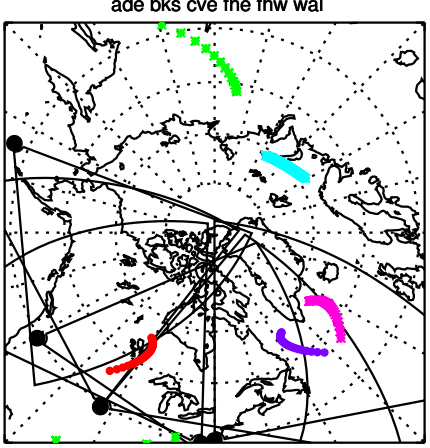


san

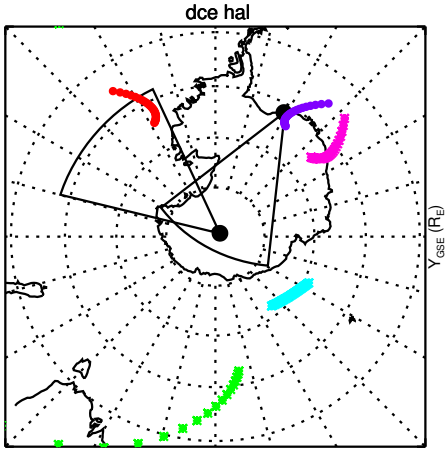


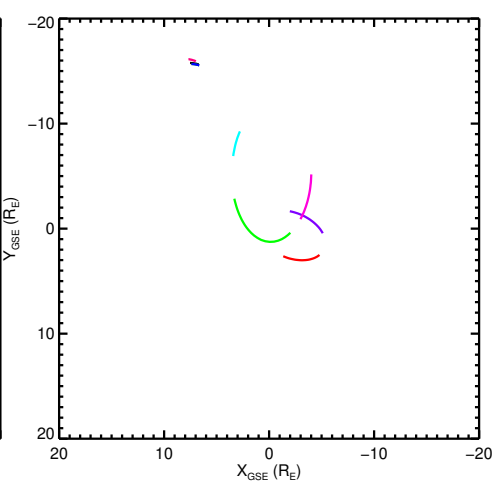


(b) 0250UT to 0505UT
ade bks cve fhe fhw wal



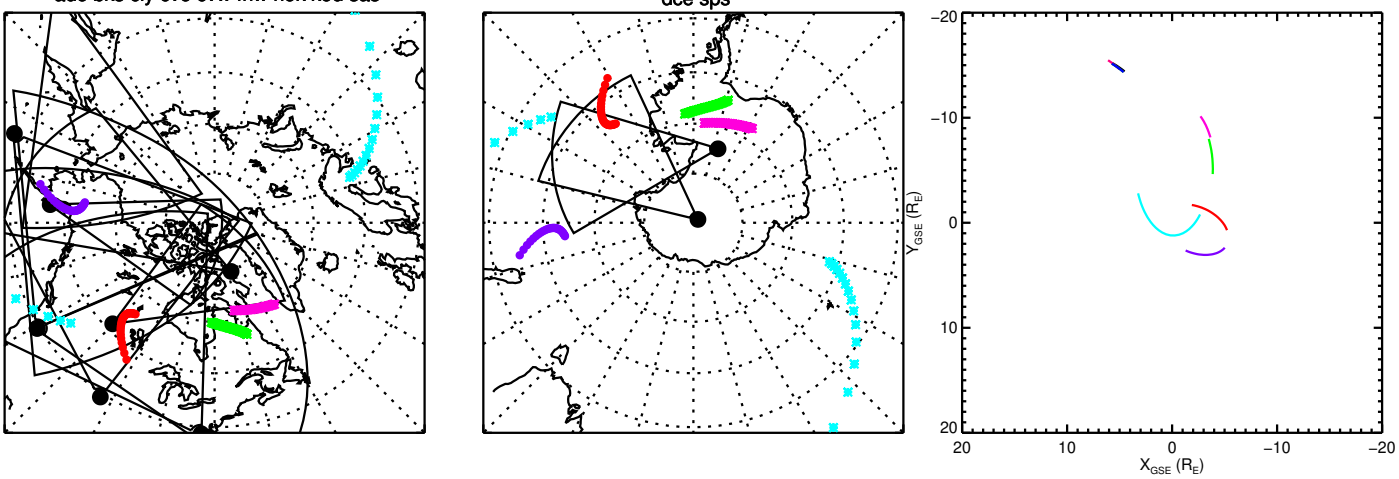
dce hal





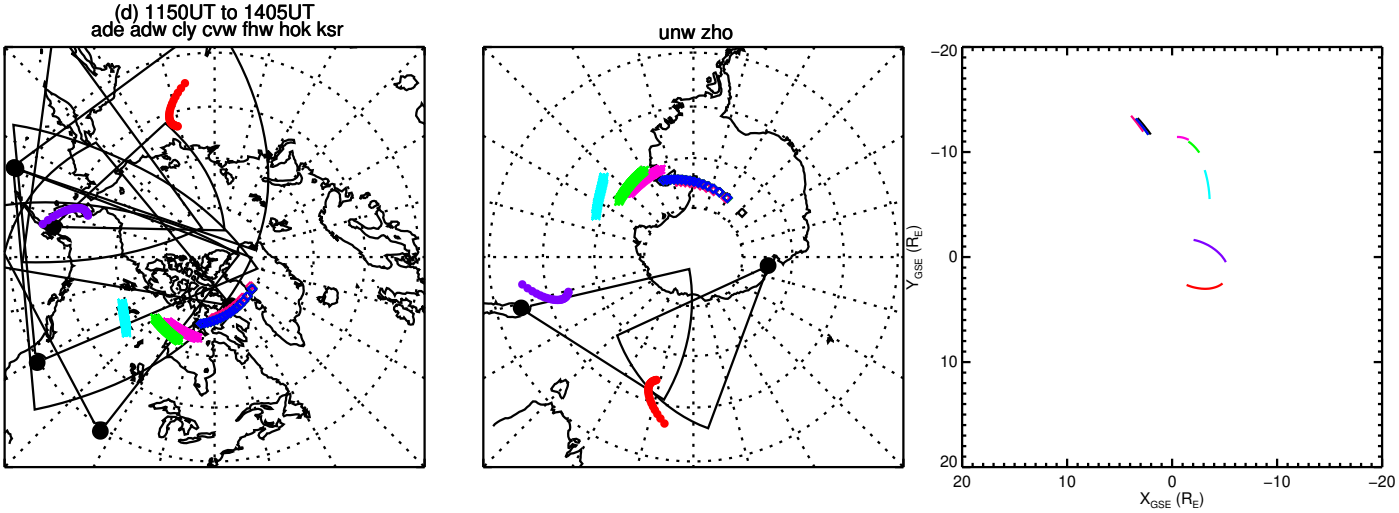
(c) 0710UT to 0945UT
ade bks cly cve cvw fhw hok kod sas

dce sps



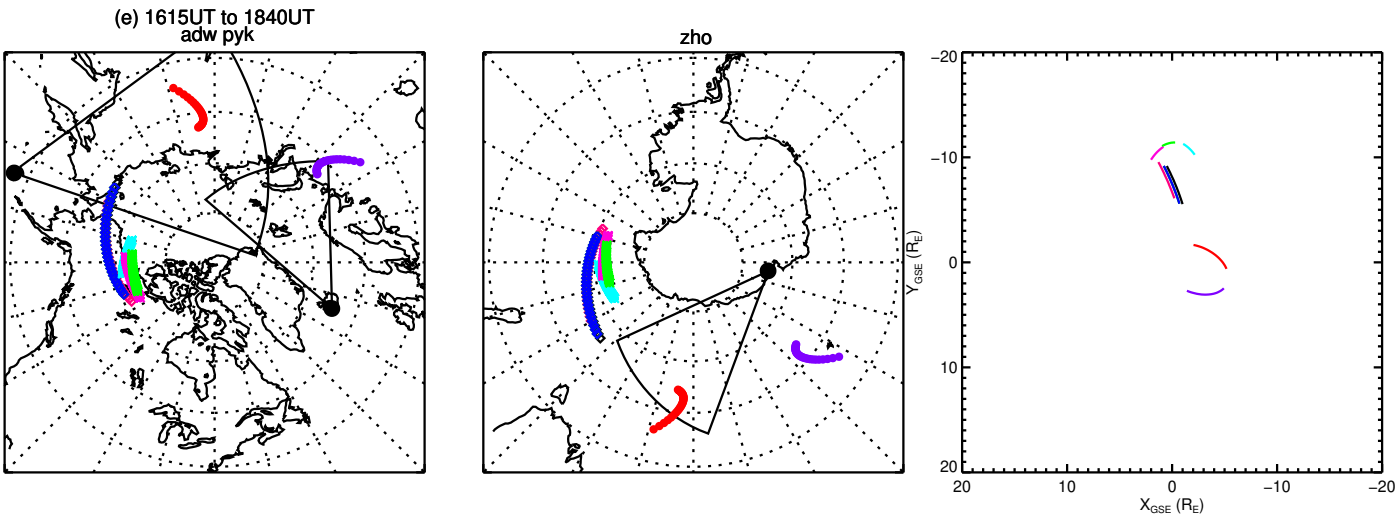
(d) 1150UT to 1405UT
ade adw cly cvw fhw hok ksr

unw zho



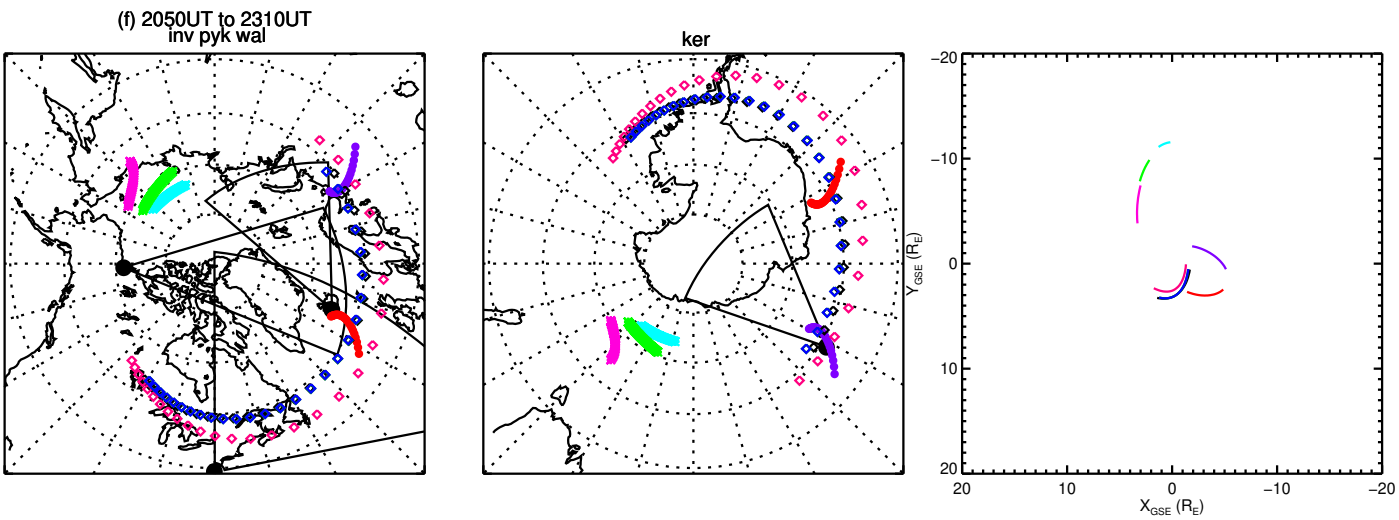
(e) 1615UT to 1840UT
adw pyk

zho



(f) 2050UT to 2310UT
inv pyk wal

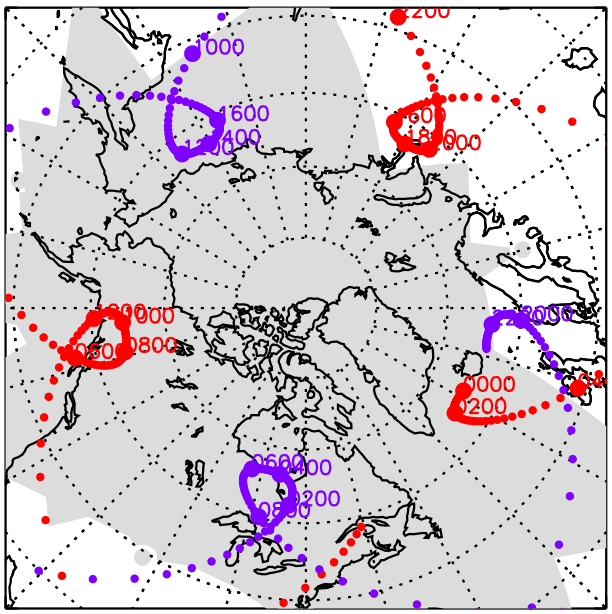
ker

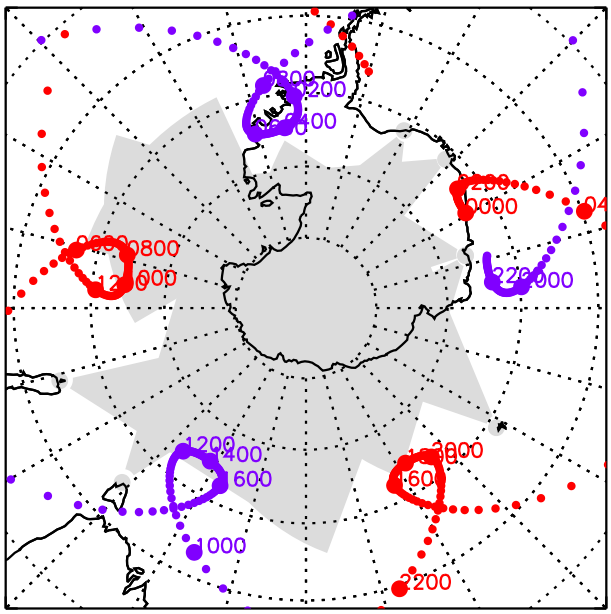


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

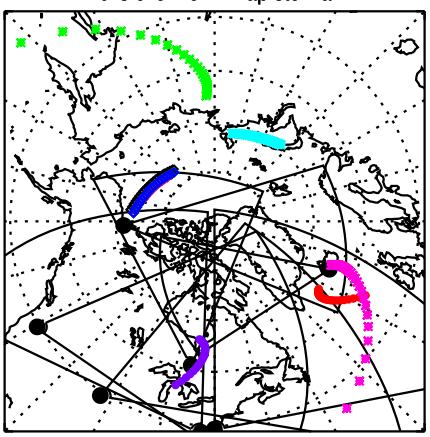
30−Apr−2013

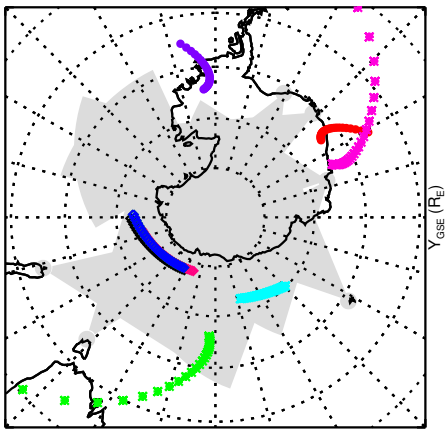
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

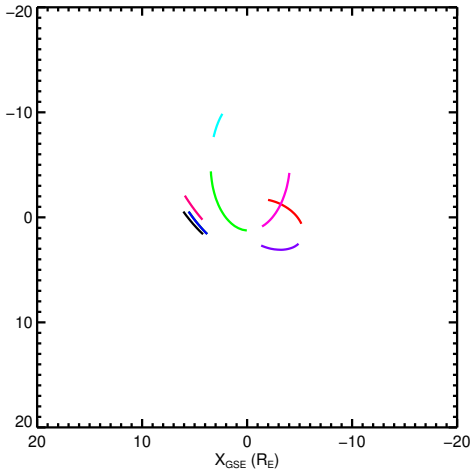




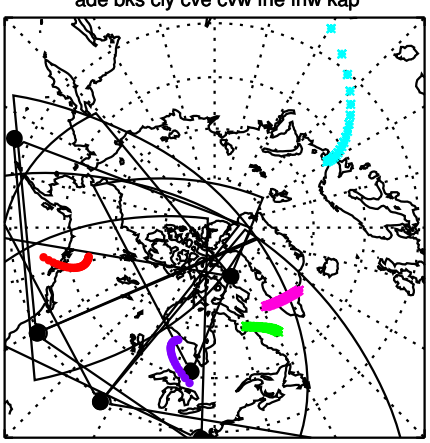
(a) 0115UT to 0340UT
bks cve fhe inv kap sto wal



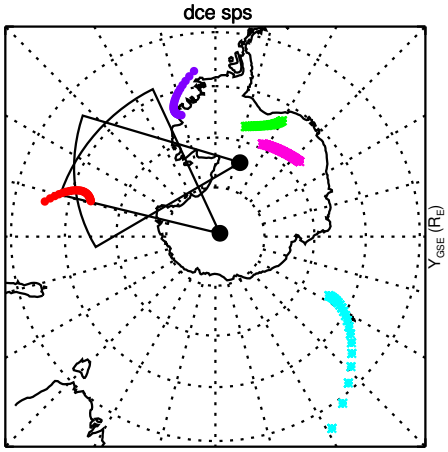


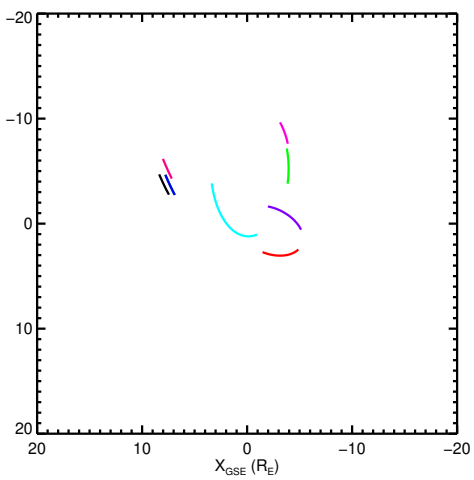


(b) 0550UT to 0810UT
ade bks cly cve cvw fhe fhw kap

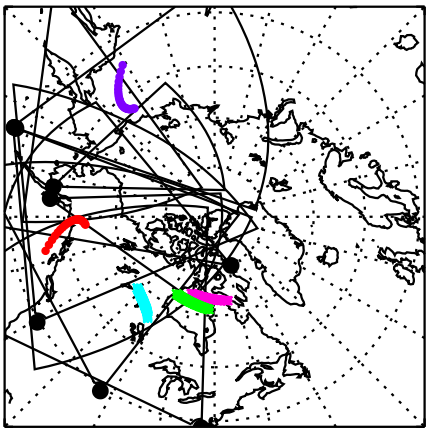


dce sps

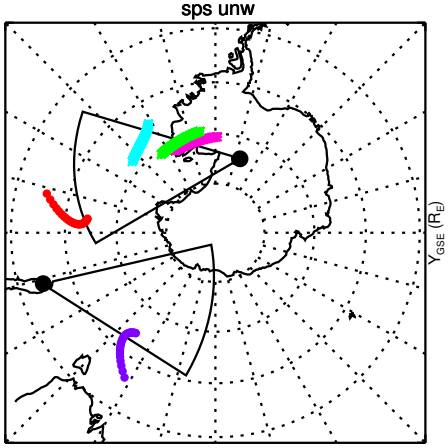


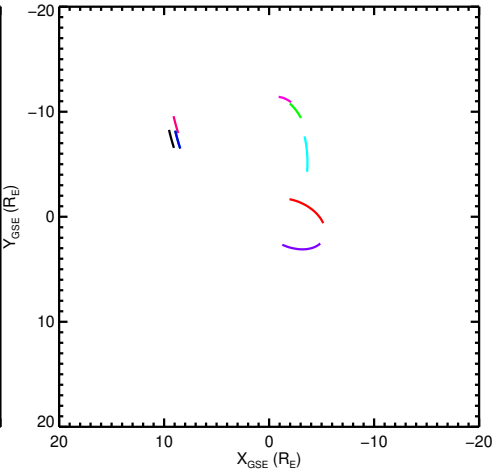


(c) 1015UT to 1240UT
ade adw bks cly cvw fhw hok kod ksr

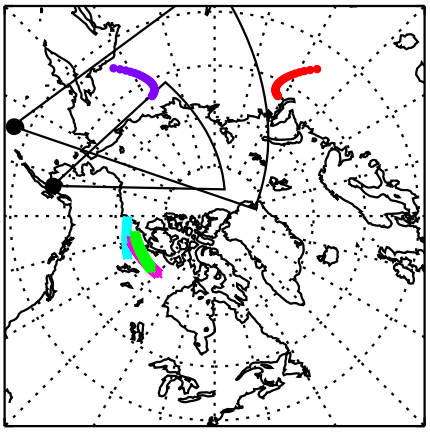


sps unw

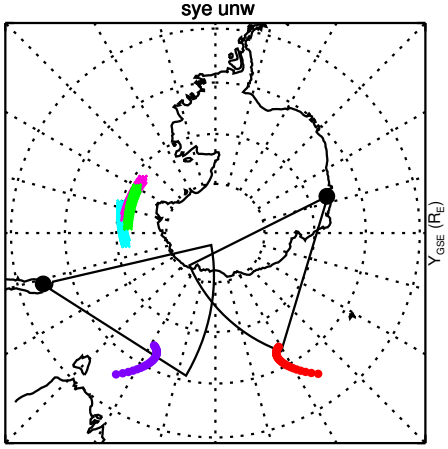


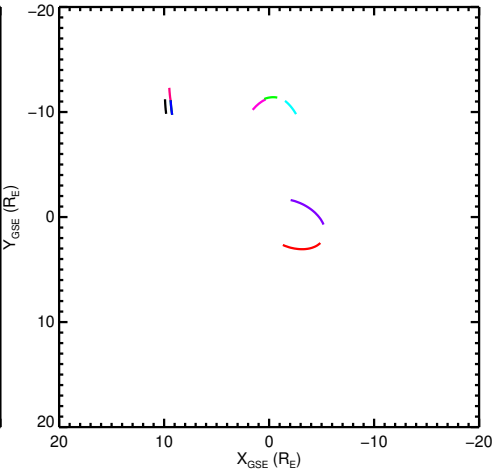


(d) 1445UT to 1710UT
adw ksr

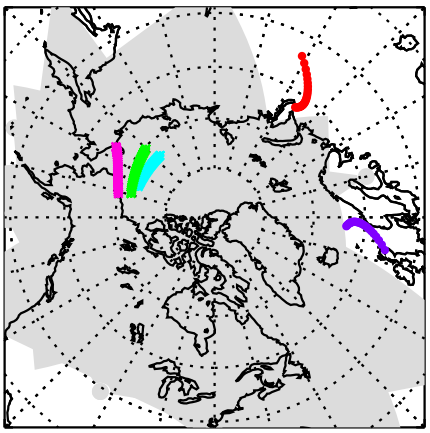


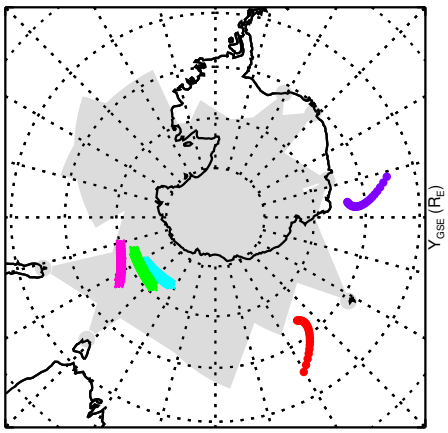
sye unw

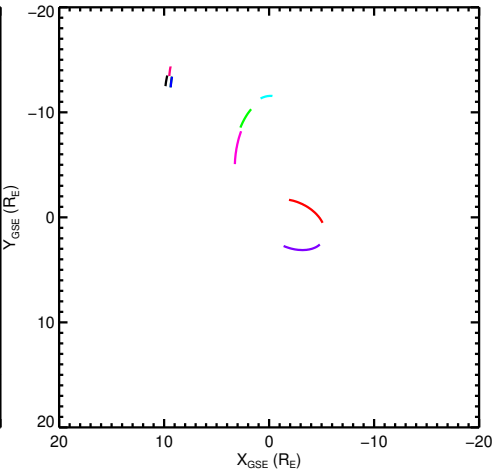
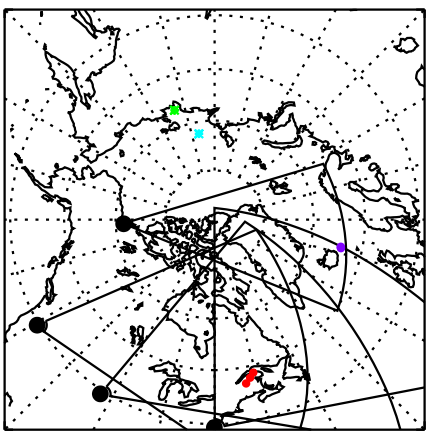
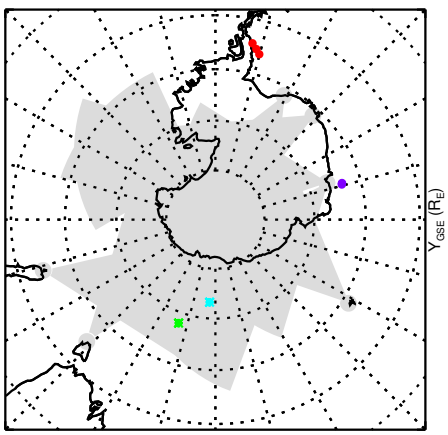
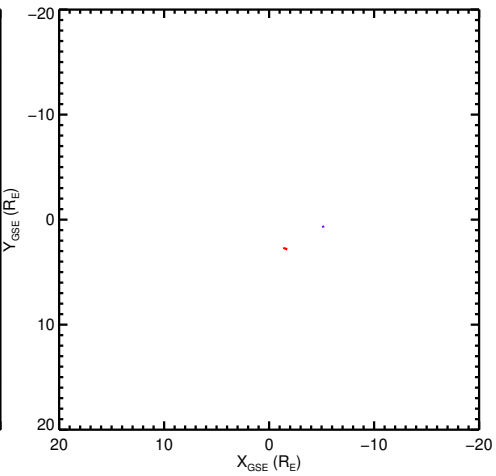




(e) 1920UT to 2140UT







(f) 2345UT to 2355UT
cve fhe inv wal