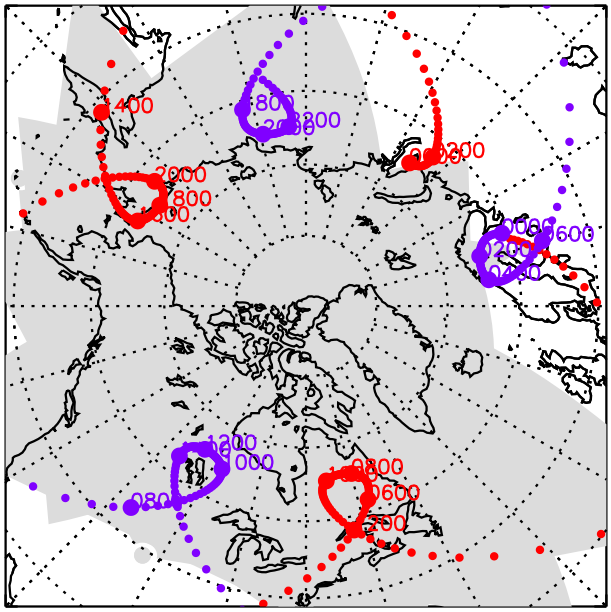
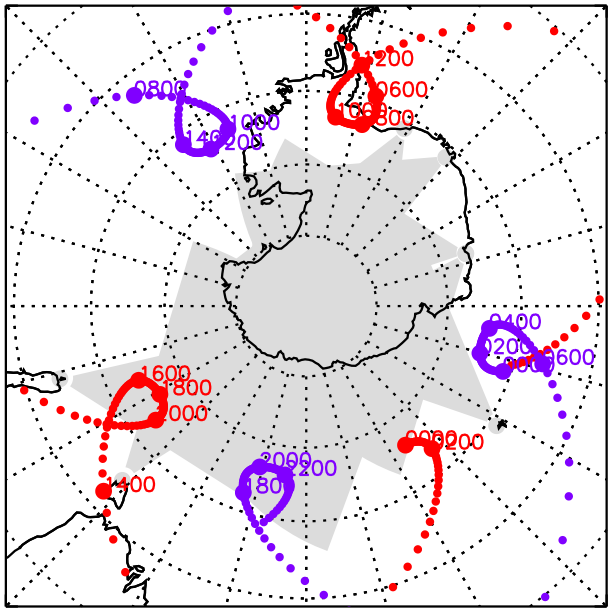
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

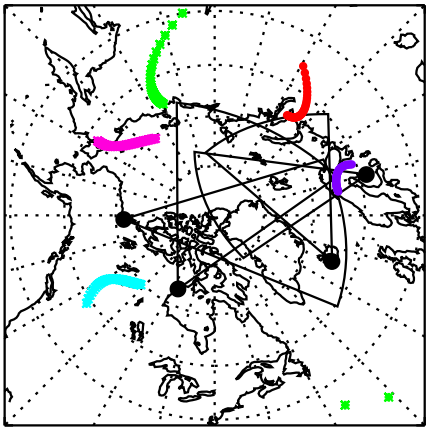
01−Dec−2012

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

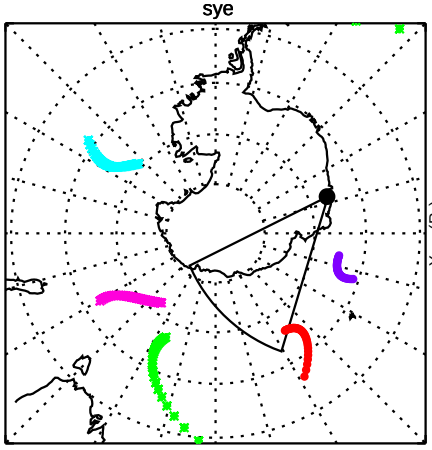


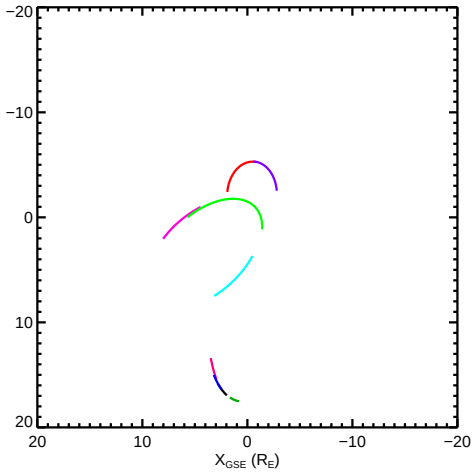


(a) 0000UT to 0310UT
han inv pyk rkn

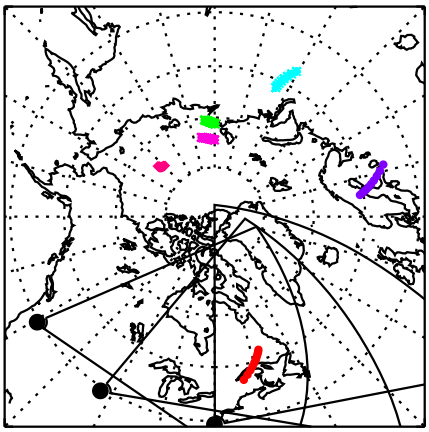


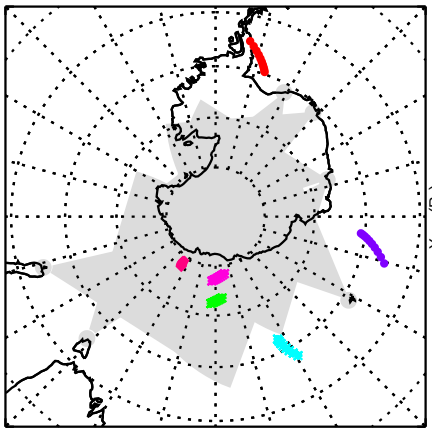
sye

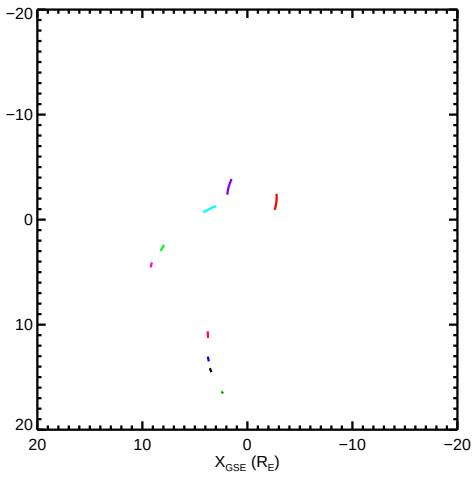




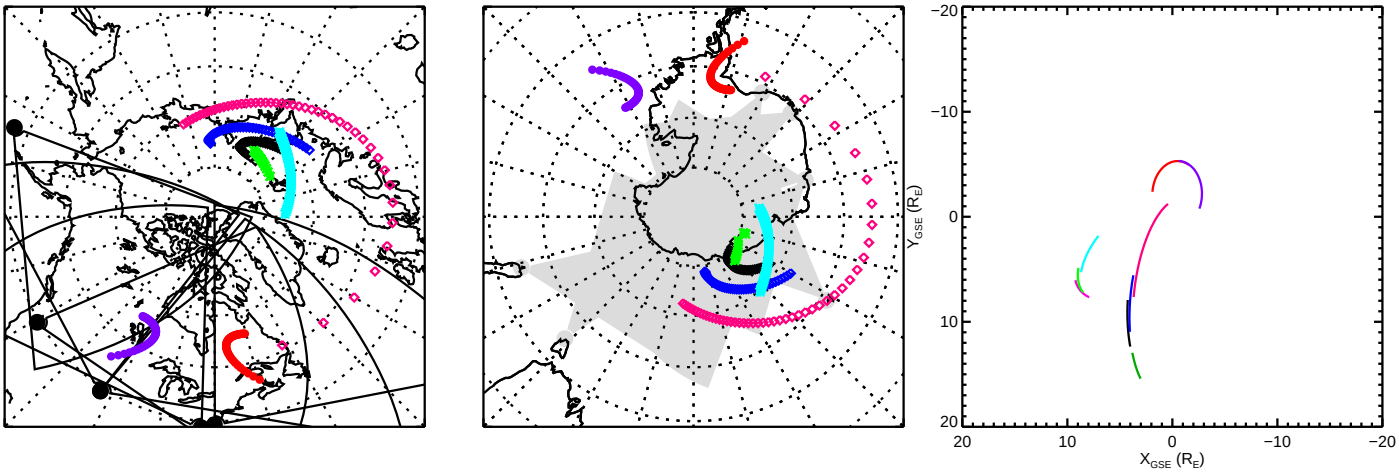
(b) 0520UT to 0605UT
cve fhe wal





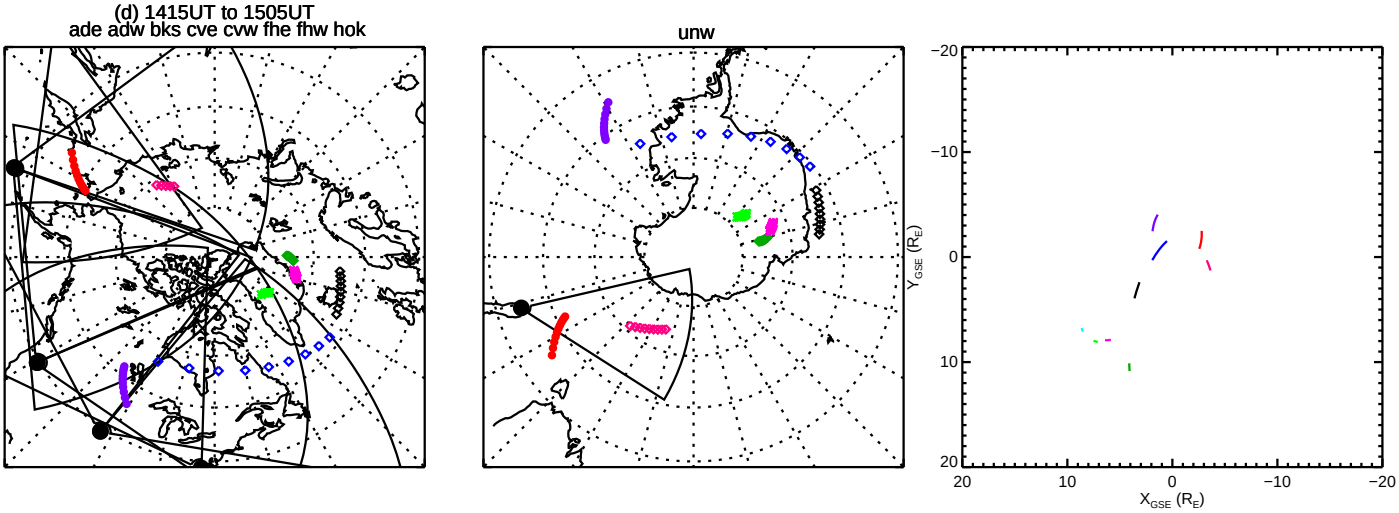


(c) 0810UT to 1210UT
ade bks cve fhe fhw wal



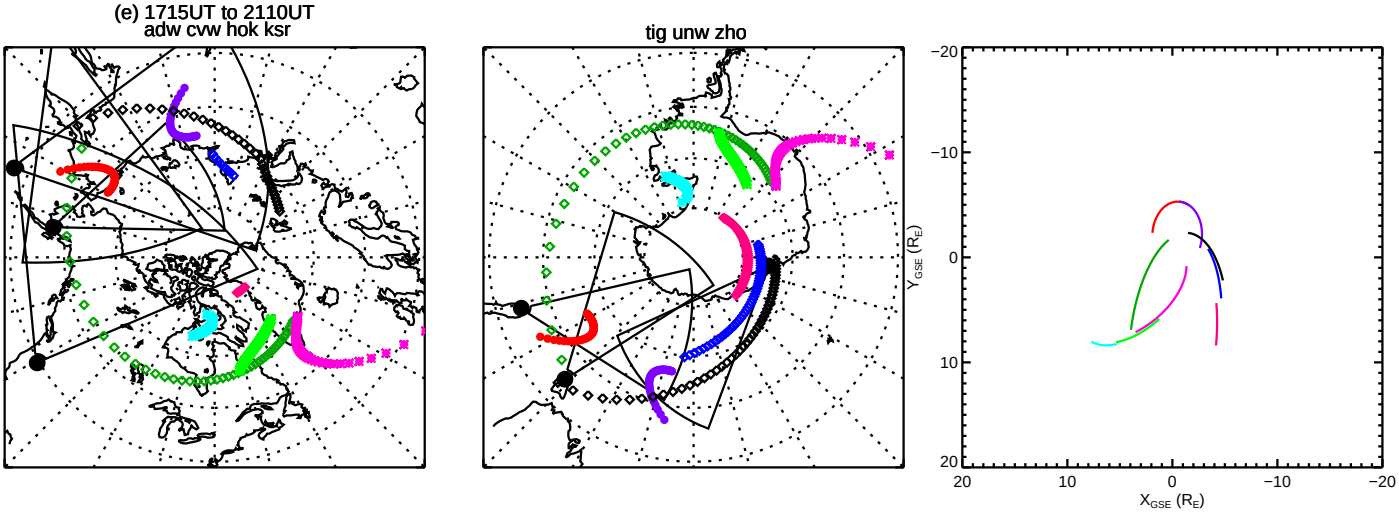
(d) 1415UT to 1505UT
ade adw bks cve cvw fhe fhw hok

unw



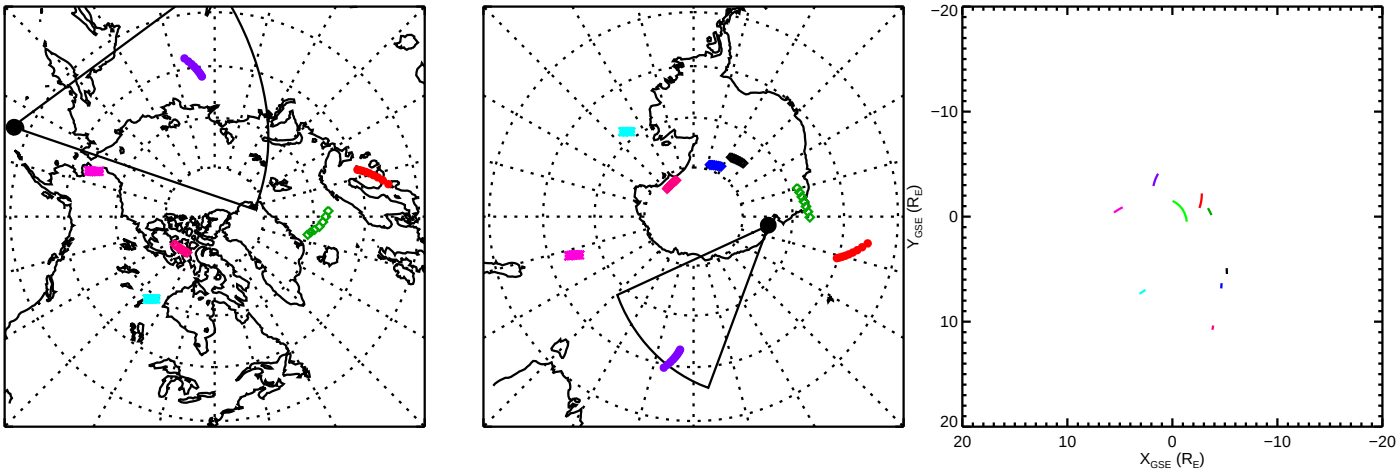
(e) 1715UT to 2110UT
adw cvw hok ksr

tig unw zho



(f) 2315UT to 2355UT
adw

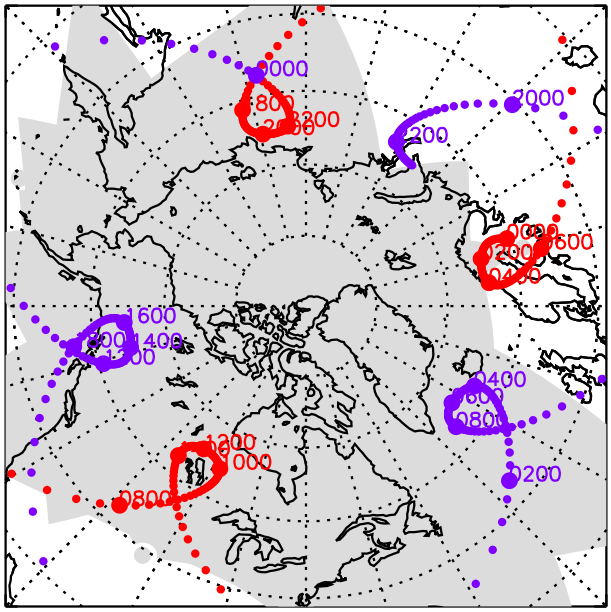
zho

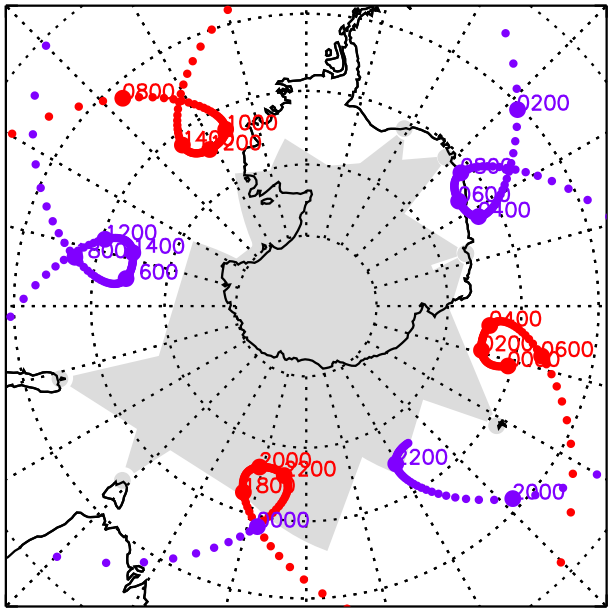


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

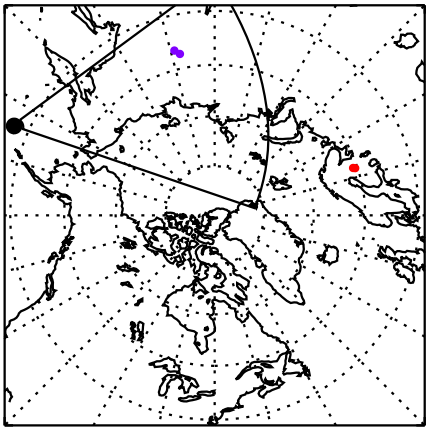
02−Dec−2012

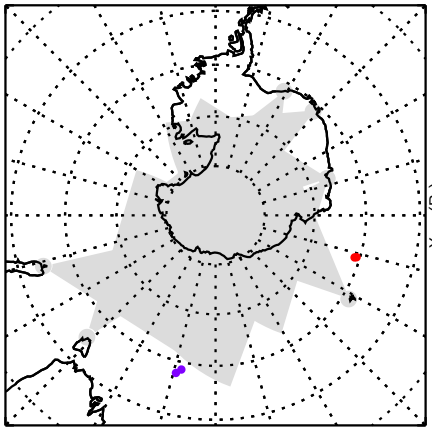
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > $3R_E$. Also with: C1 C2 C3 C4 THA THD THE

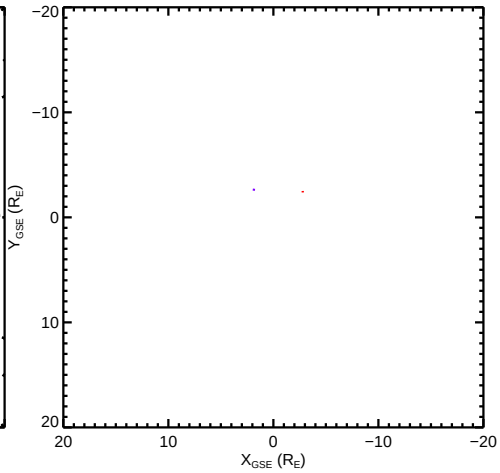




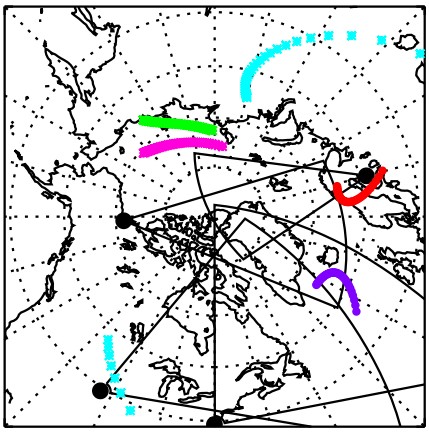
(a) 0000UT to 0005UT
adw

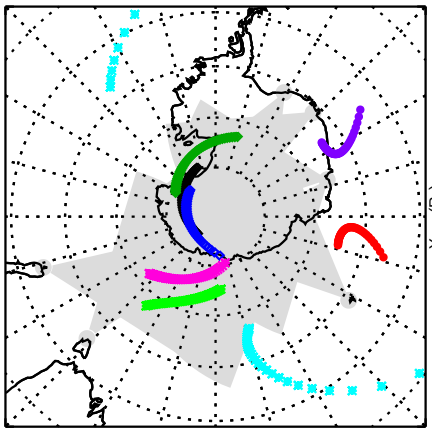


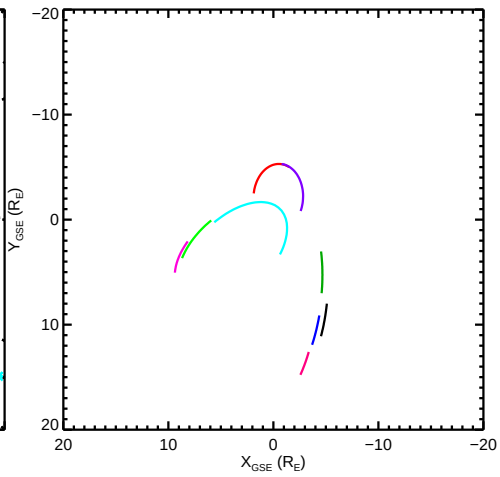




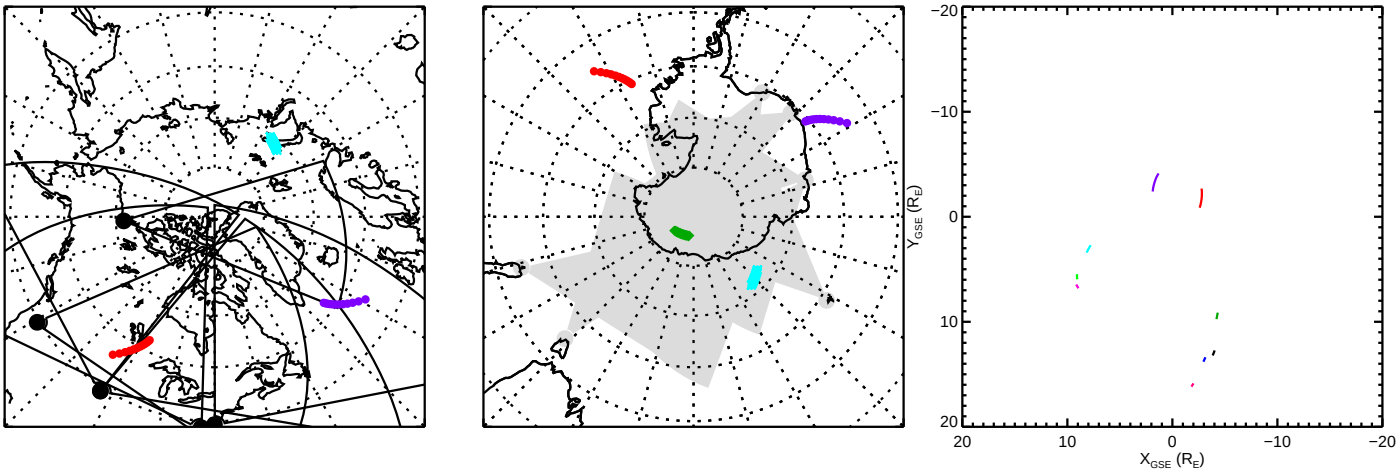
(b) 0215UT to 0605UT
fhe han inv wal



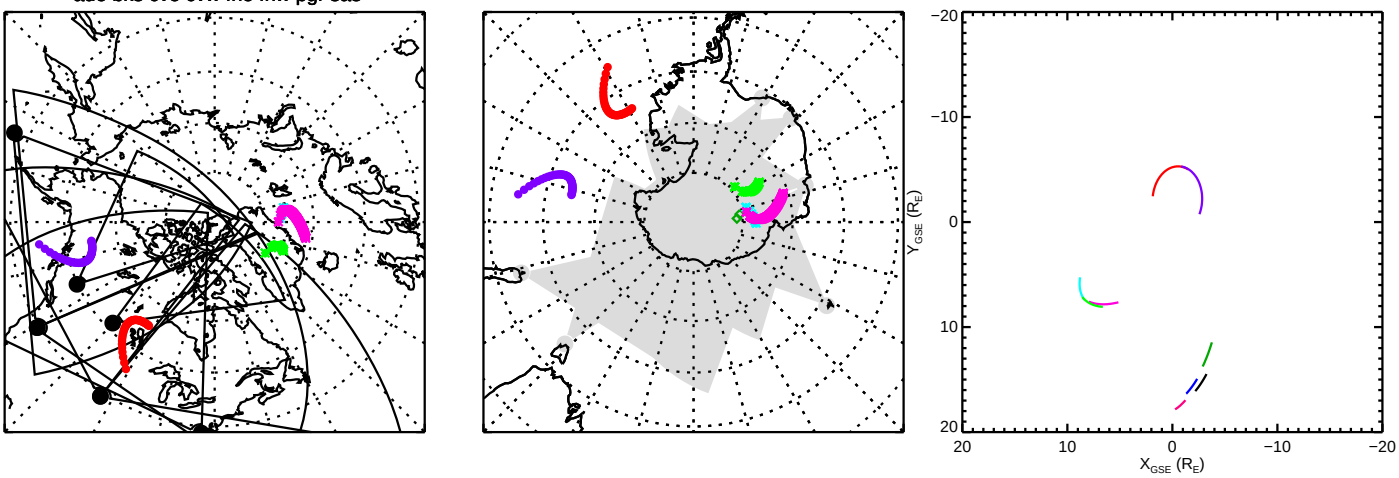




(c) 0815UT to 0910UT
bks cve fhe fhw inv wal

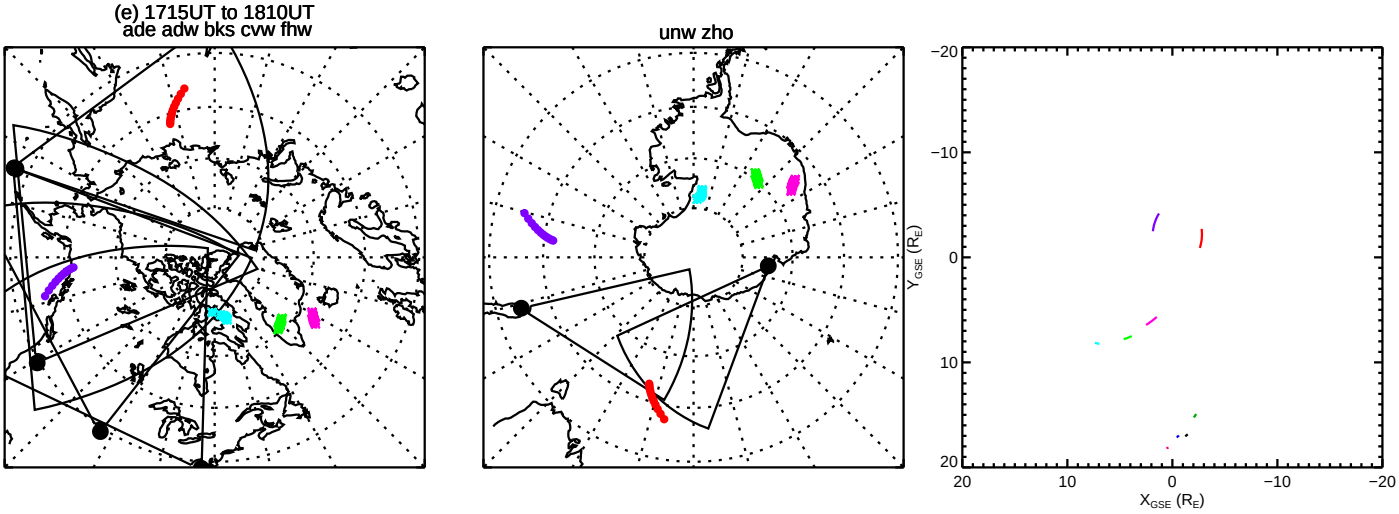


(d) 1115UT to 1505UT
ade bks cve cvw fhe fhw pgr sas



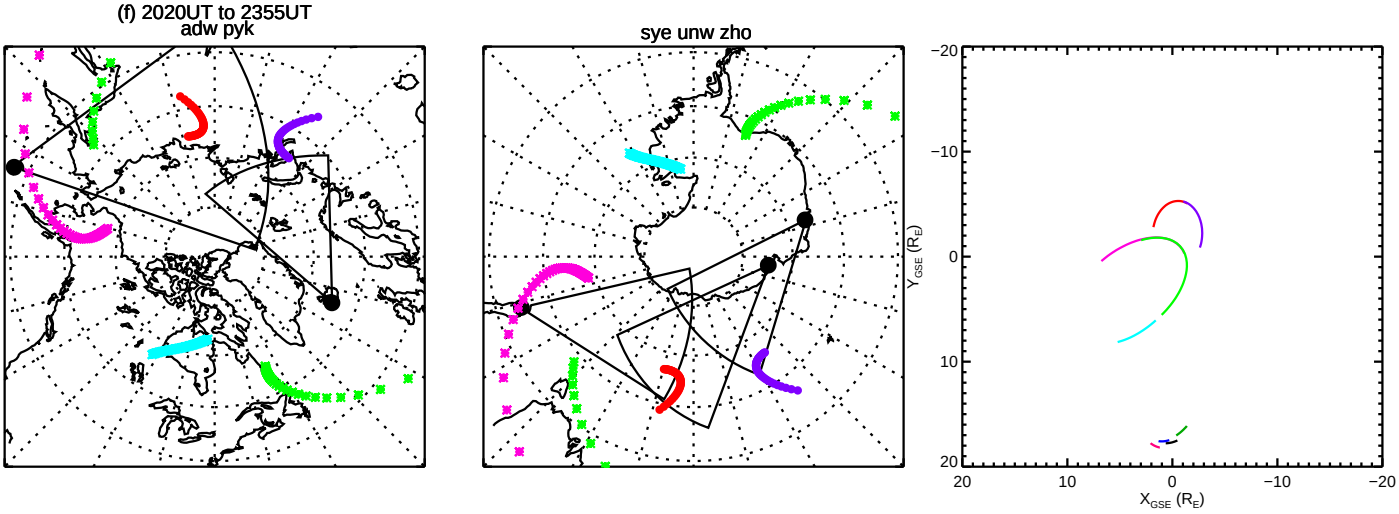
(e) 1715UT to 1810UT
ade adw bks cvw fhw

unw zho



(f) 2020UT to 2355UT
adw pyk

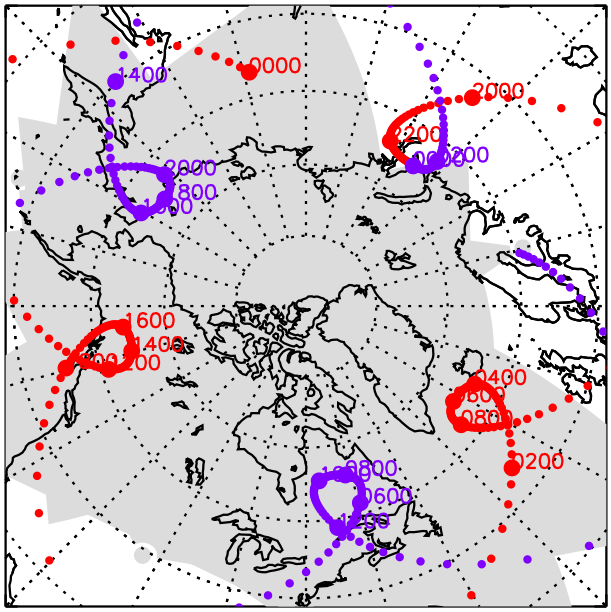
sye unw zho

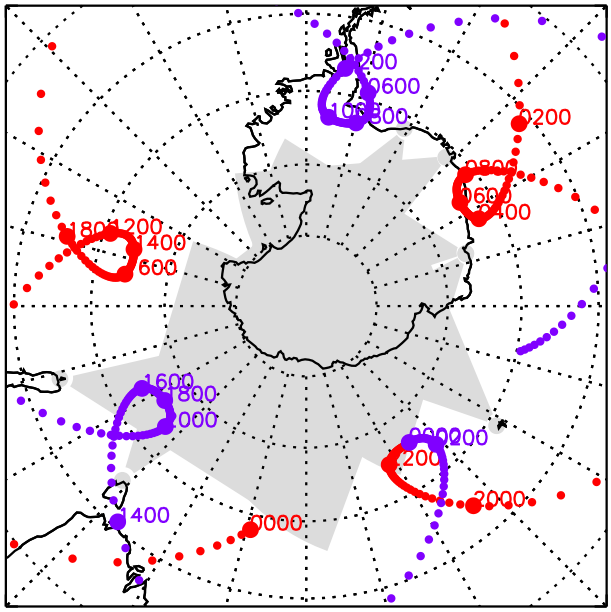


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

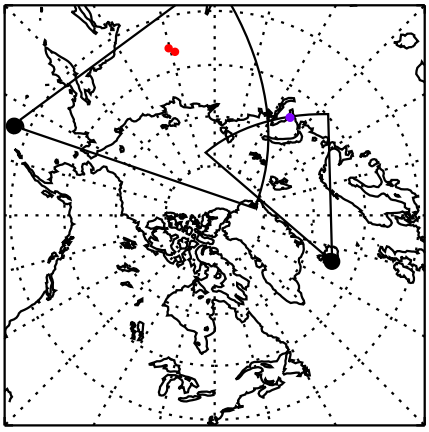
03−Dec−2012

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

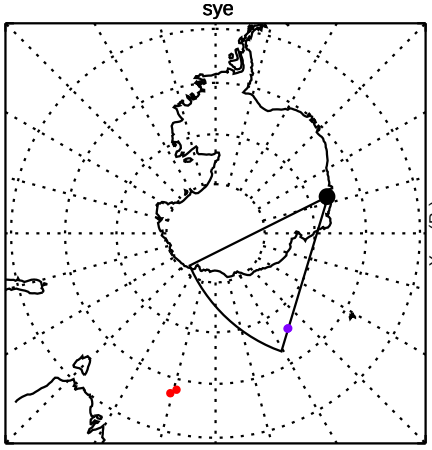


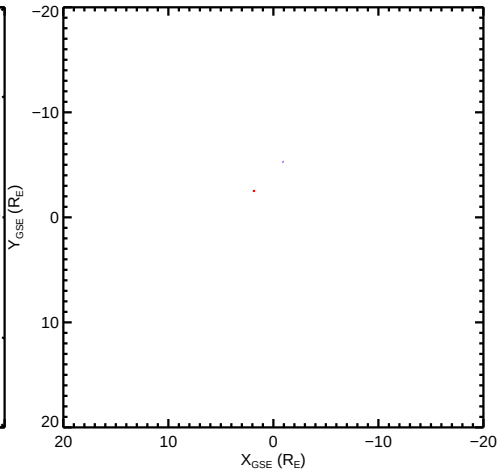


(a) 0000UT to 0005UT
adw pyk

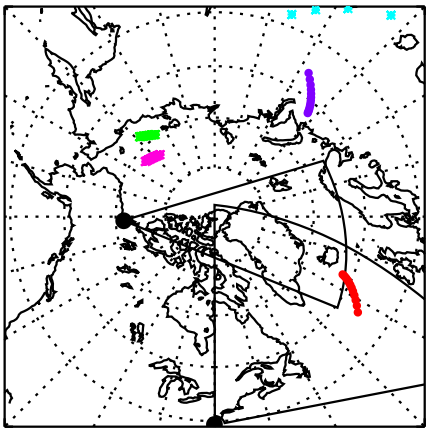


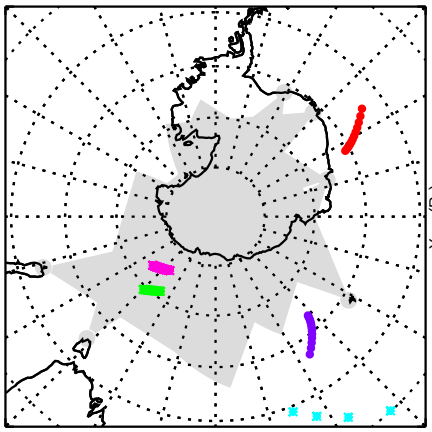
sye

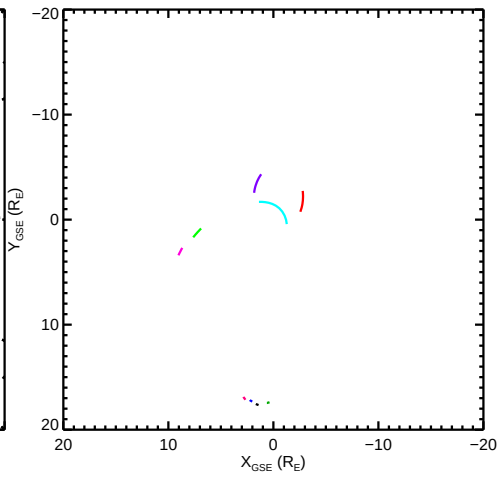




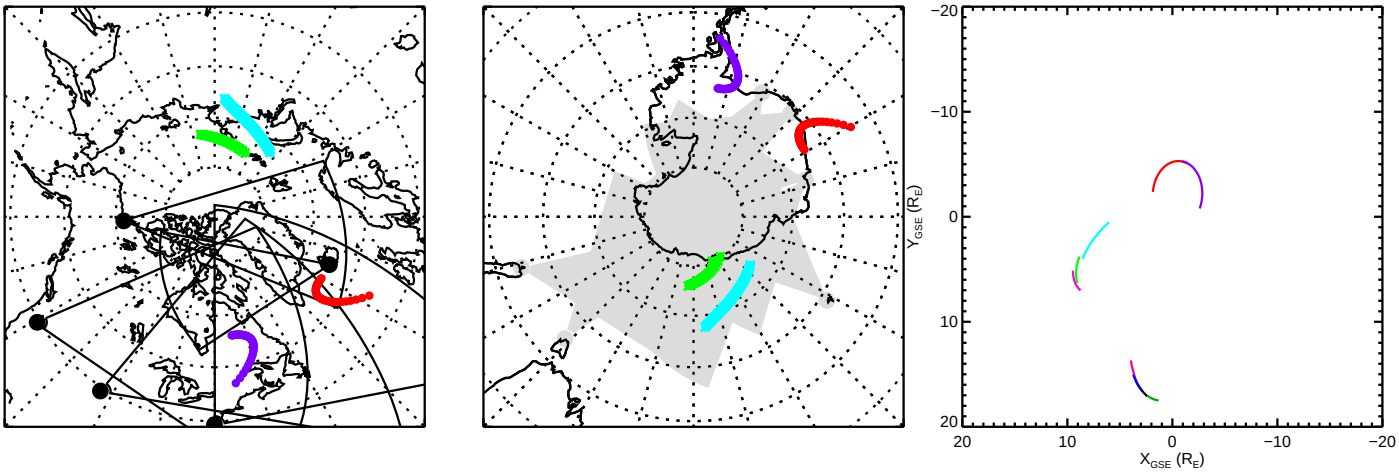
(b) 0210UT to 0310UT
inv wal



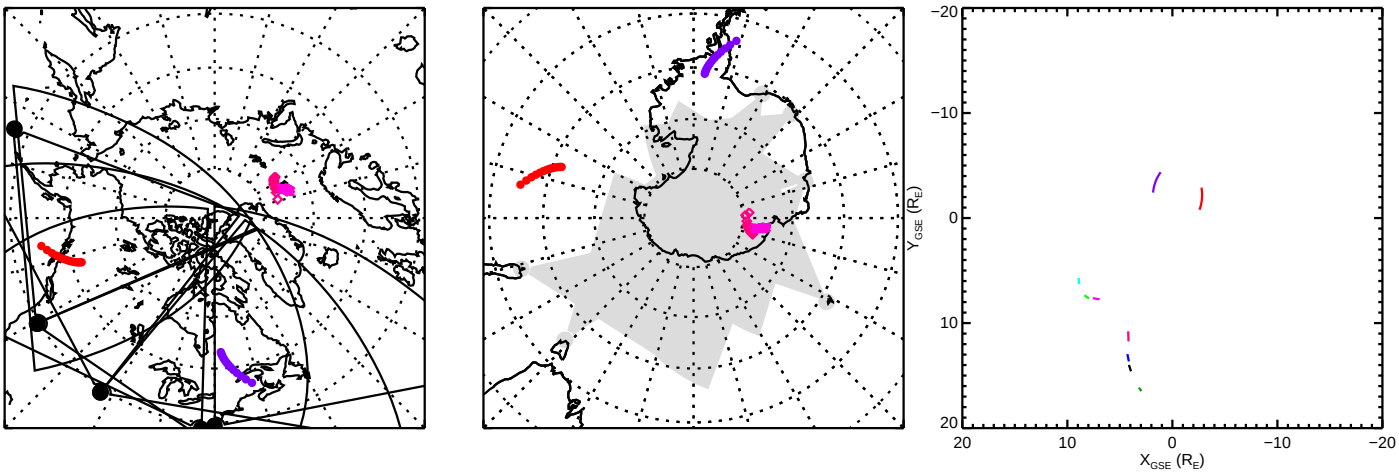




(c) 0520UT to 0905UT
cve fhe inv sto wal

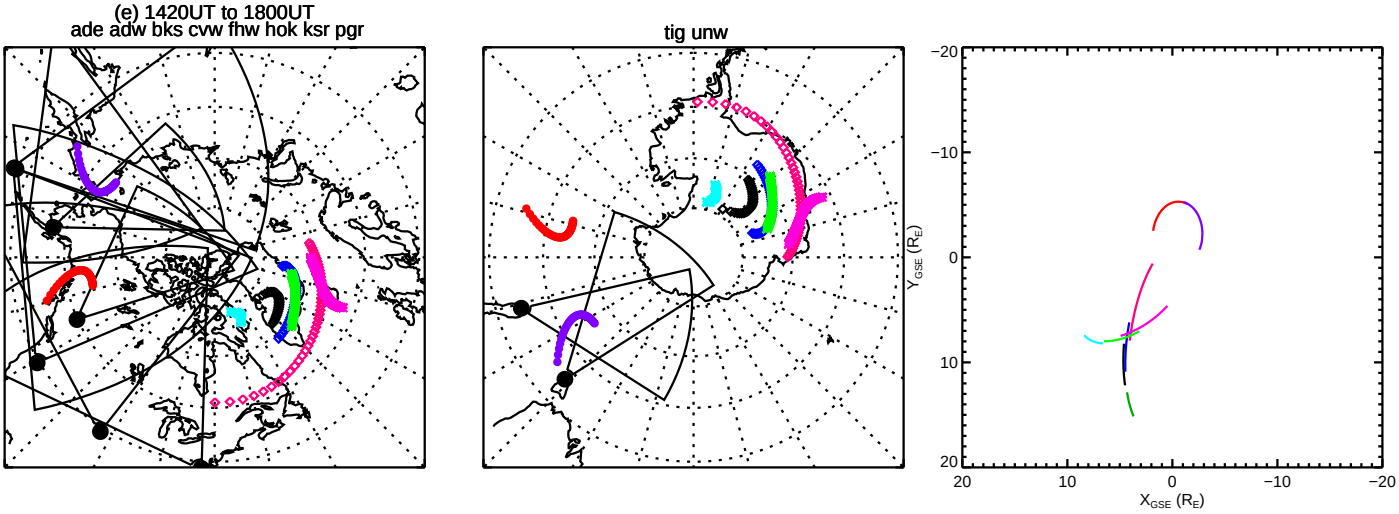


(d) 1110UT to 1215UT
ade bks cve cvw fhe fhw wal



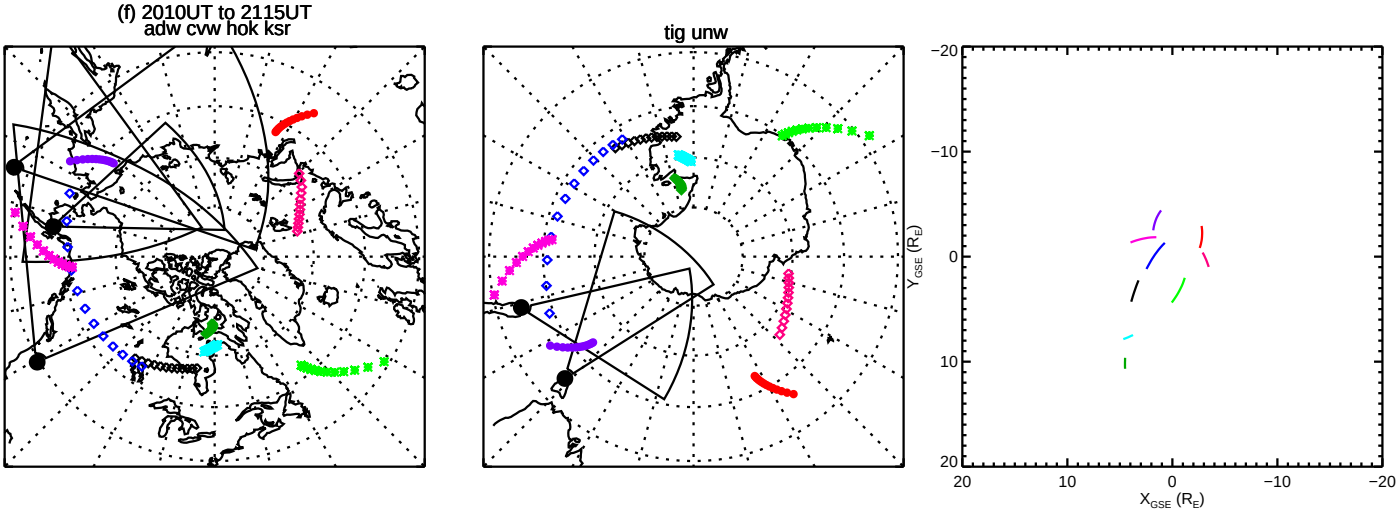
(e) 1420UT to 1800UT
ade adw bks cvw fhw hok ksr pgr

tig unw

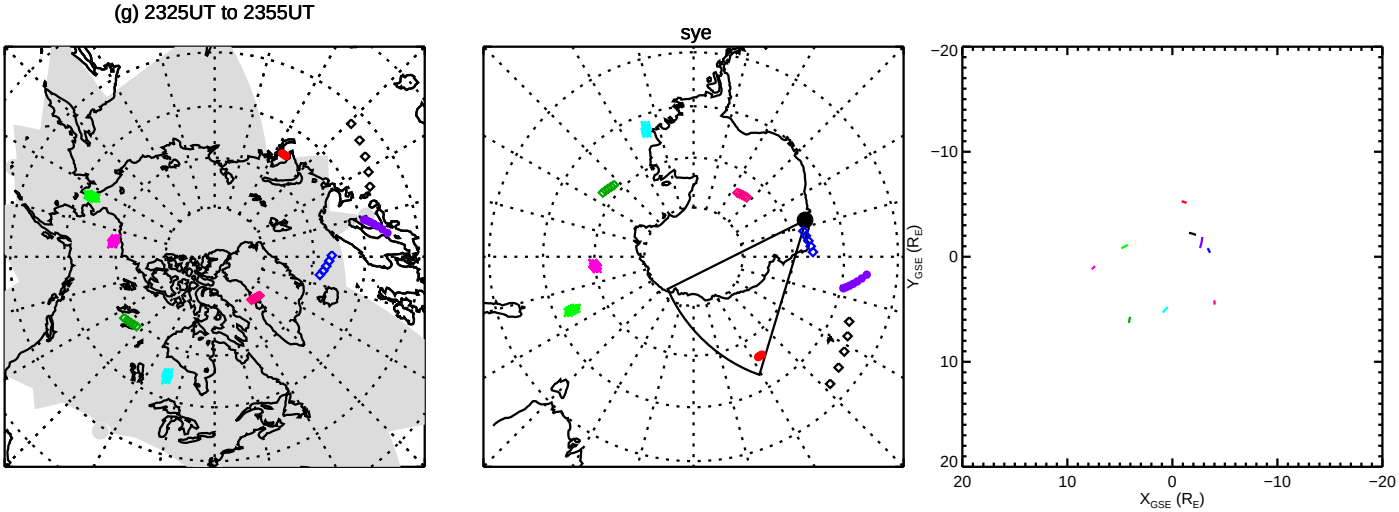


(f) 2010UT to 2115UT
adw cvw hok ksr

tig unw



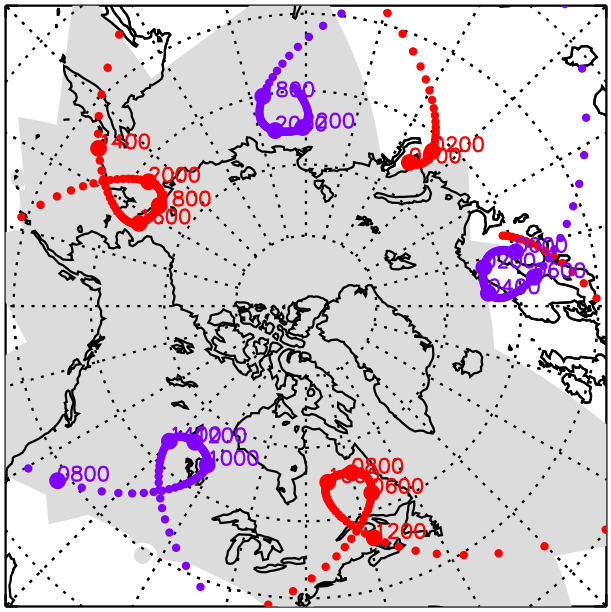
(g) 2325UT to 2355UT

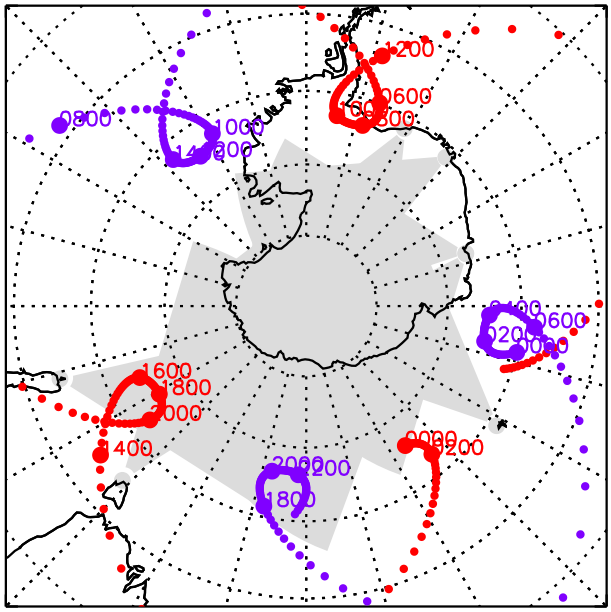


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

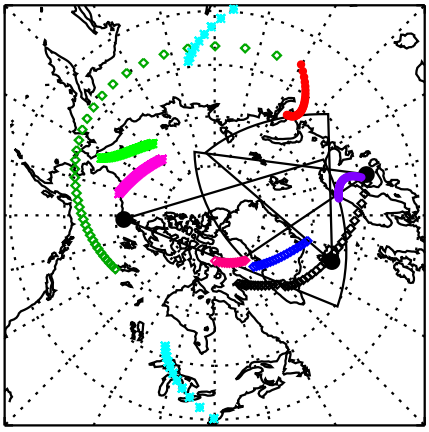
04−Dec−2012

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

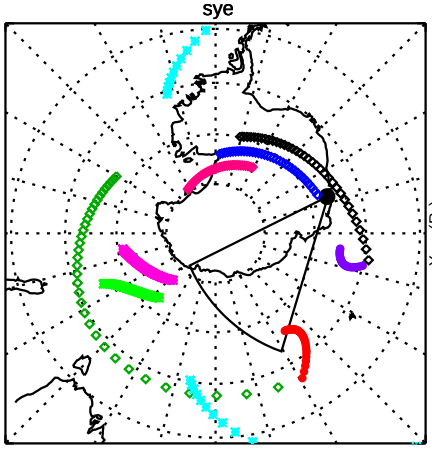


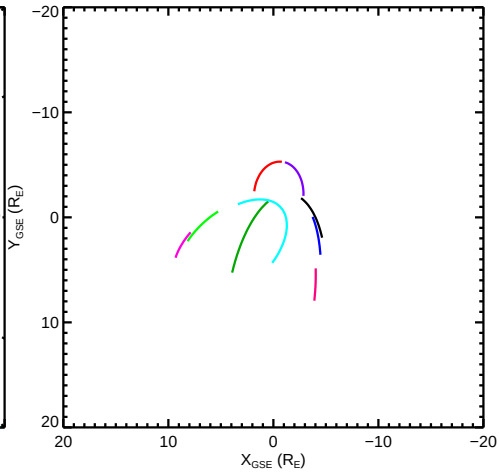


(a) 0000UT to 0300UT
han inv pyk

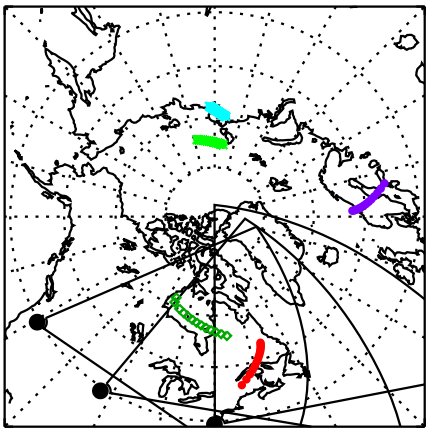


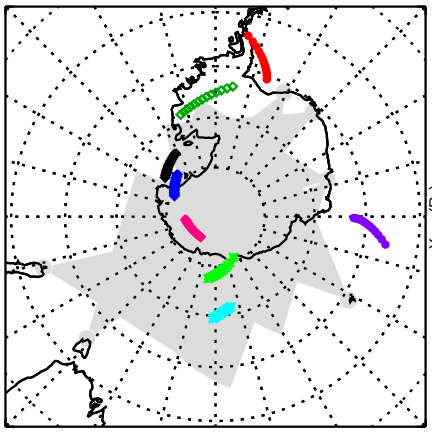
sye

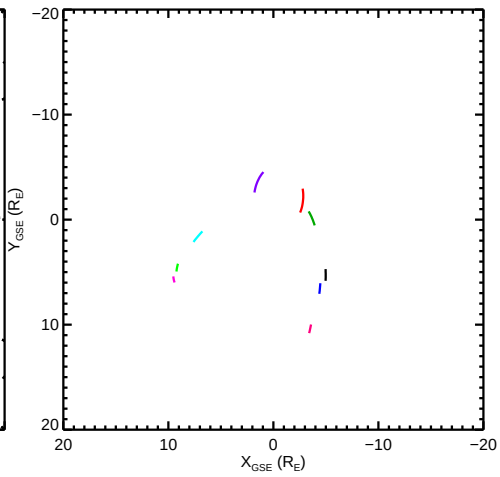




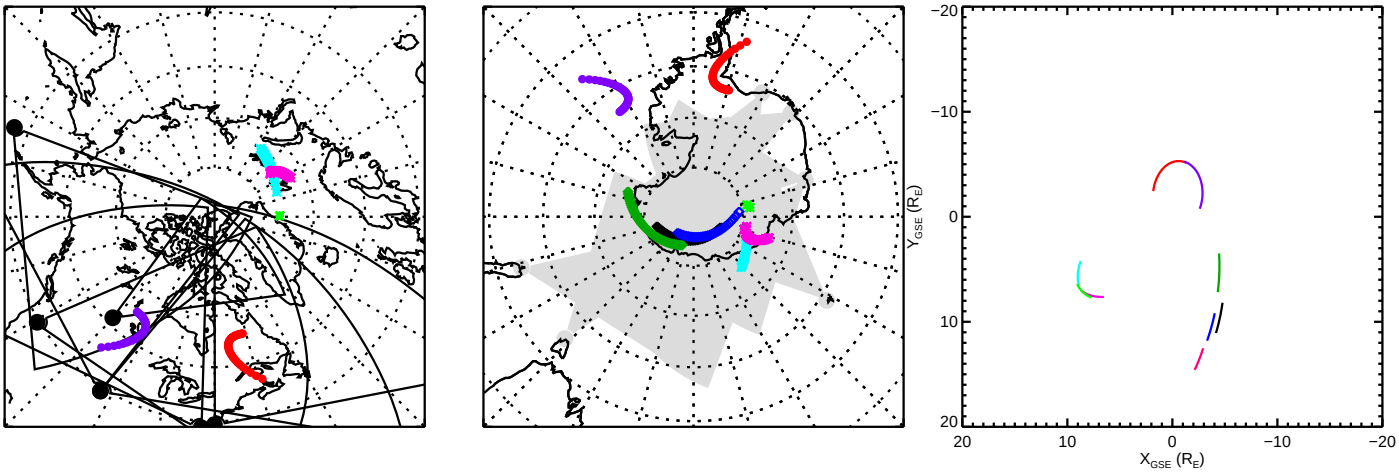
(b) 0505UT to 0615UT
cve fhe wal





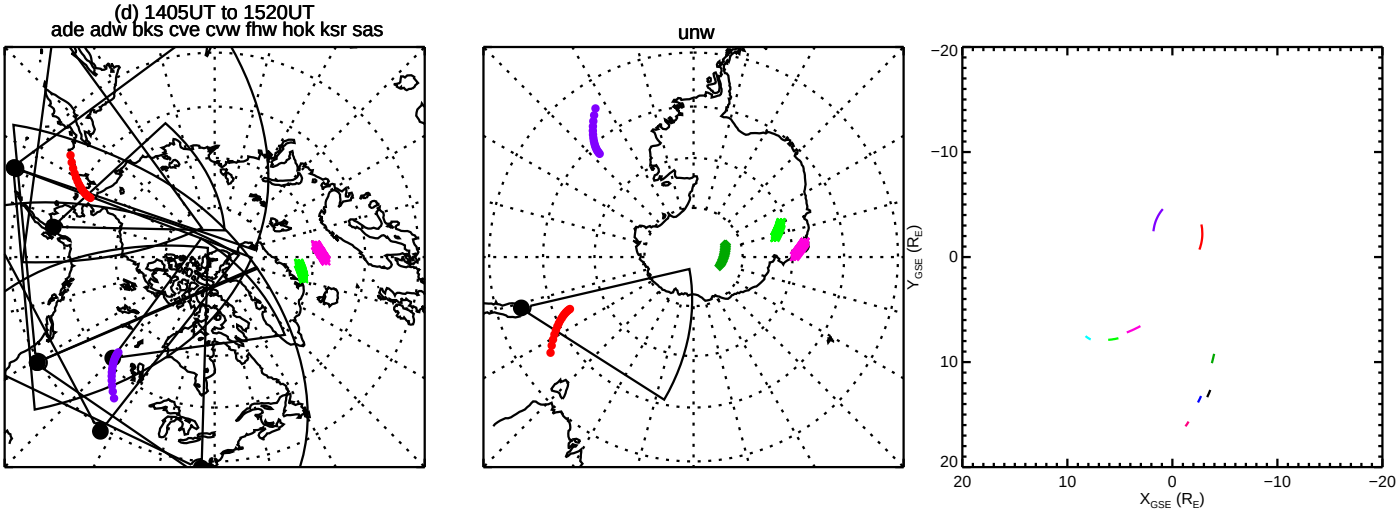


(c) 0825UT to 1200UT
ade bks cve fhe fhw sas wal



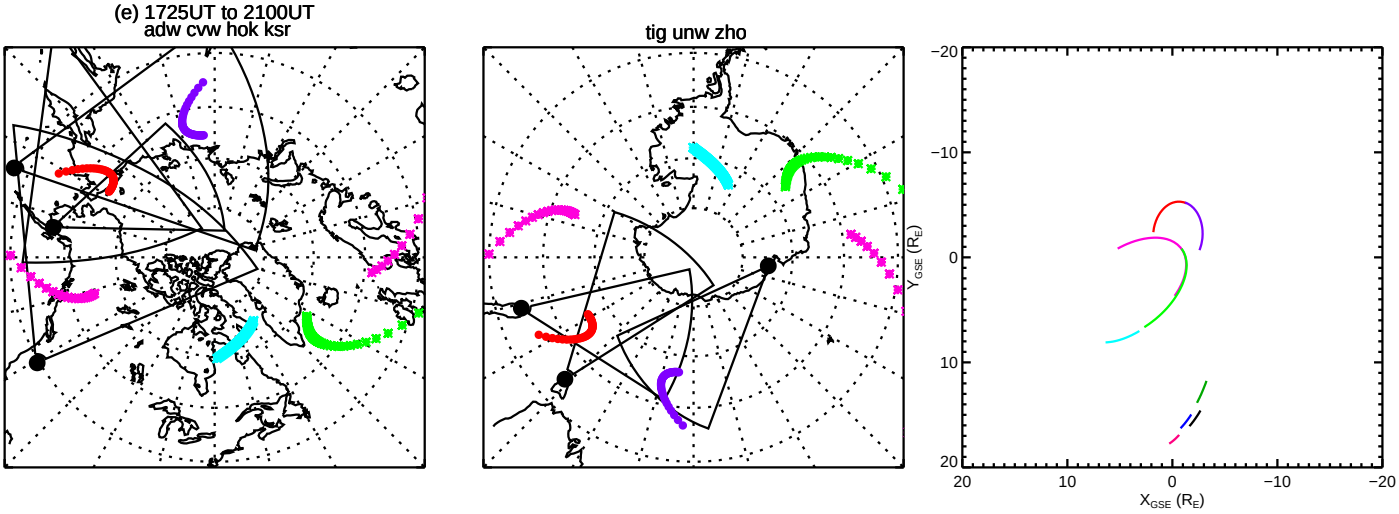
(d) 1405UT to 1520UT
ade adw bks cve cvw fhw hok ksr sas

unw



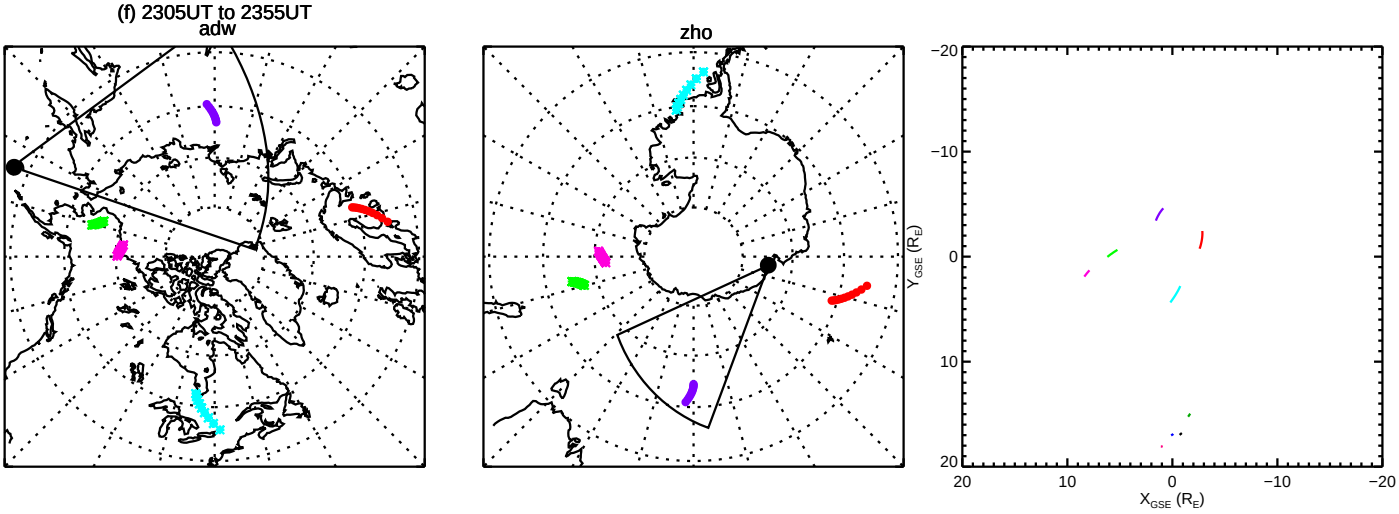
(e) 1725UT to 2100UT
adw cvw hok ksr

tig unw zho



(f) 2305UT to 2355UT
adw

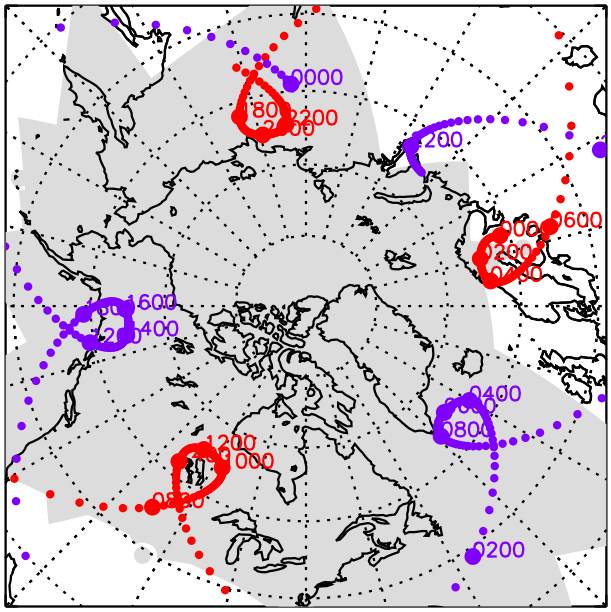
zho

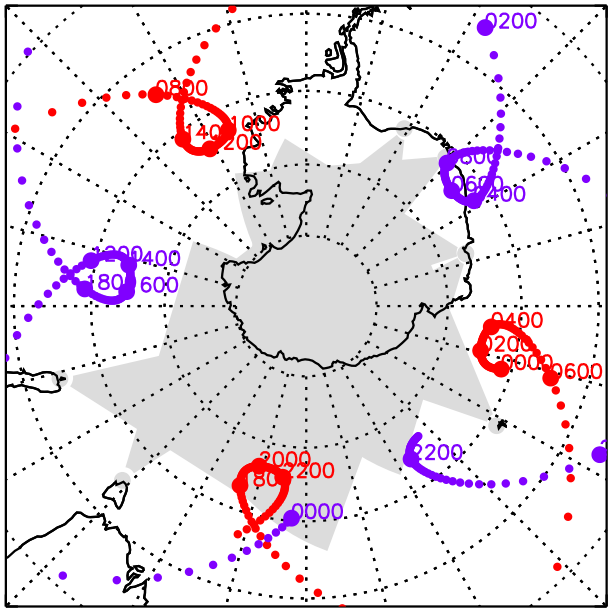


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

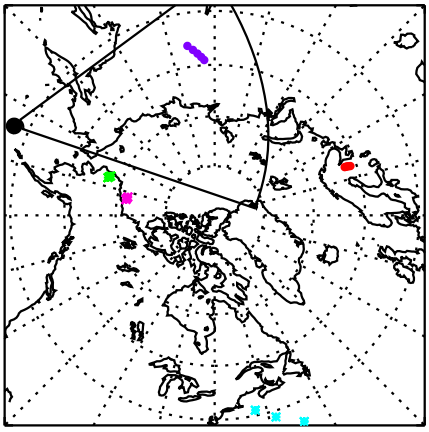
05−Dec−2012

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

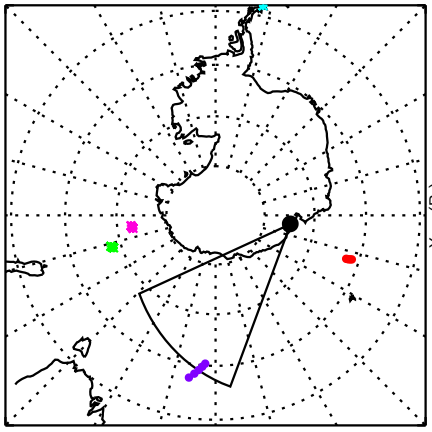


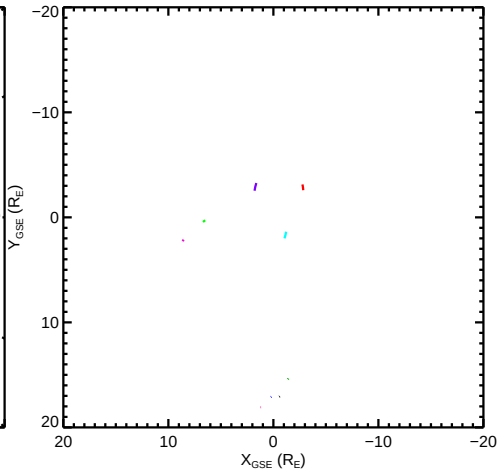


(a) 0000UT to 0020UT
adw

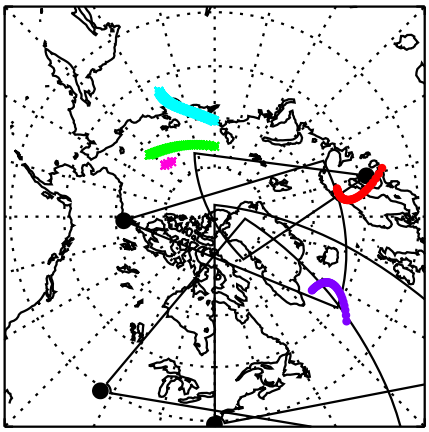


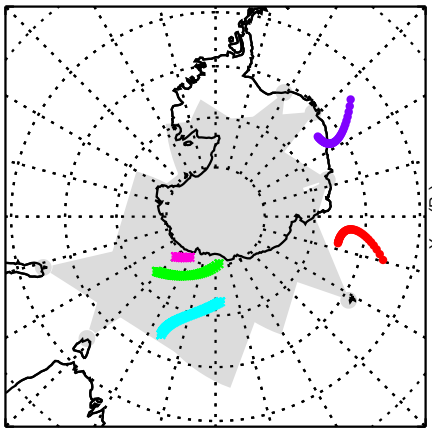
zho

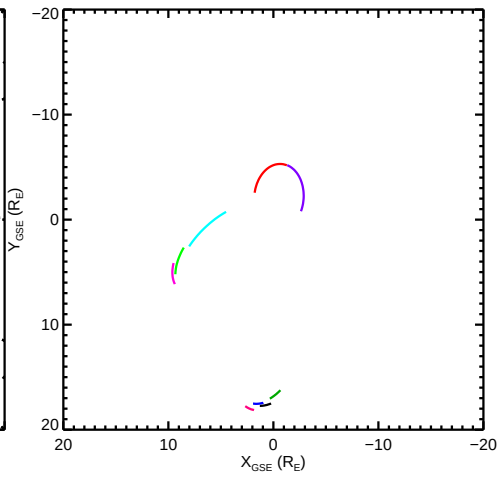




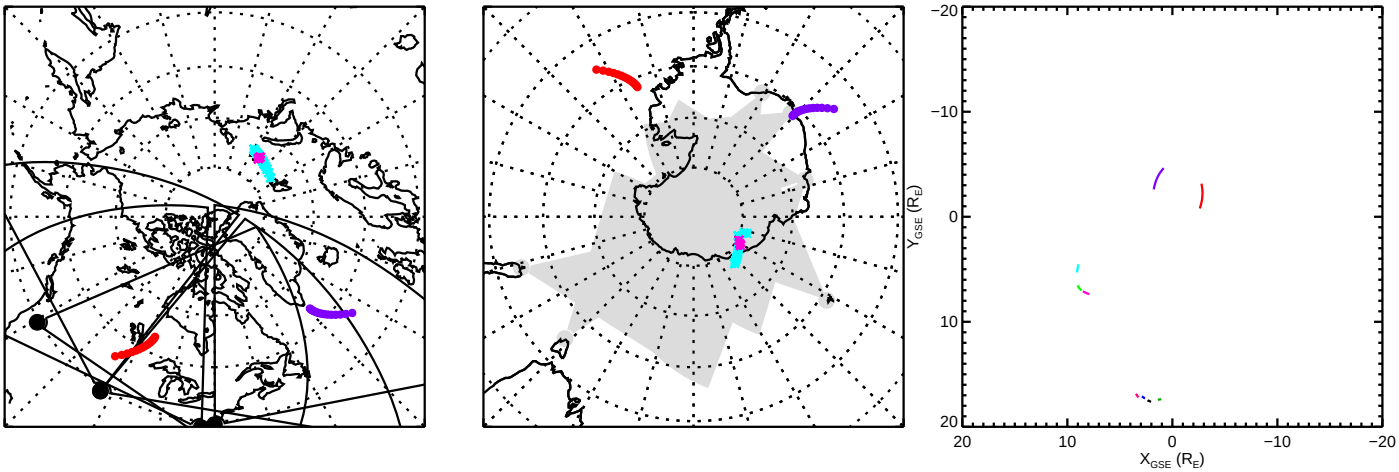
(b) 0230UT to 0555UT
fhe han inv wal



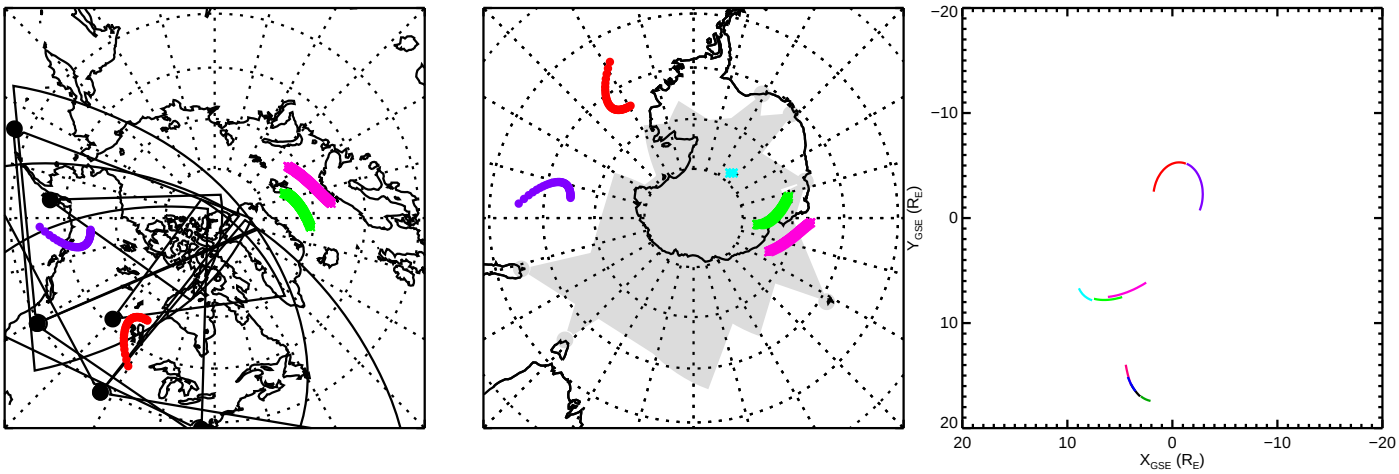




(c) 0805UT to 0920UT
bks cve fhe fhw wal

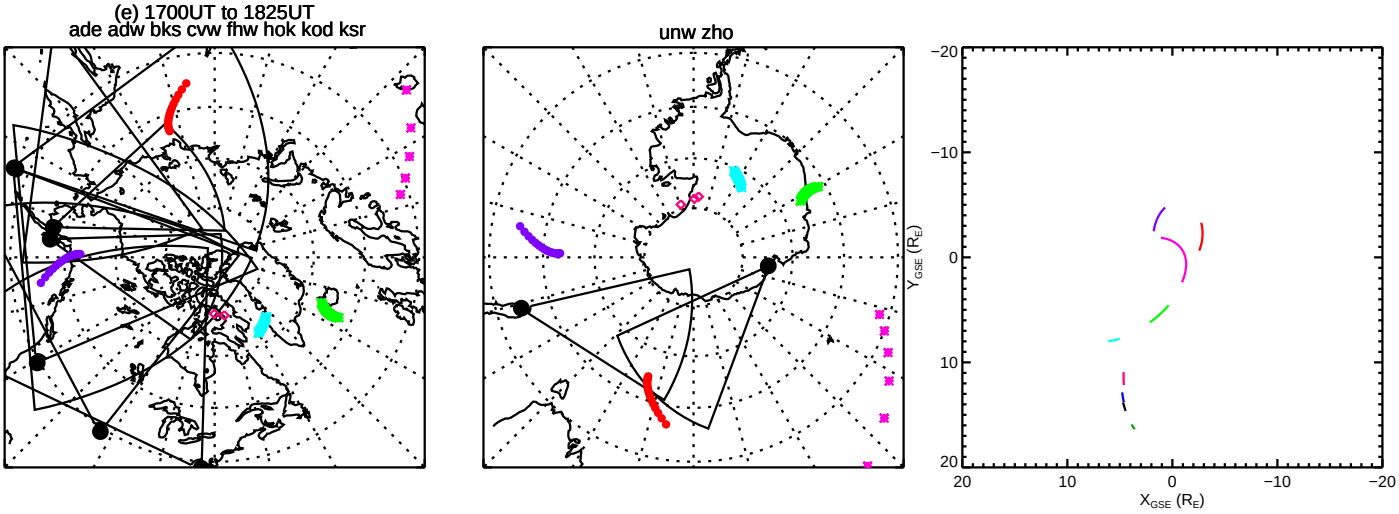


(d) 1130UT to 1455UT
ade bks cve cvw fhe fhw kod sas



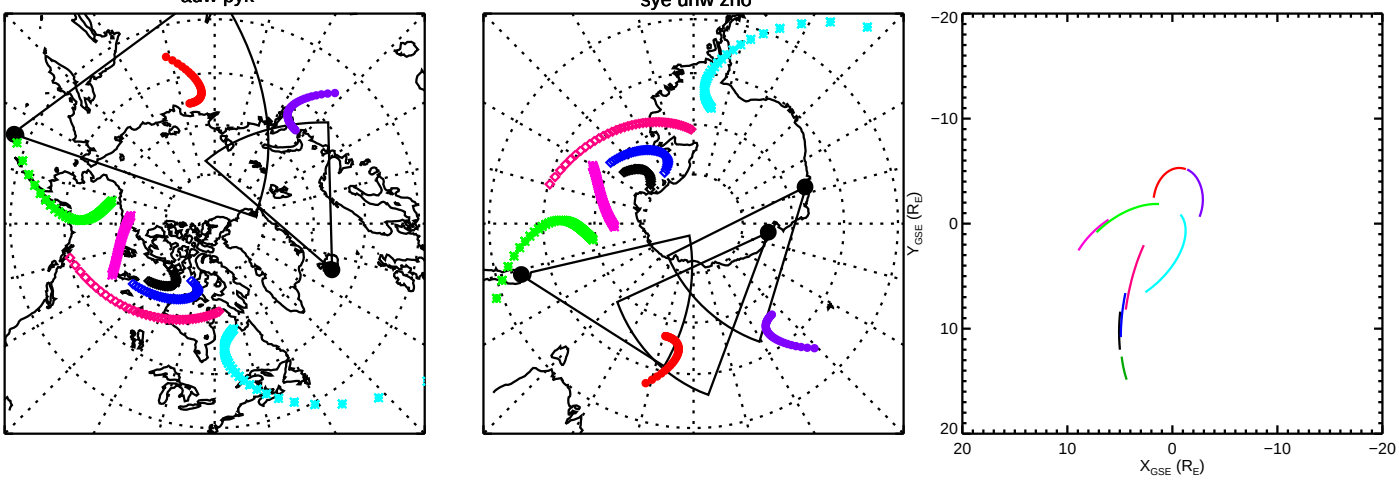
(e) 1700UT to 1825UT
ade adw bks cvw fhw hok kod ksr

unw zho



(f) 2030UT to 2355UT
adw pyk

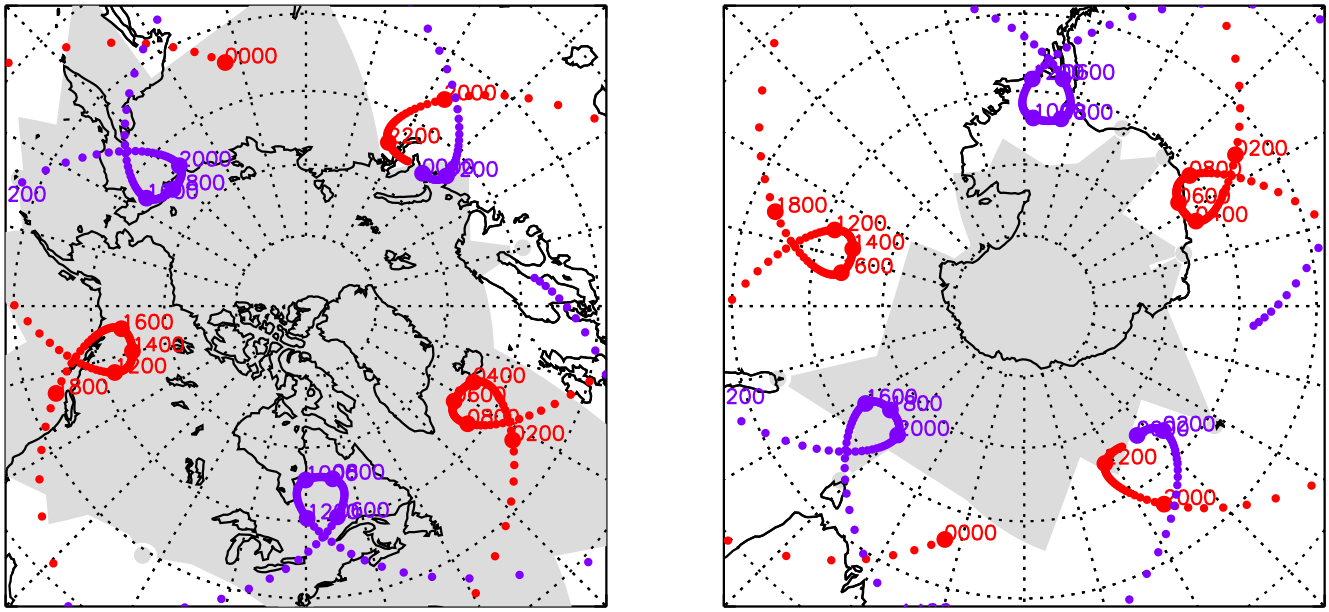
sye unw zho



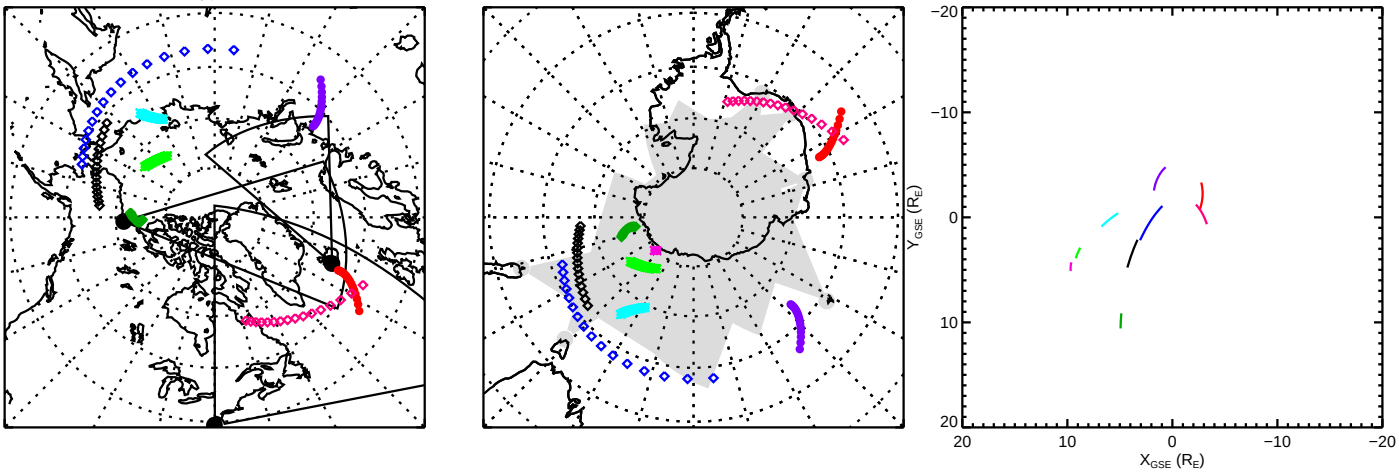
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

06−Dec−2012

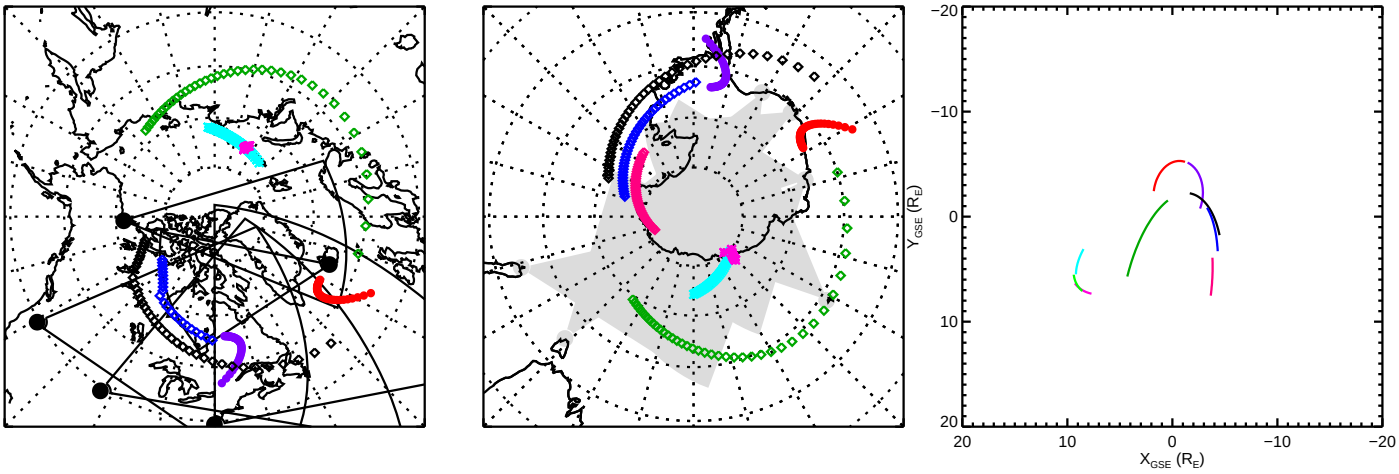
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE



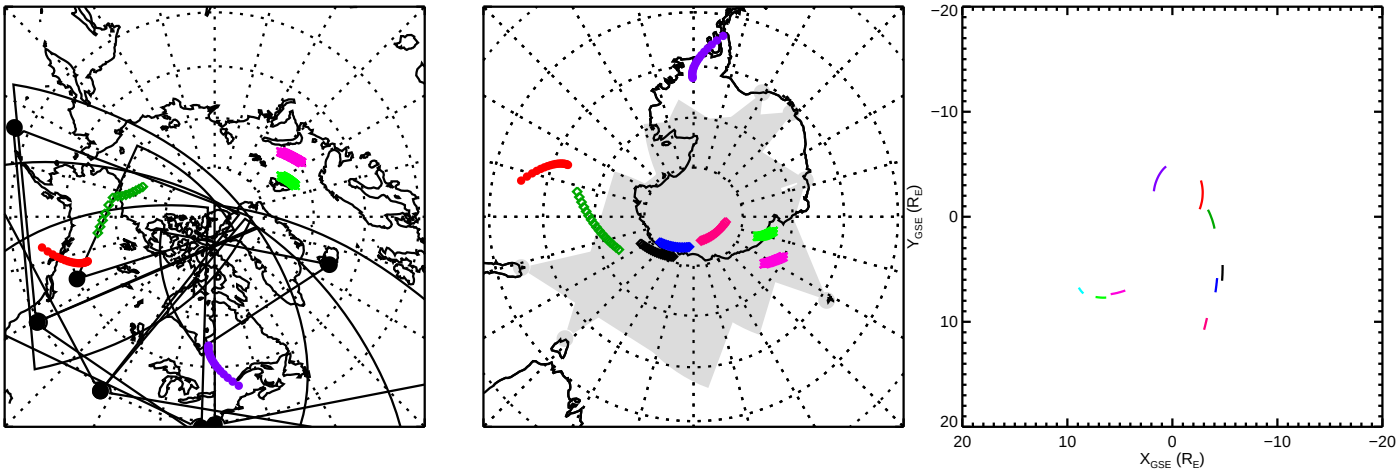
(a) 0200UT to 0325UT
inv pyk wal



(b) 0535UT to 0855UT
cve fhe inv sto wal

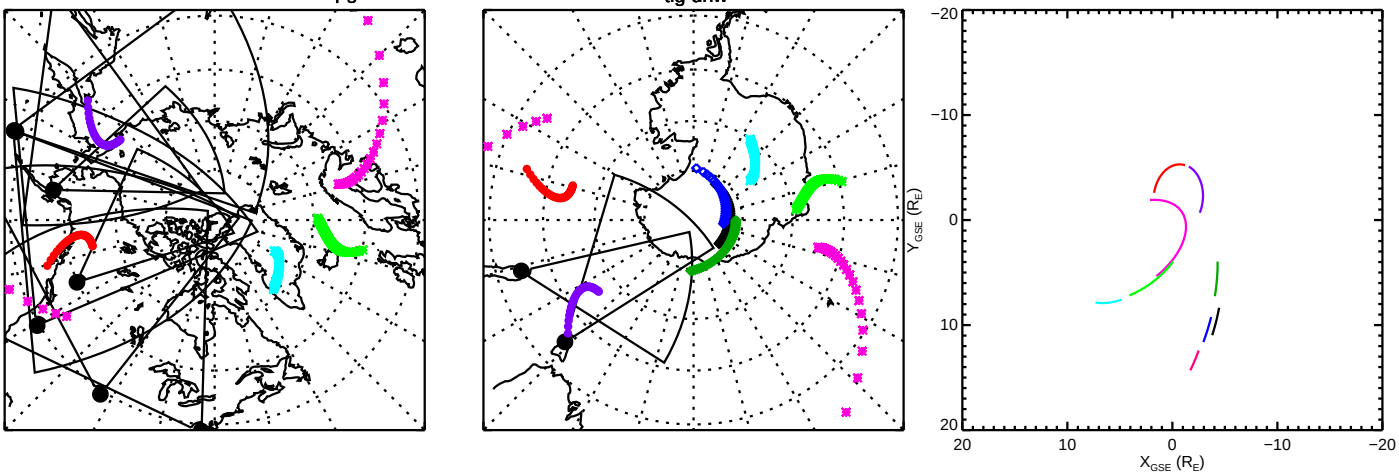


(c) 1100UT to 1230UT
ade bks cve cvw fhe fhw pgr sto wal



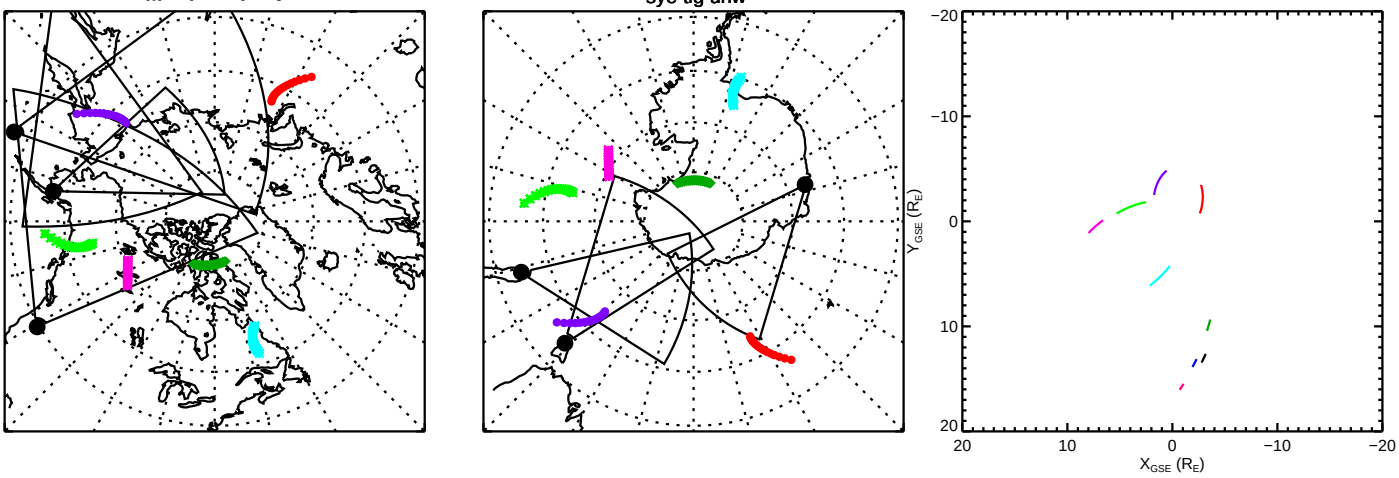
(d) 1435UT to 1750UT
ade adw bks cvw fhw hok ksr pgr

tig unw



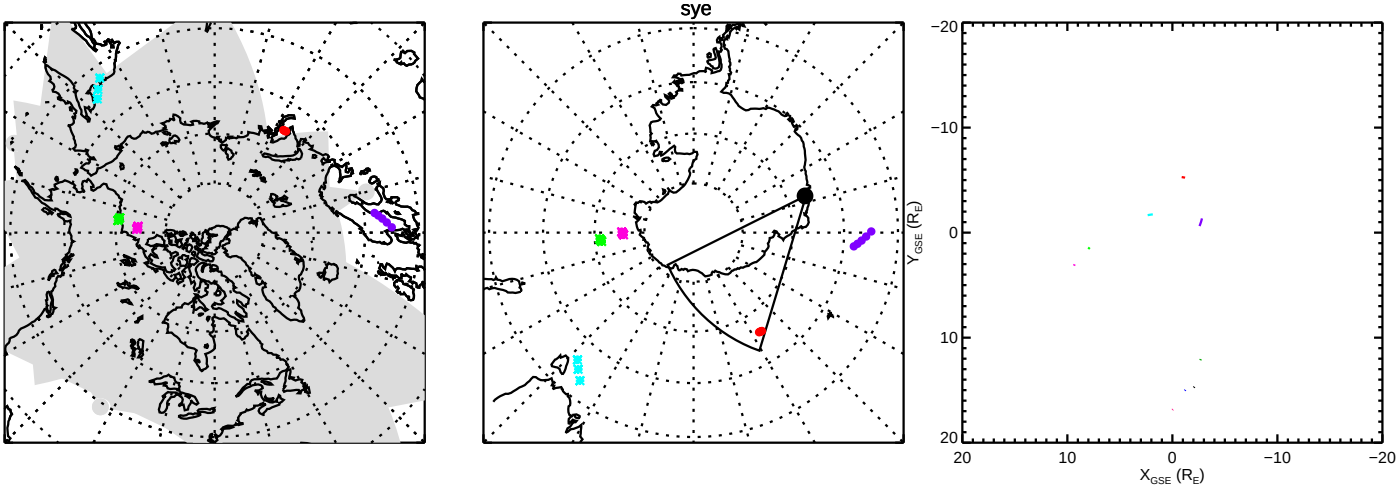
(e) 2000UT to 2130UT
adw cvw hok ksr

sye tig unw



(f) 2335UT to 2355UT

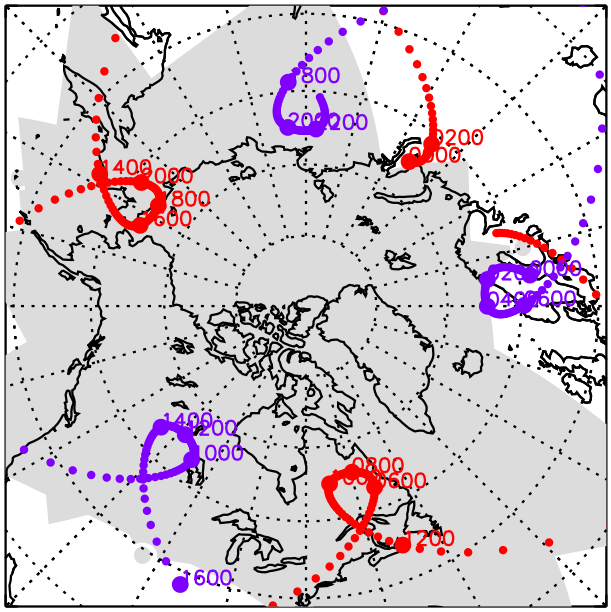
sye

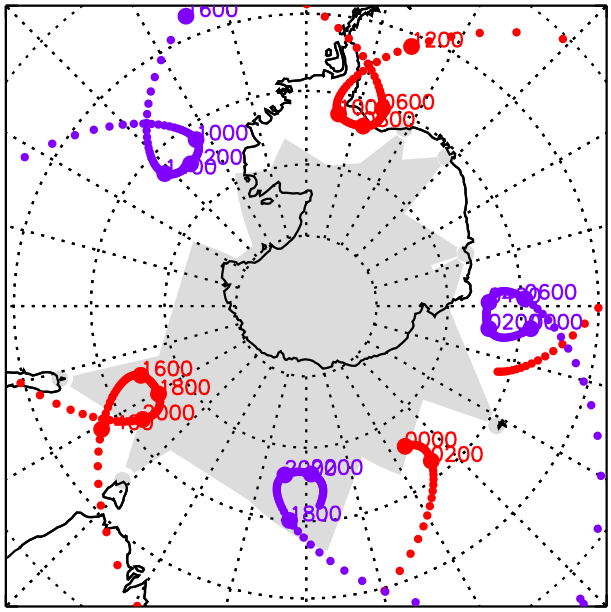


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

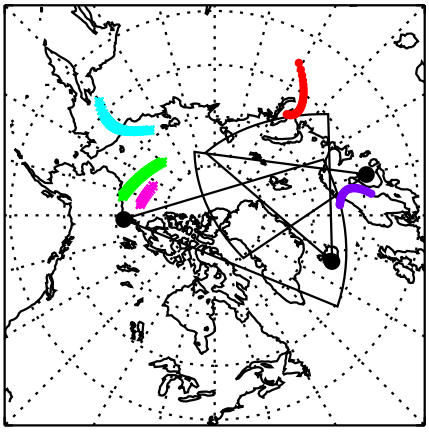
07−Dec−2012

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

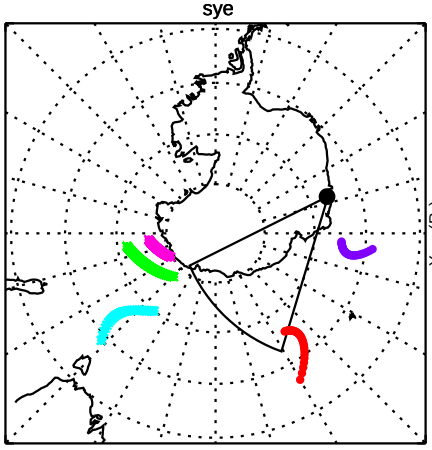


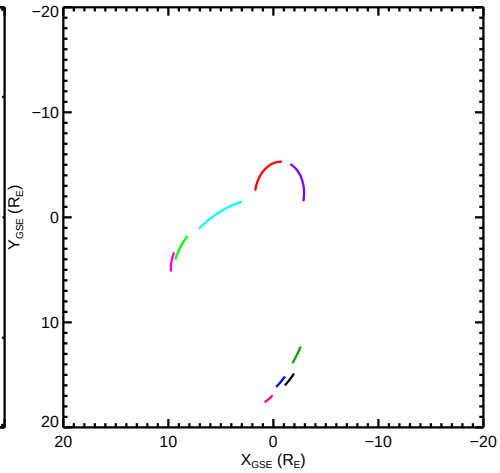


(a) 0000UT to 0250UT
han inv pyk

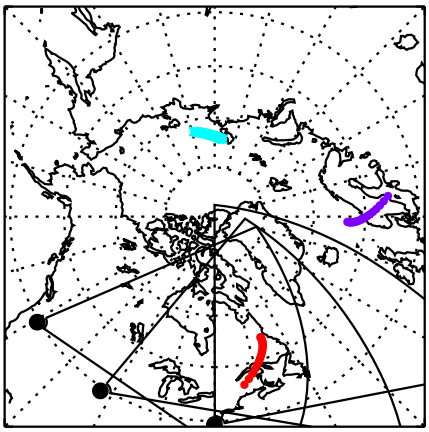


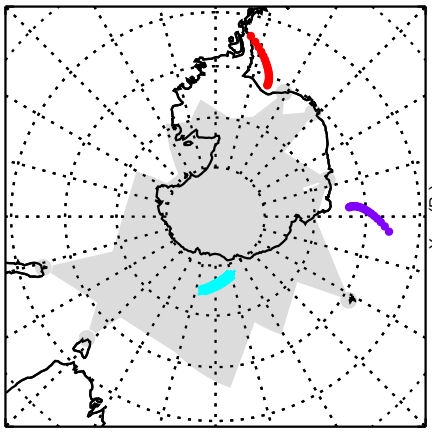
sye

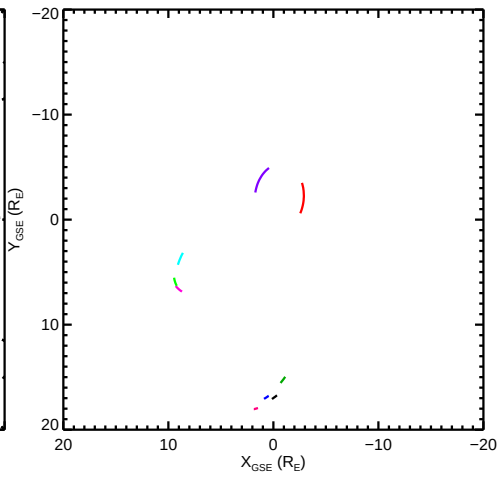




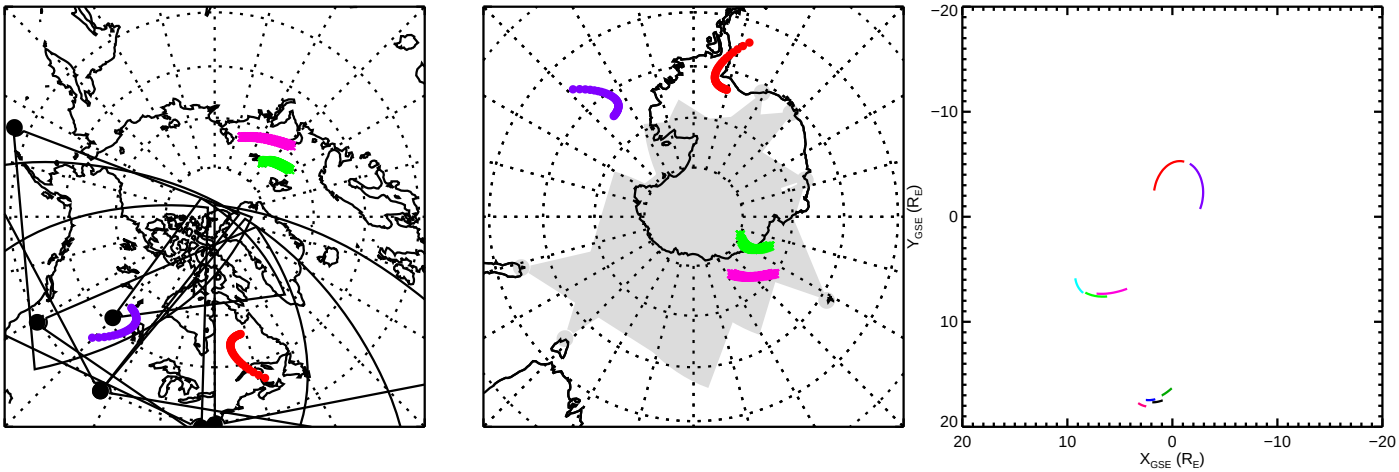
(b) 0455UT to 0630UT
cve fhe wal





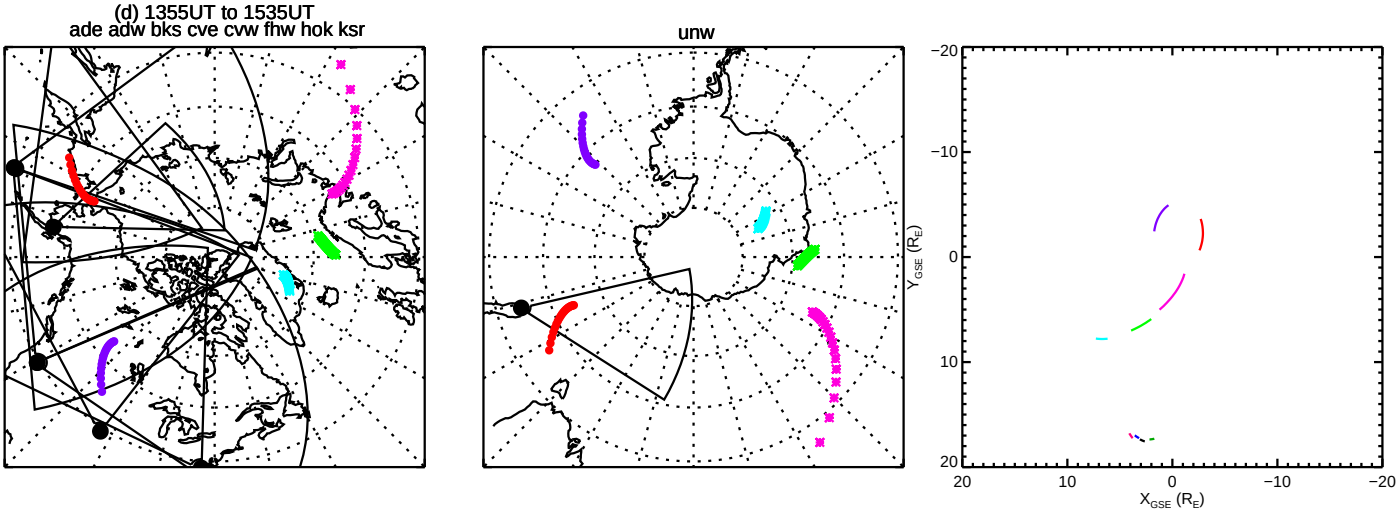


(c) 0840UT to 1150UT
ade bks cve fhe fhw sas wal



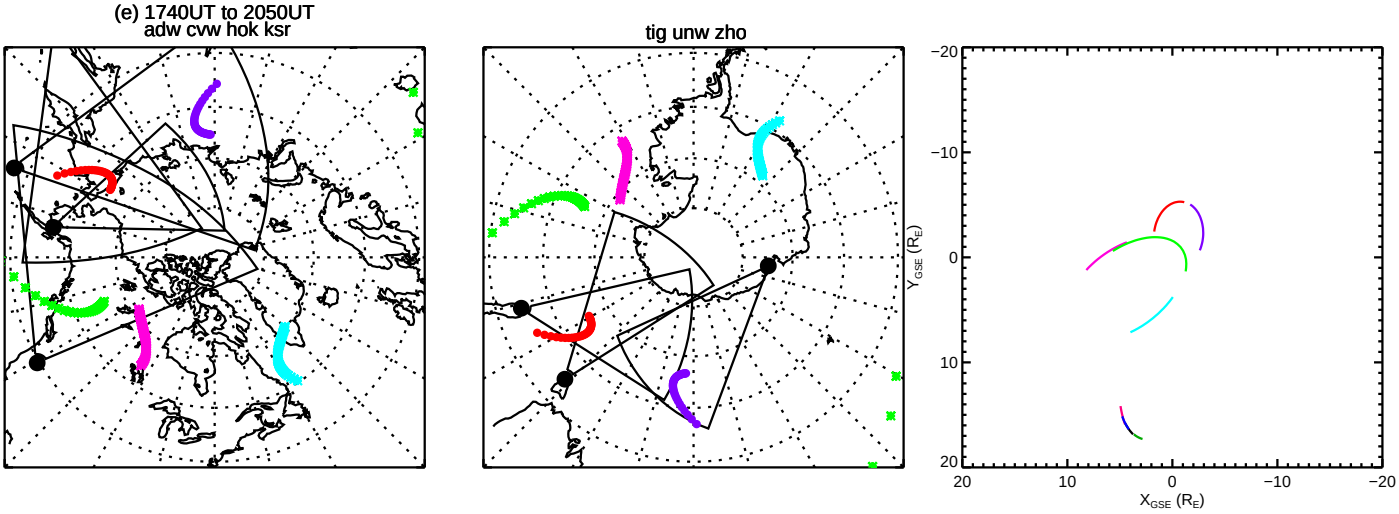
(d) 1355UT to 1535UT
ade adw bks cve cvw fhw hok ksr

unw



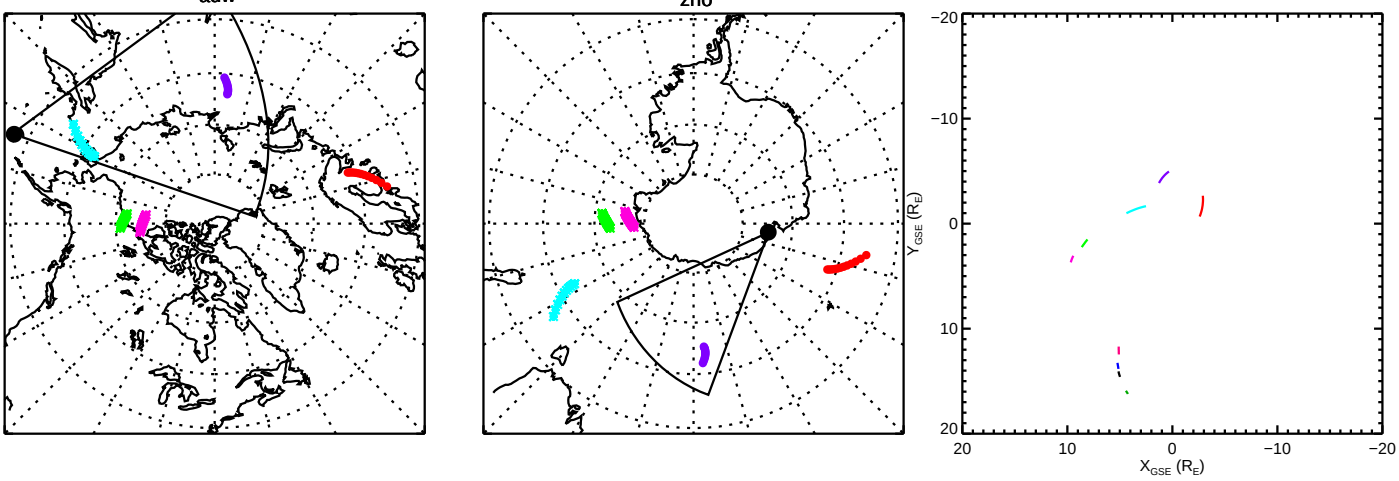
(e) 1740UT to 2050UT
adw cvw hok ksr

tig unw zho



(f) 2255UT to 2355UT
adw

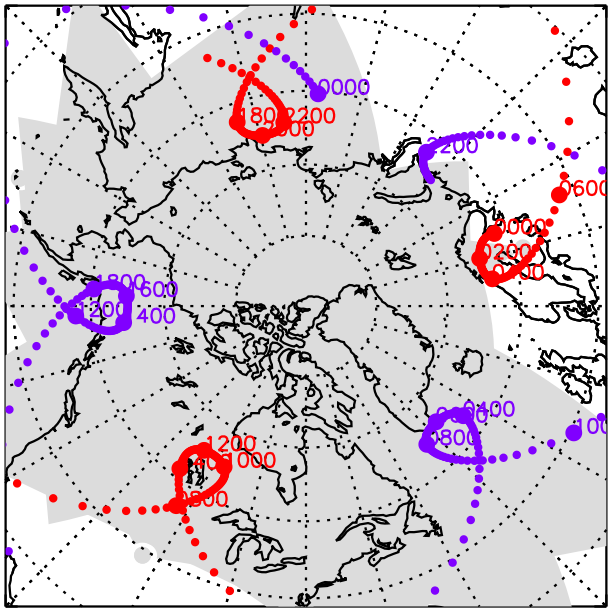
zho

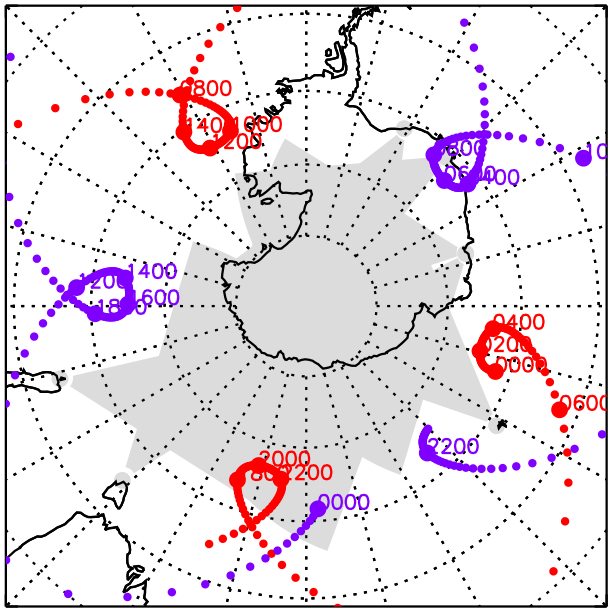


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

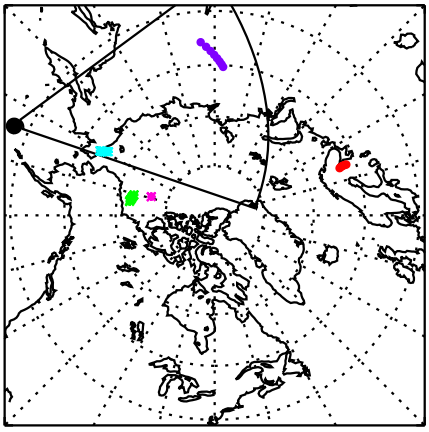
08−Dec−2012

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

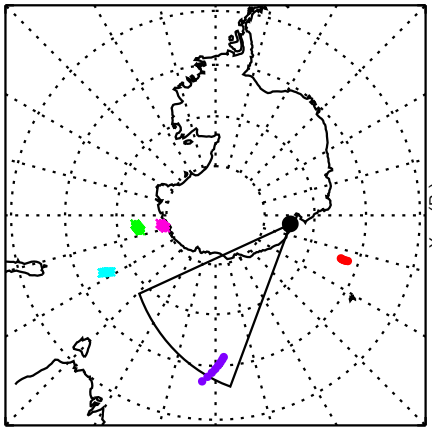


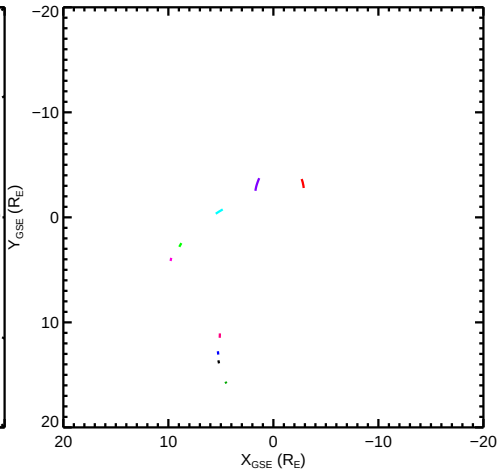


(a) 0000UT to 0035UT
adw

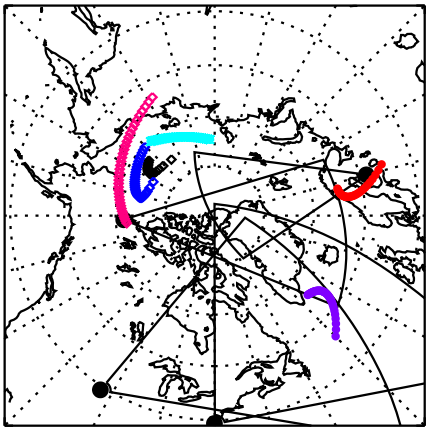


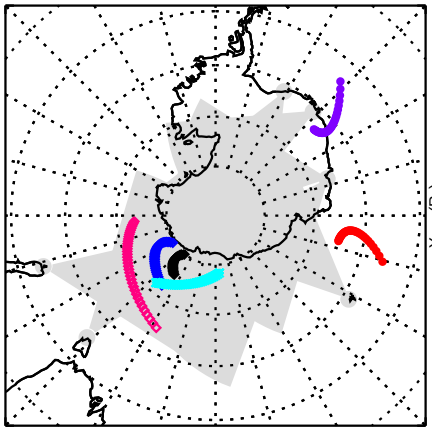
zho

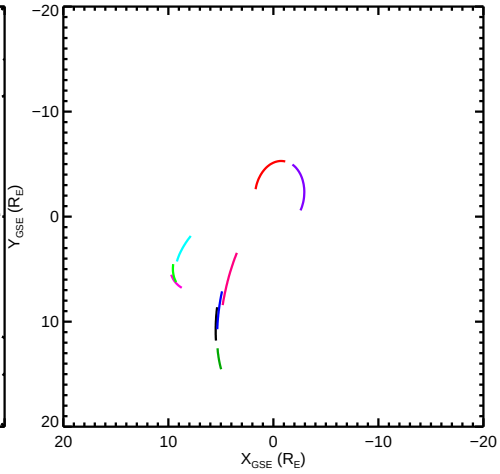




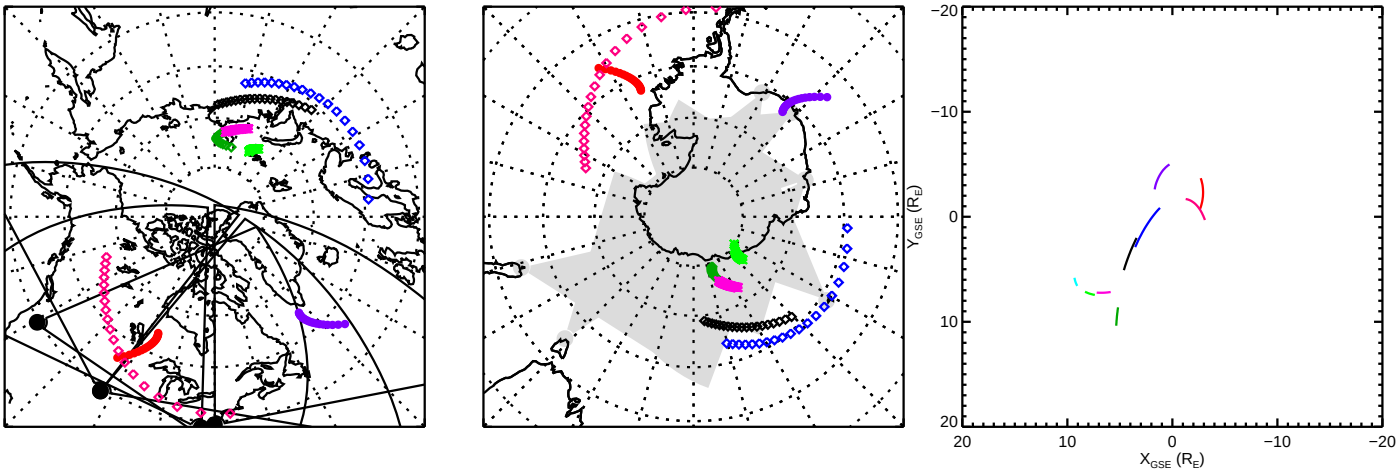
(b) 0240UT to 0545UT
fhe han inv wal



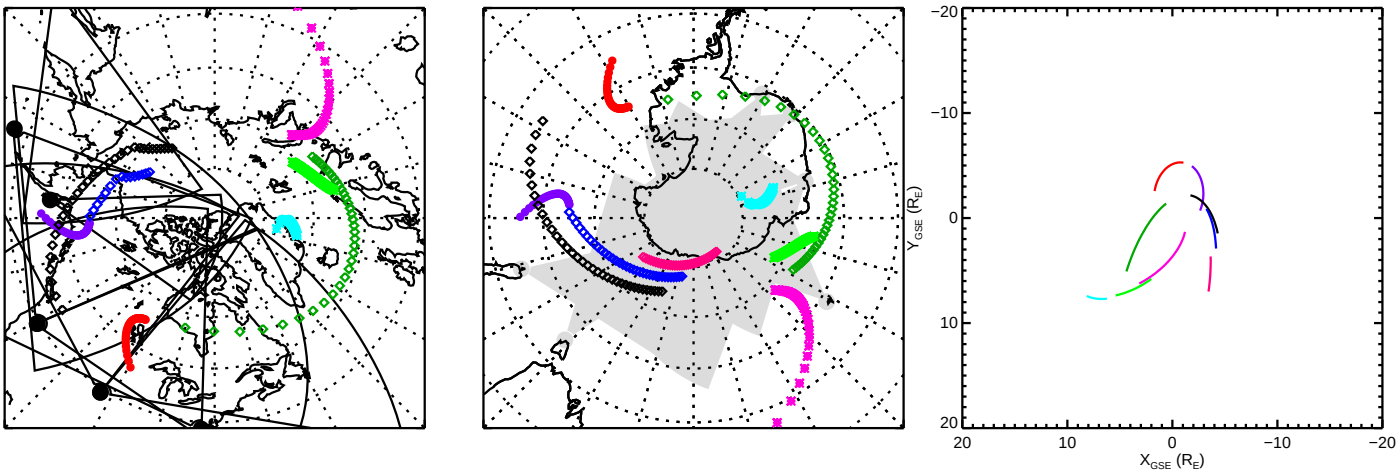




(c) 0755UT to 0935UT
bks cve fhe fhw wal

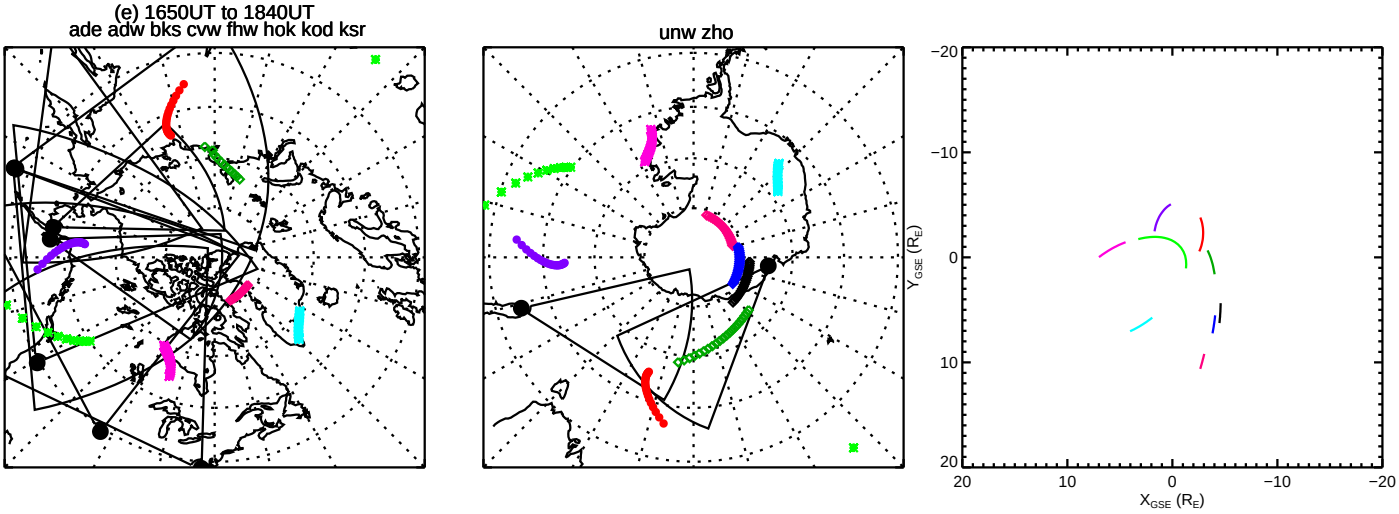


(d) 1145UT to 1445UT
ade bks cve cvw fhe fhw hok kod



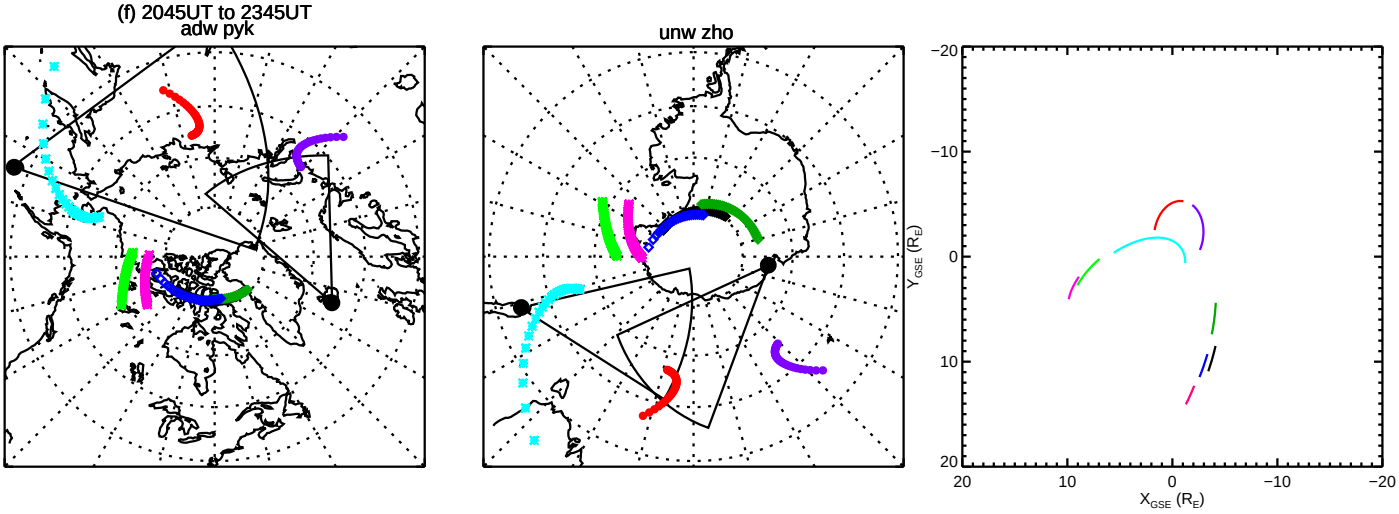
(e) 1650UT to 1840UT
ade adw bks cvw fhw hok kod ksr

unw zho



(f) 2045UT to 2345UT
adw pyk

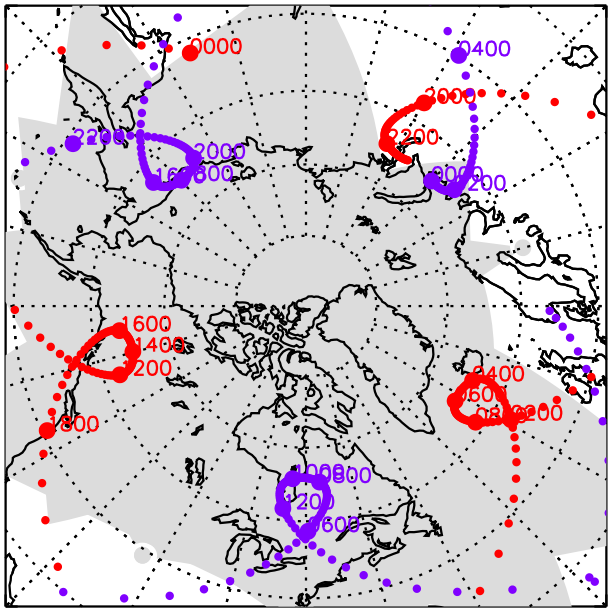
unw zho

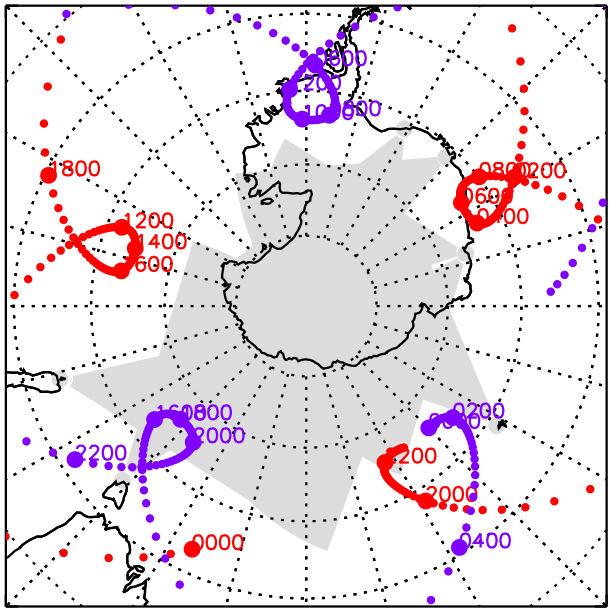


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

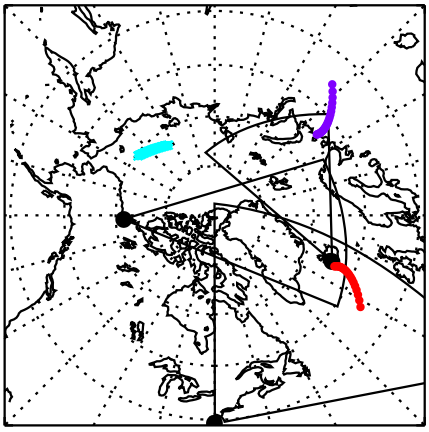
09−Dec−2012

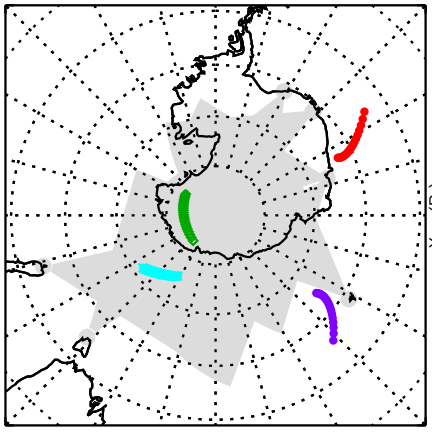
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

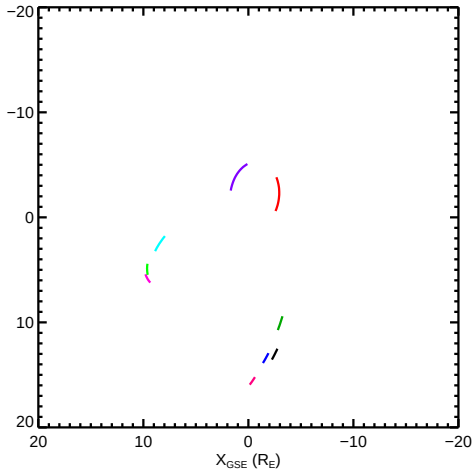




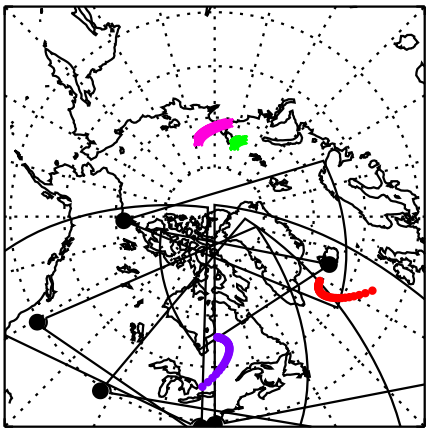
(a) 0150UT to 0340UT
inv pyk wal

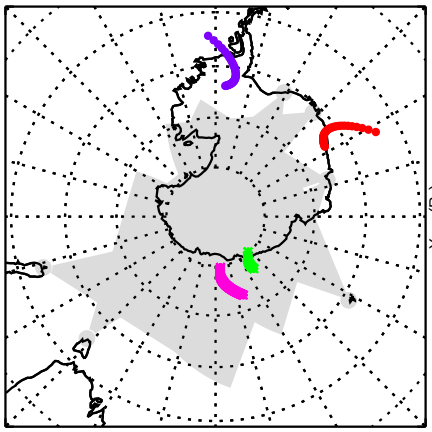


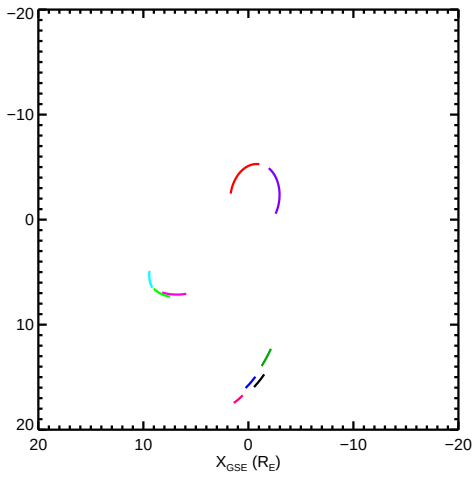




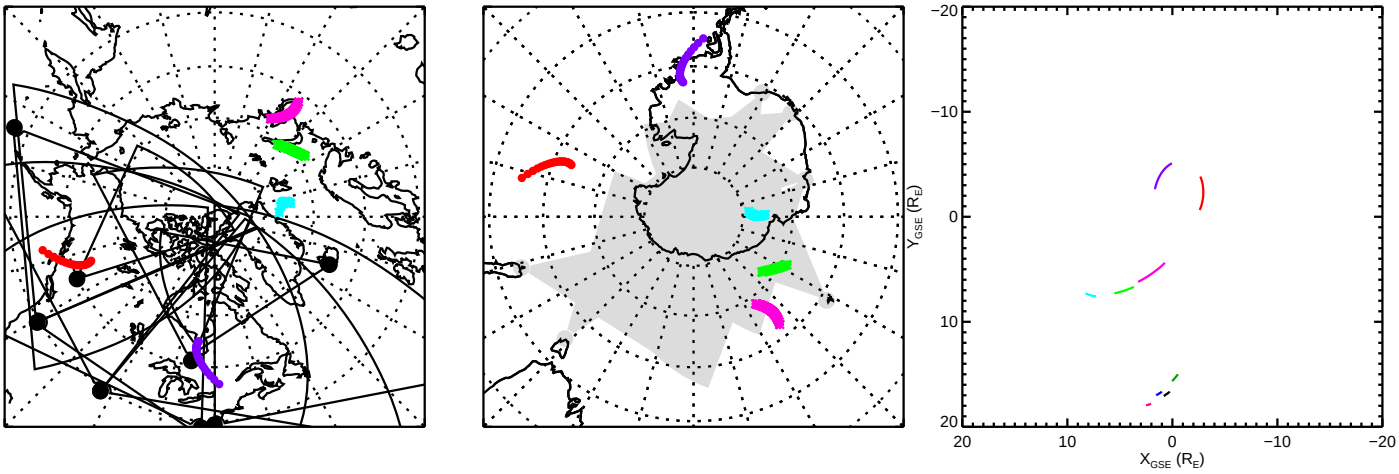
(b) 0545UT to 0845UT
bks cve fhe inv sto wal





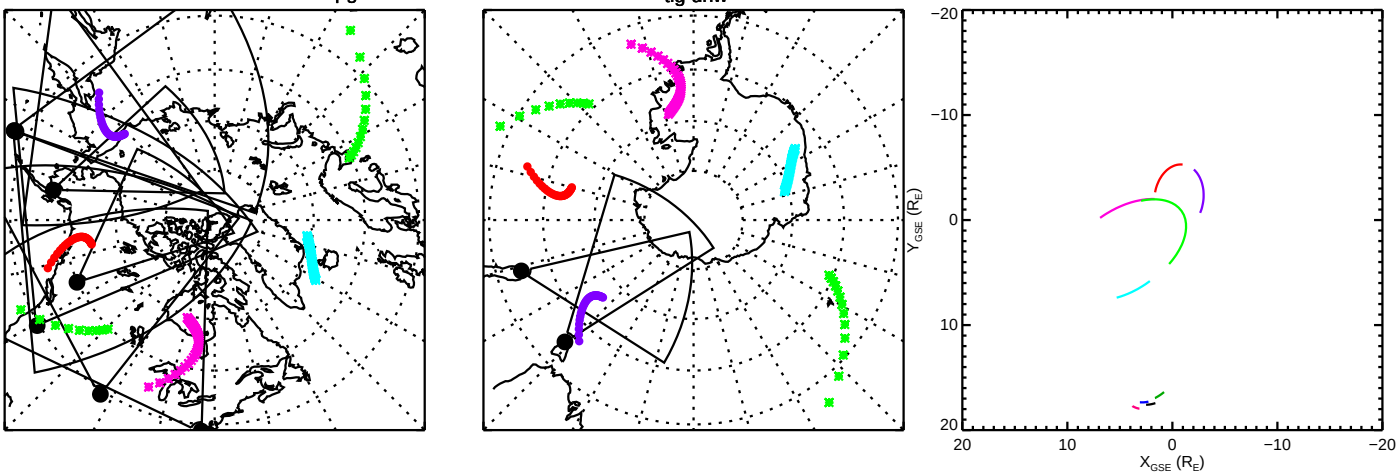


(c) 1050UT to 1240UT
ade bks cve cvw fhe fhw kap pgr sto wal



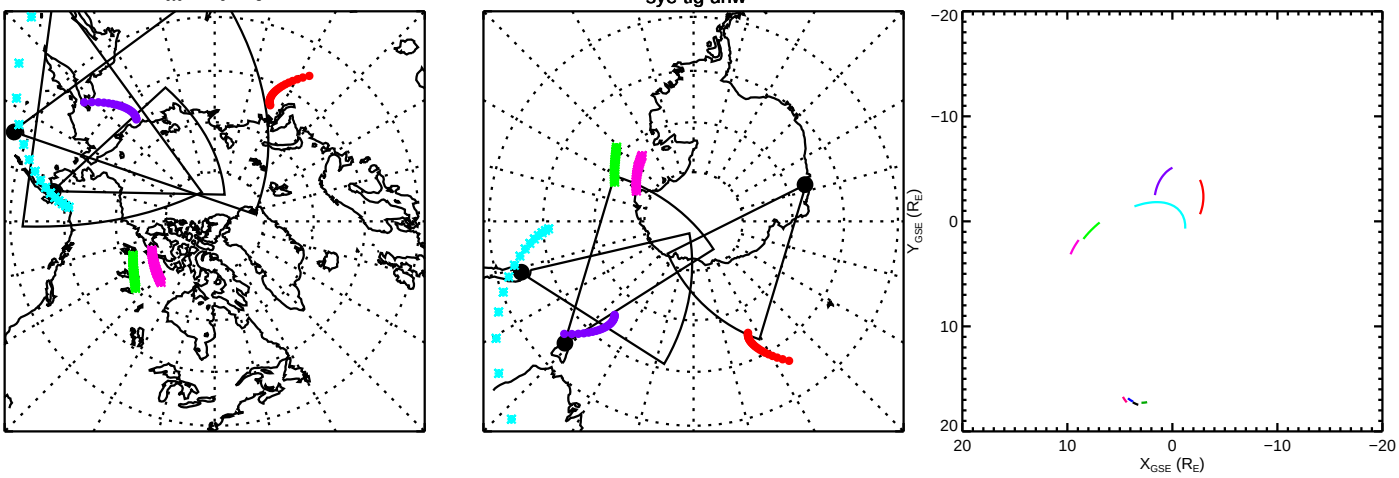
(d) 1450UT to 1740UT
ade adw bks cvw fhw hok ksr pgr

tig unw



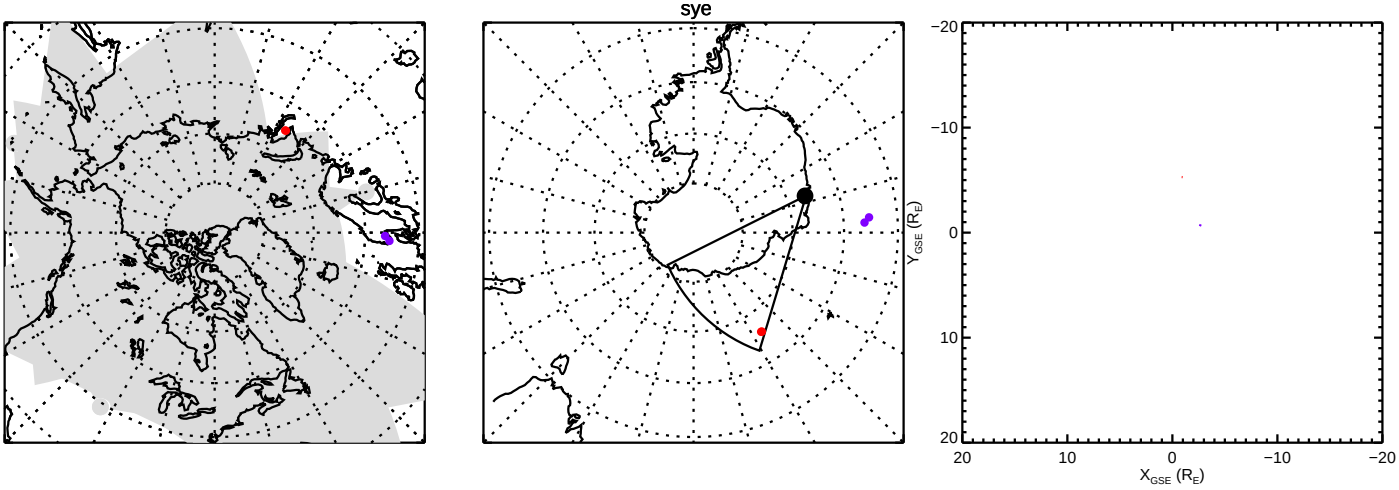
(e) 1950UT to 2145UT
adw hok ksr

sye tig unw



(f) 2350UT to 2355UT

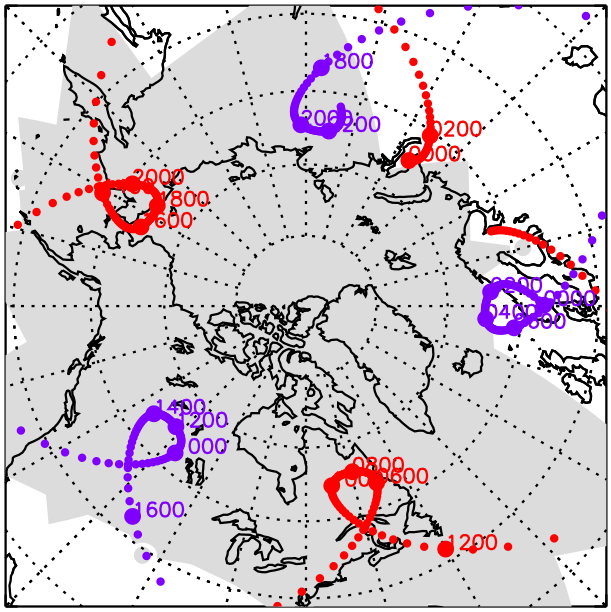
sye

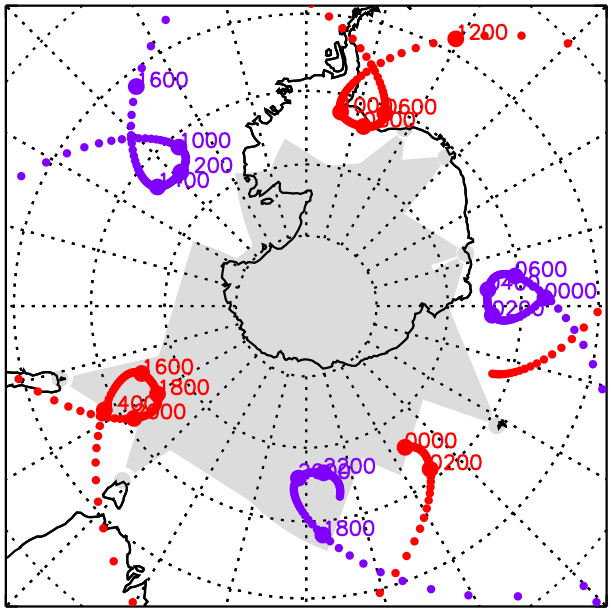


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

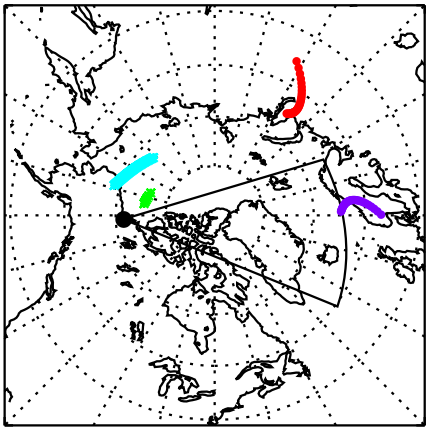
10−Dec−2012

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

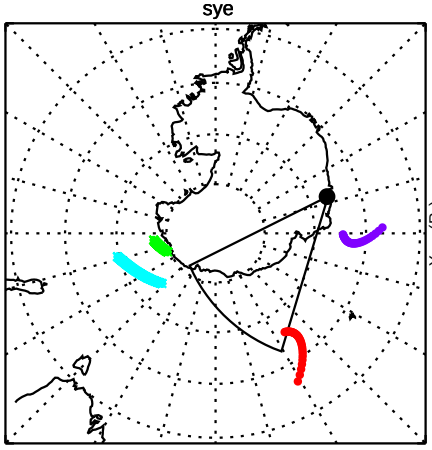


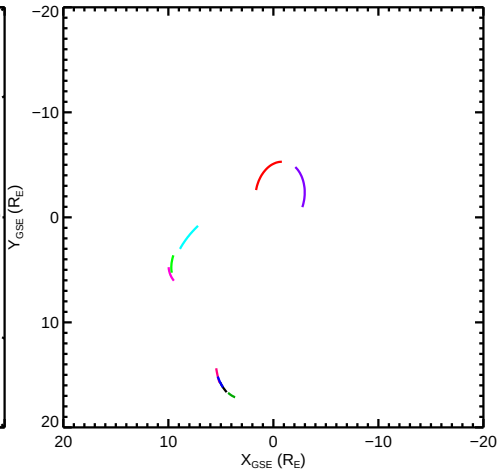


(a) 0000UT to 0240UT
inv

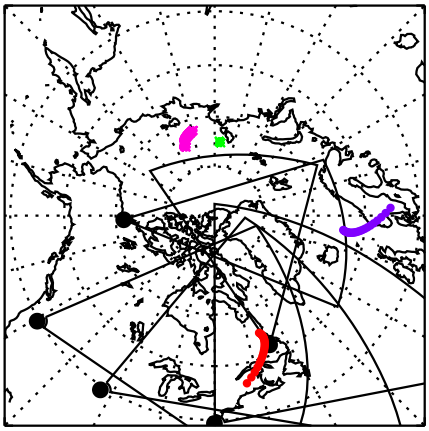


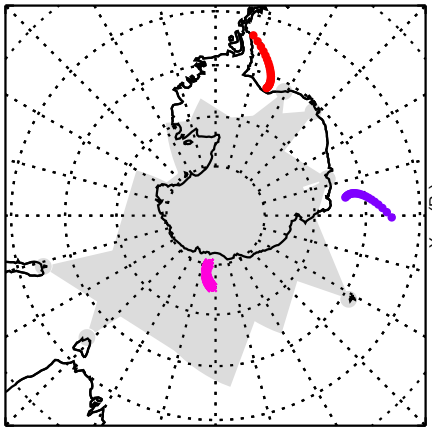
sye

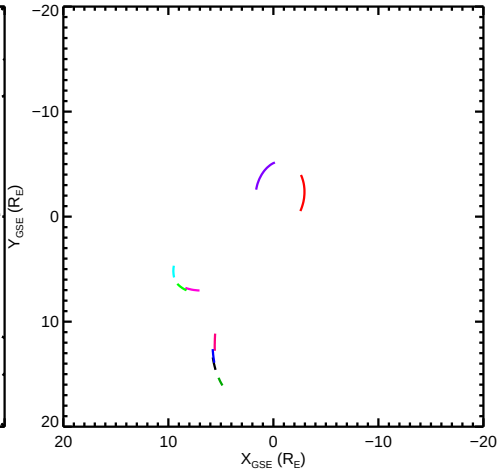




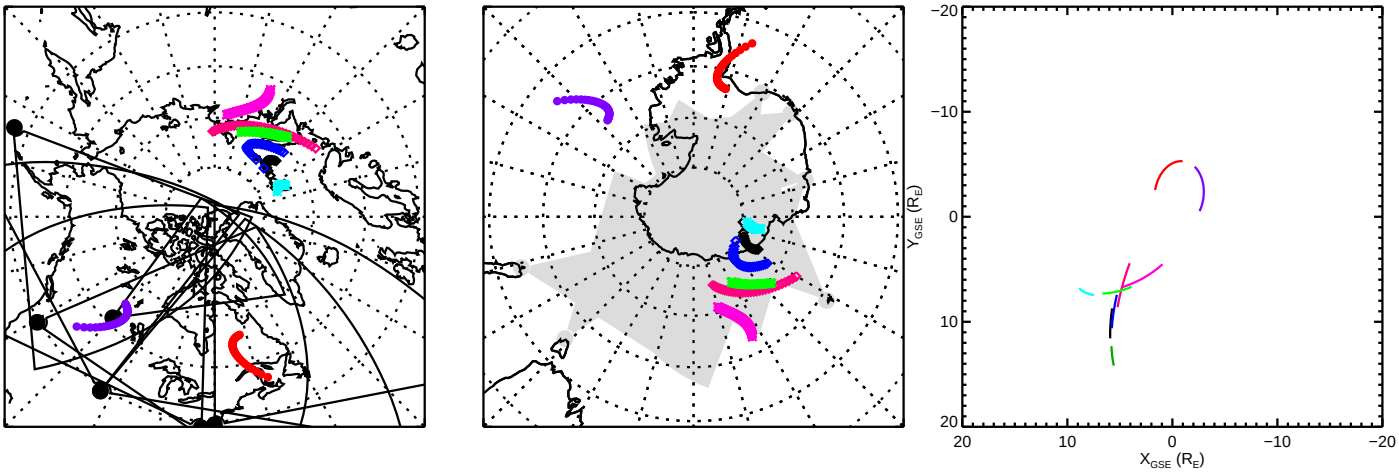
(b) 0445UT to 0645UT
cve fhe gbr inv wal





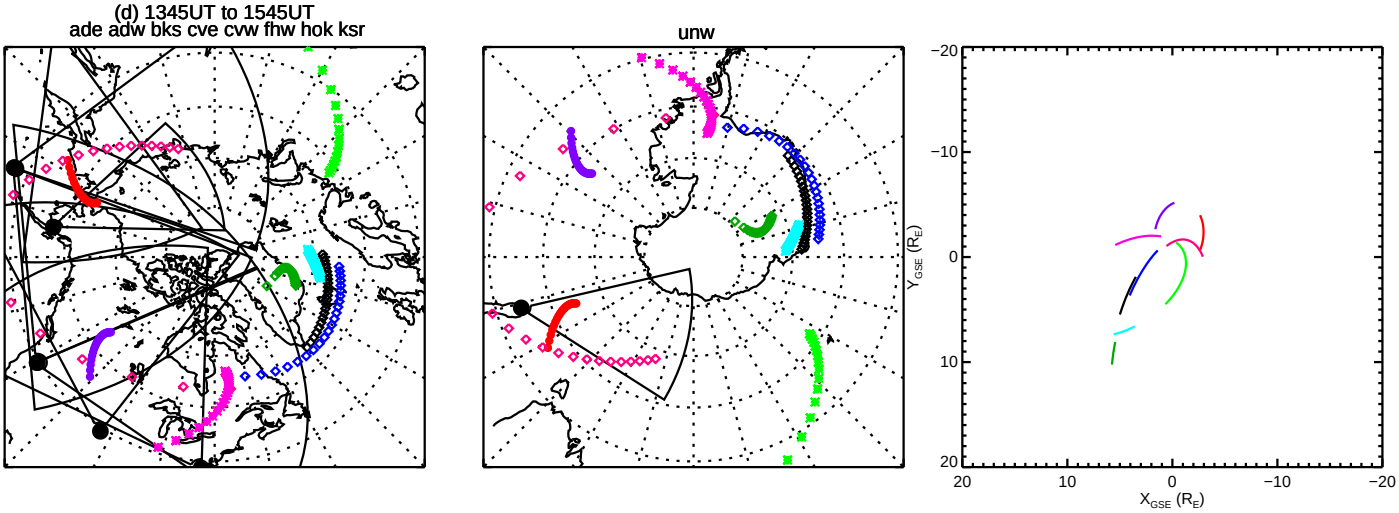


(c) 0850UT to 1140UT
ade bks cve fhe fhw sas wal



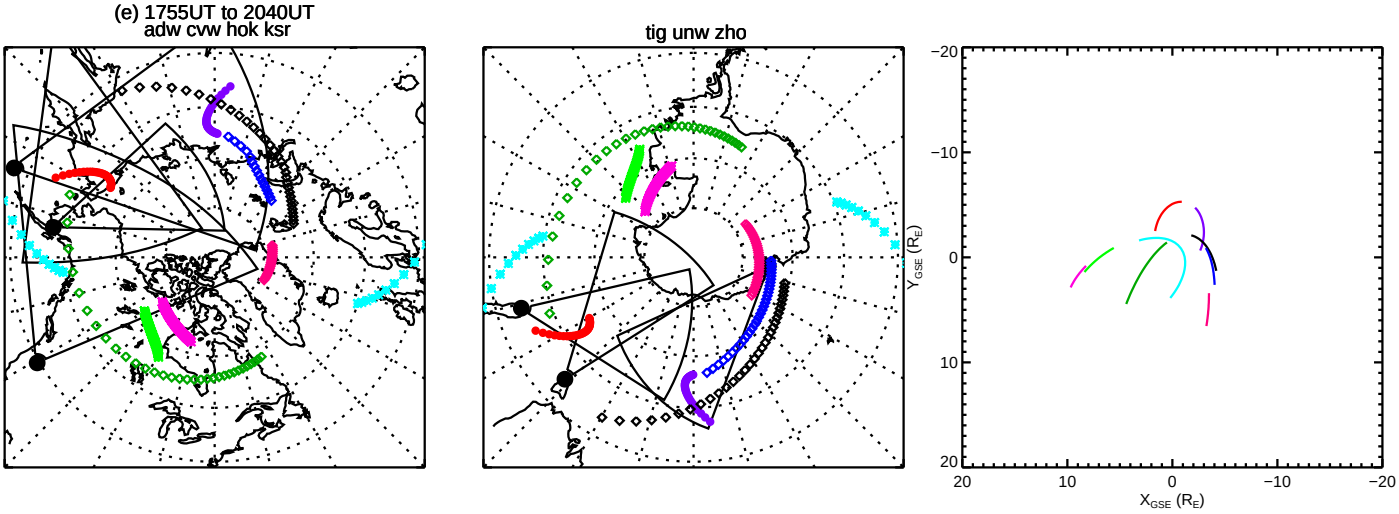
(d) 1345UT to 1545UT
ade adw bks cve cvw fhw hok ksr

unw



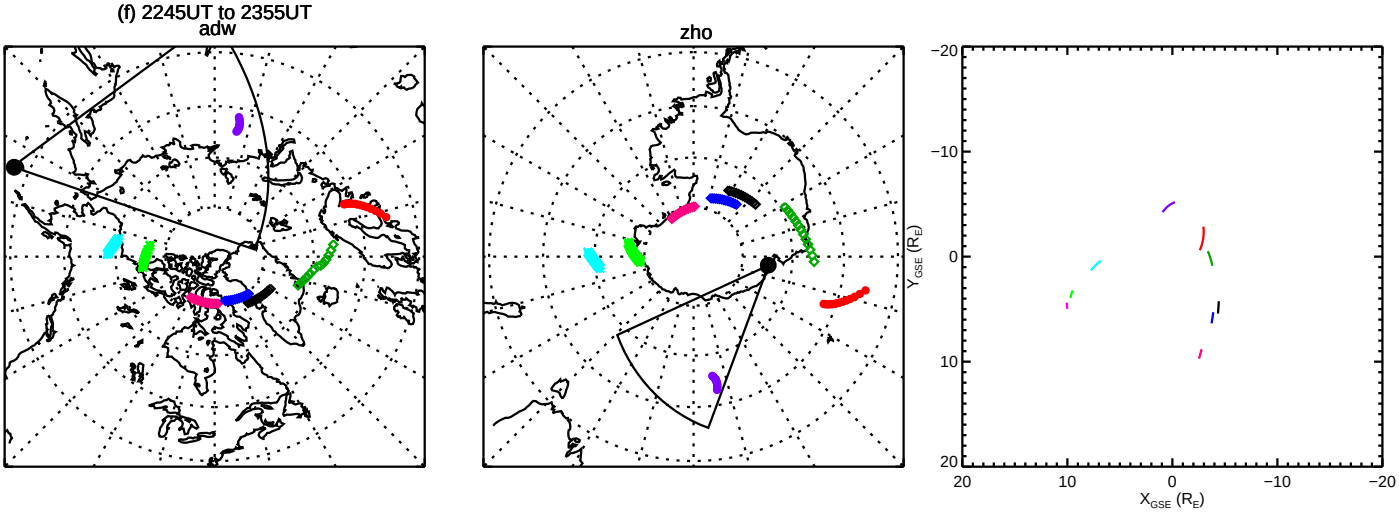
(e) 1755UT to 2040UT
adw cvw hok ksr

tig unw zho



(f) 2245UT to 2355UT
adw

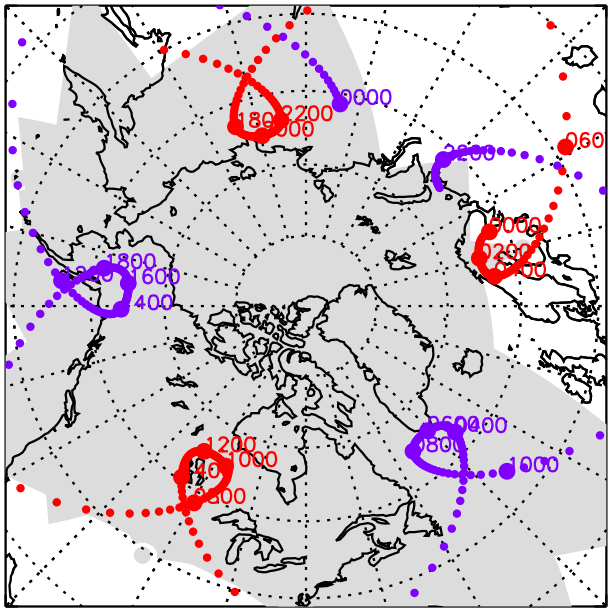
zho

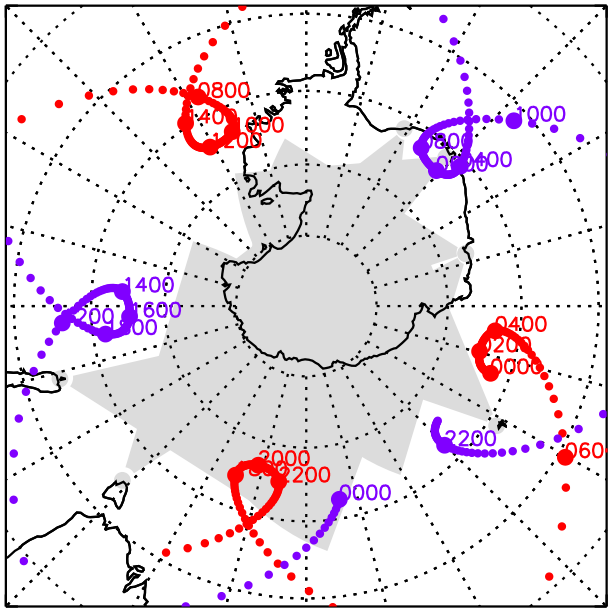


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

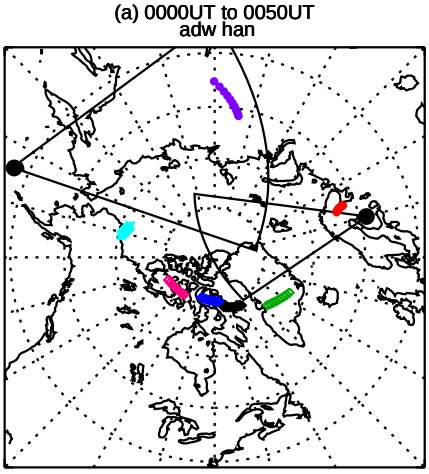
11−Dec−2012

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

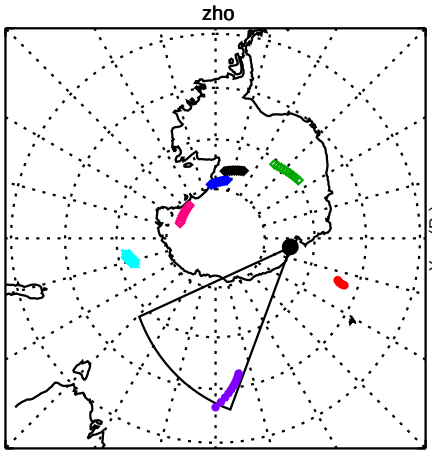


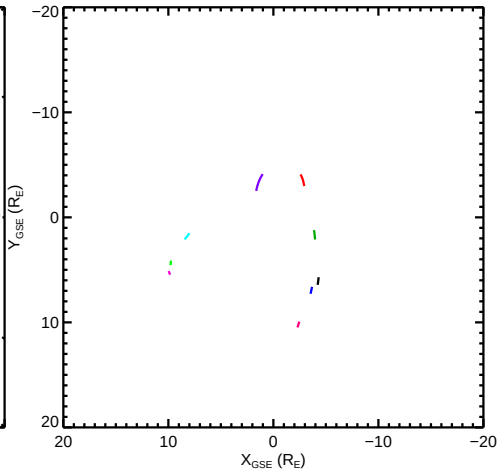


(a) 0000UT to 0050UT
adw han

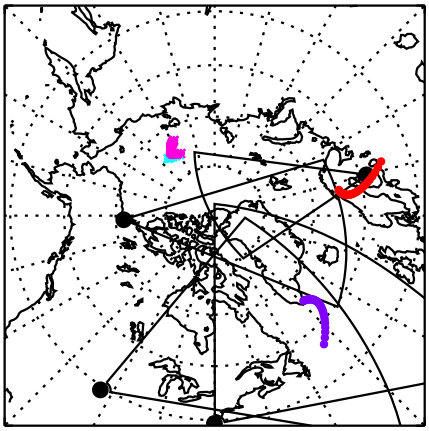


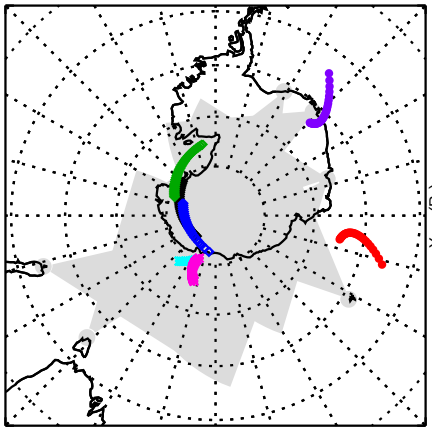
zho

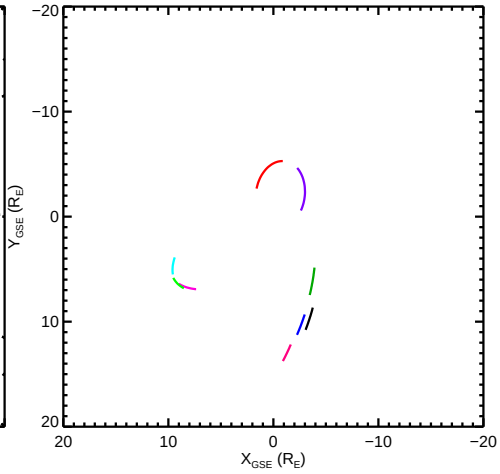




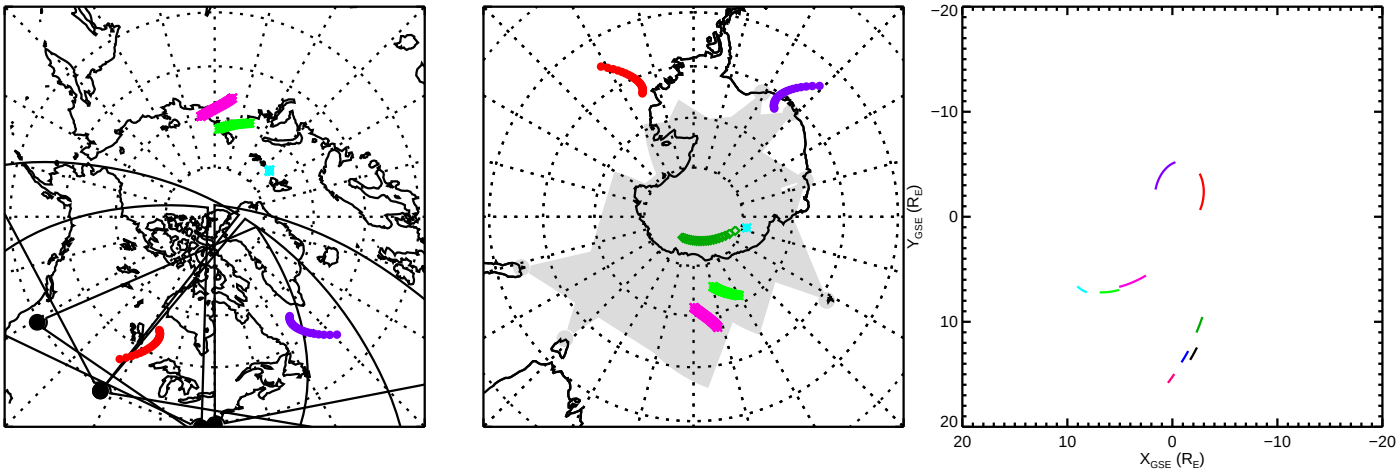
(b) 0255UT to 0535UT
fhe han inv wal



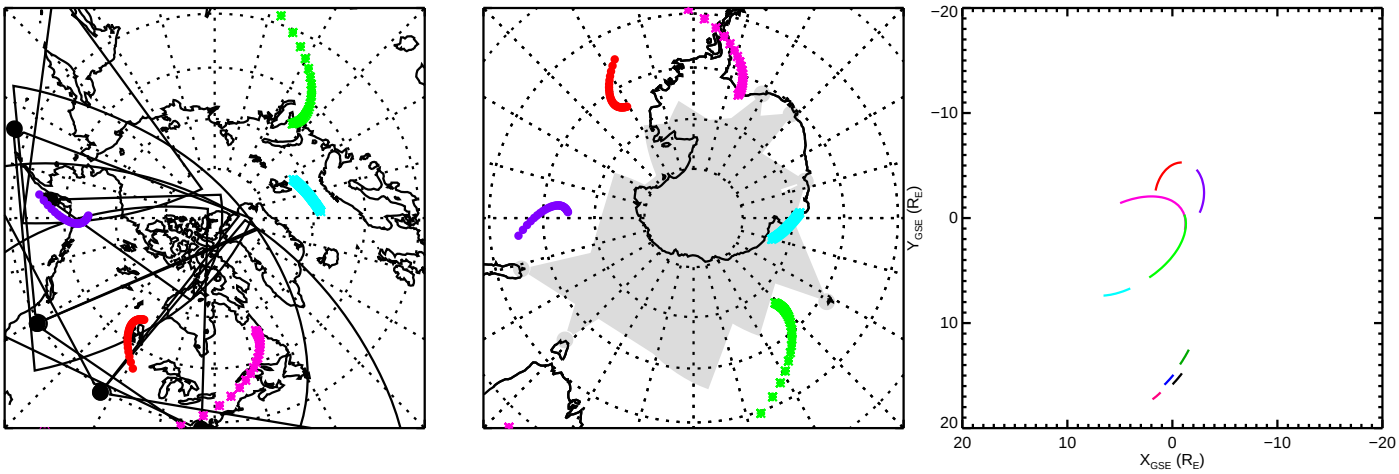




(c) 0745UT to 0950UT
bks cve fhe fhw wal

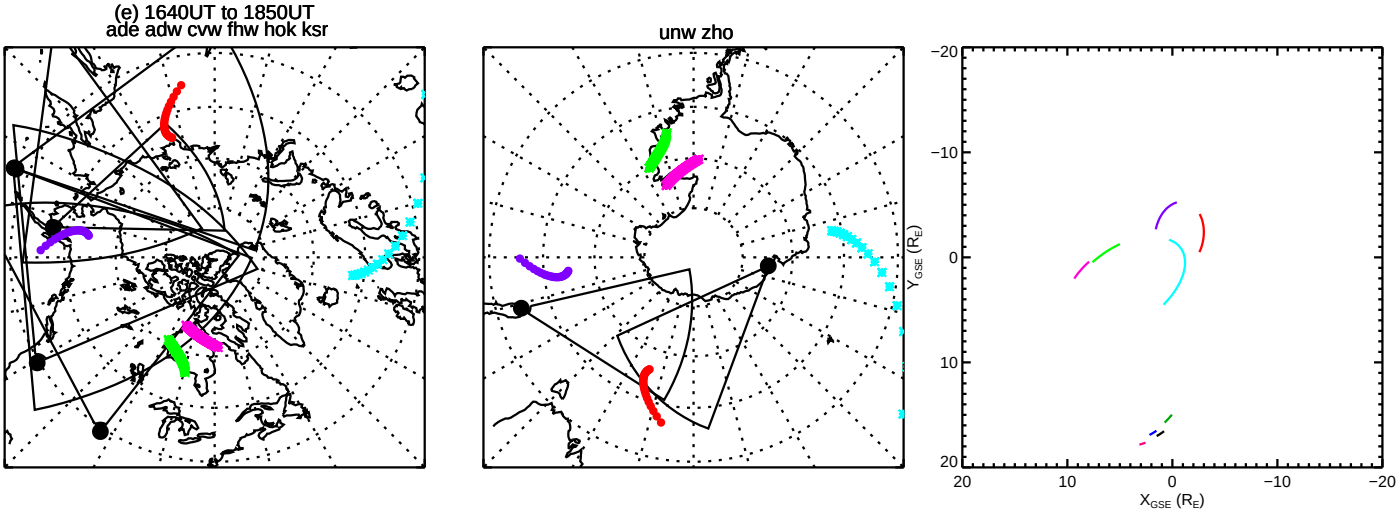


(d) 1155UT to 1435UT
ade bks cve cvw fhe fhw hok kod



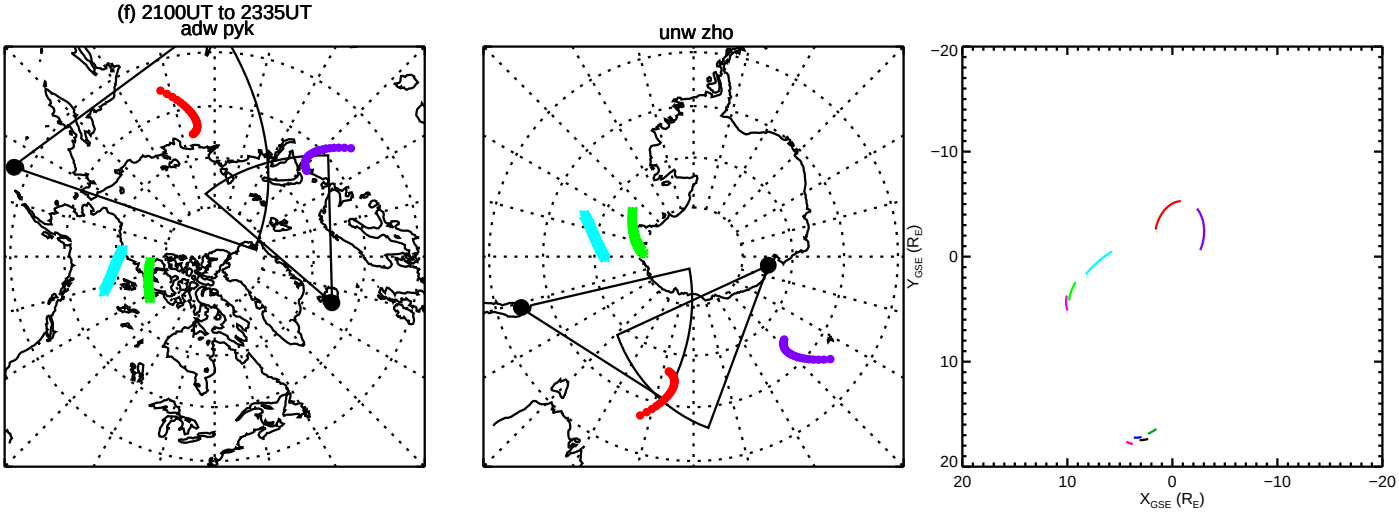
(e) 1640UT to 1850UT
ade adw cvw fhw hok ksr

unw zho



(f) 2100UT to 2335UT
adw pyk

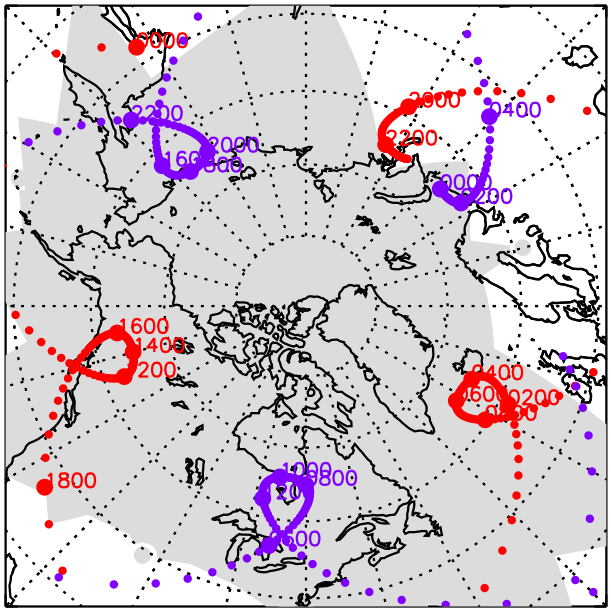
unw zho

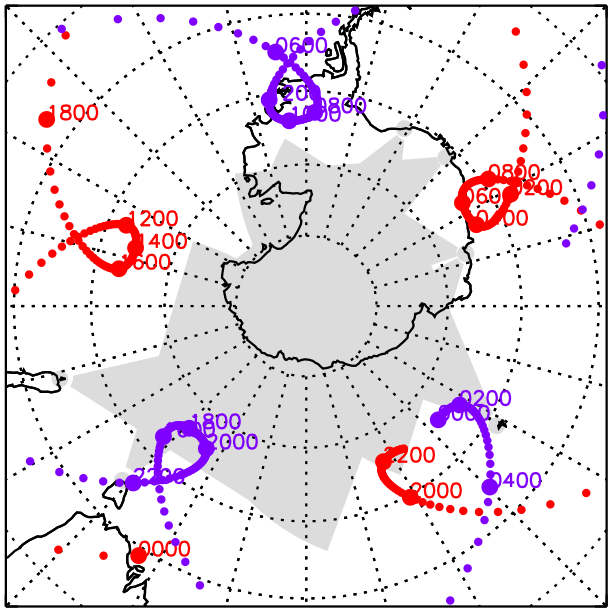


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

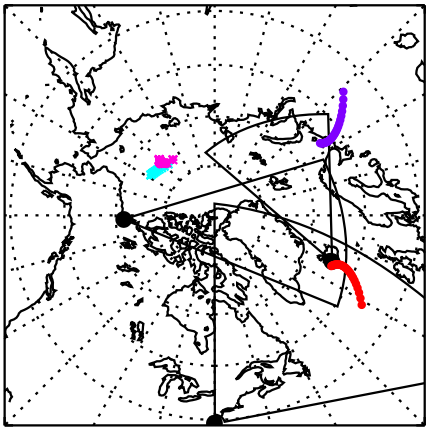
12−Dec−2012

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

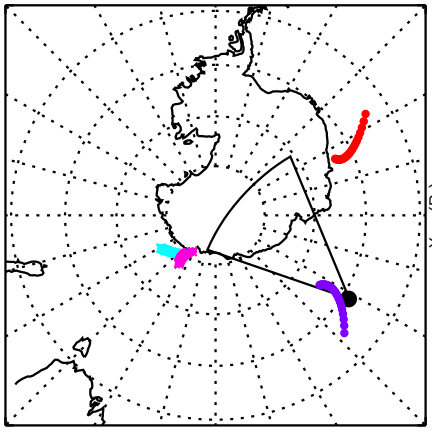


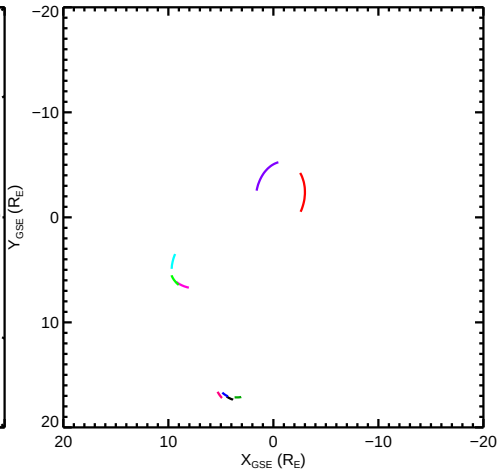


(a) 0140UT to 0355UT
inv pyk wal

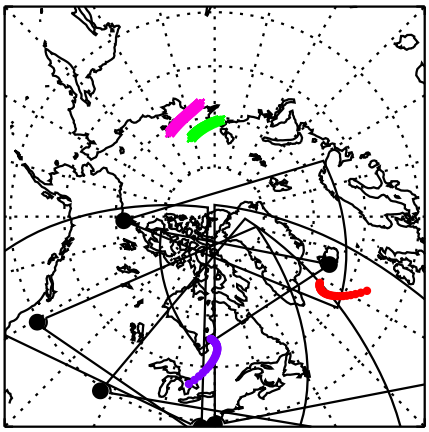


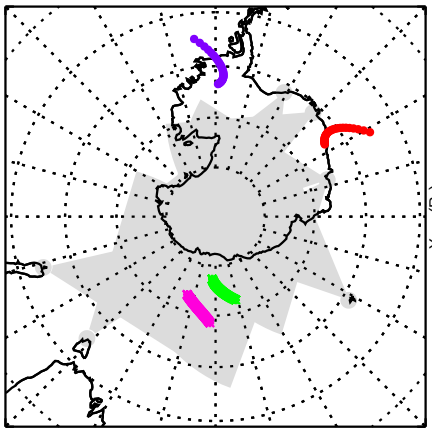
ker

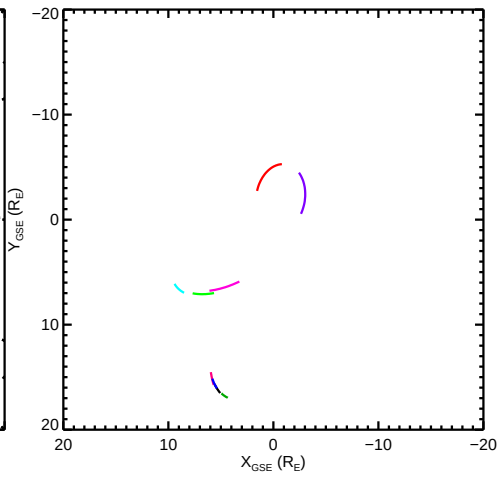




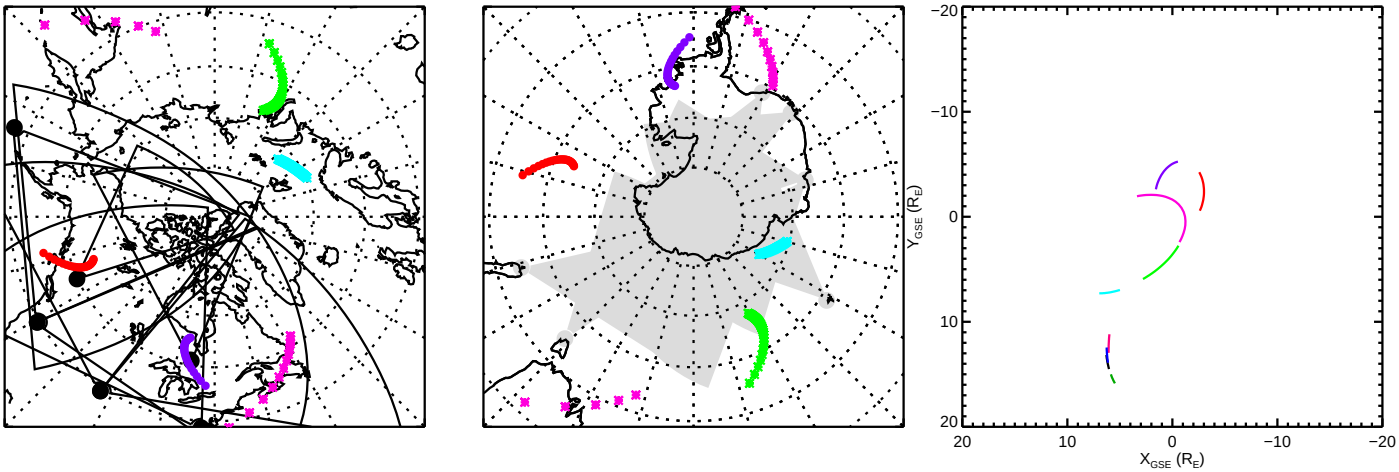
(b) 0600UT to 0830UT
bks cve fhe inv sto wal





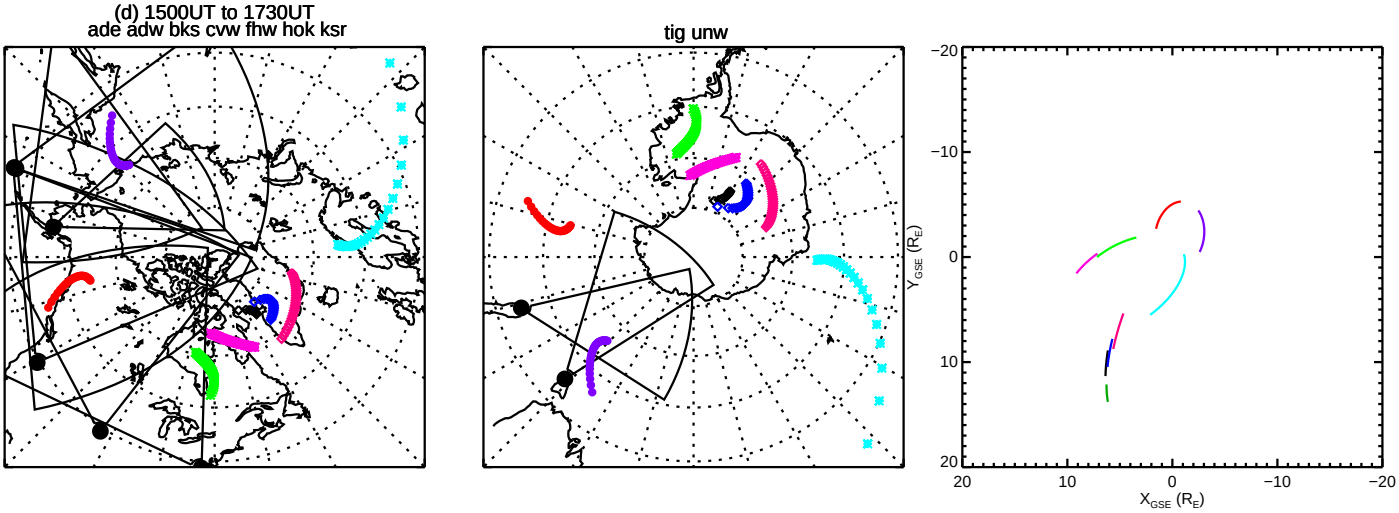


(c) 1040UT to 1255UT
ade bks cve cvw fhe fhw kap pgr



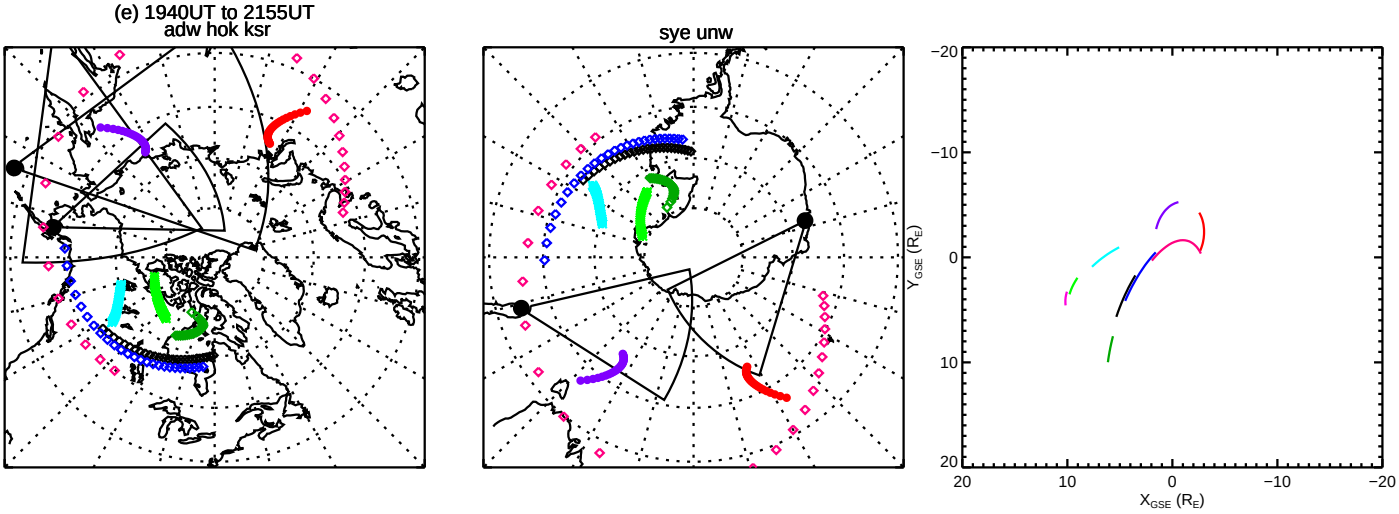
(d) 1500UT to 1730UT
ade adw bks cvw fhw hok ksr

tig unw



(e) 1940UT to 2155UT
adw hok ksr

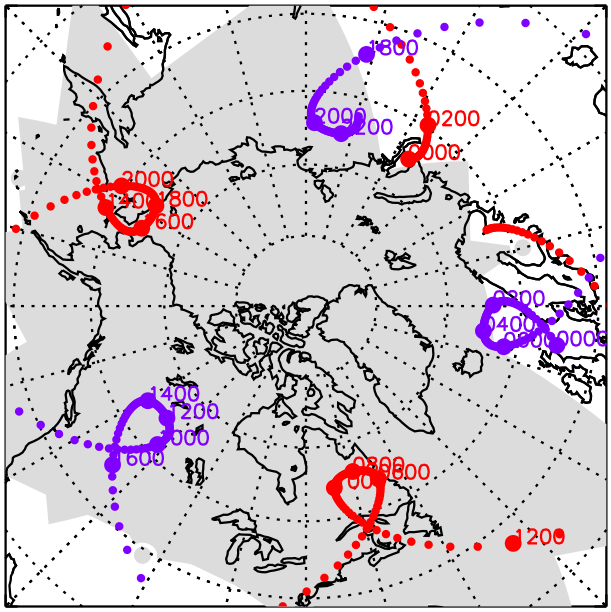
sye unw

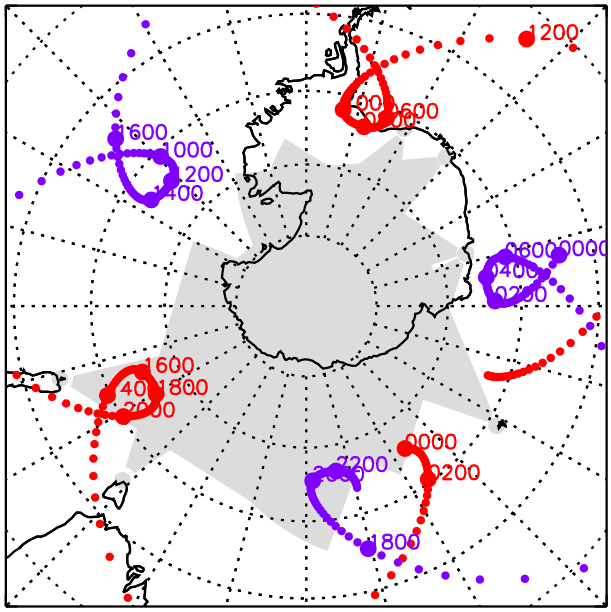


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

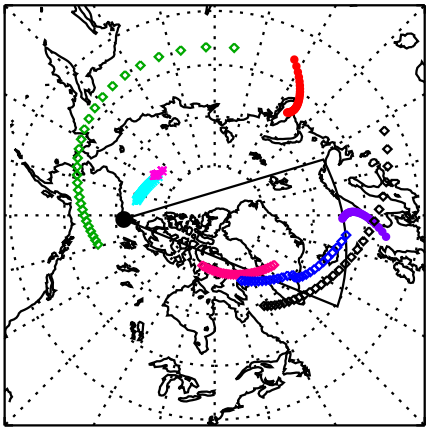
13−Dec−2012

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

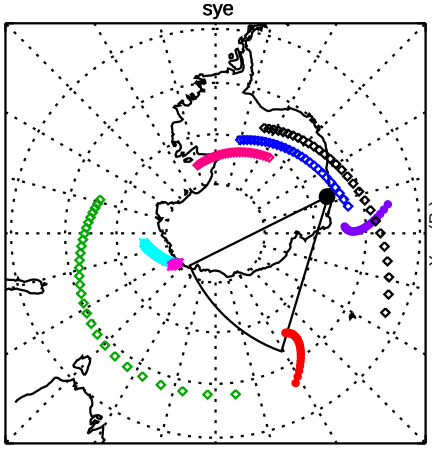


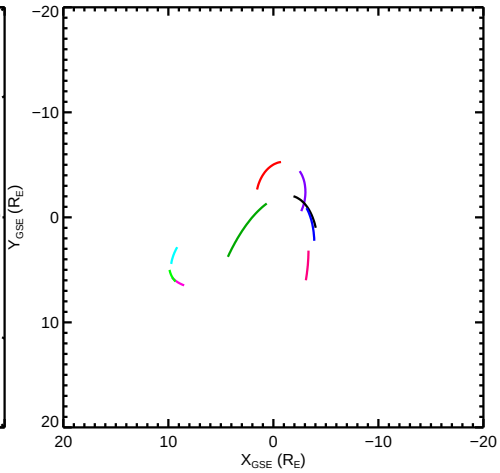


(a) 0005UT to 0230UT
inv

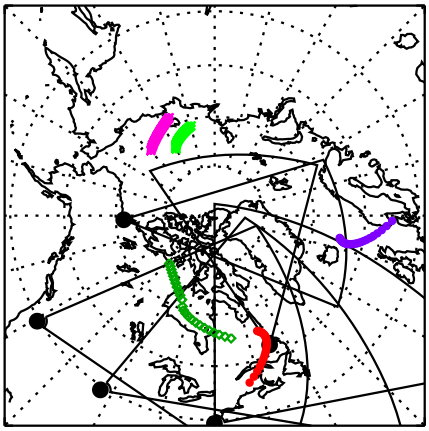


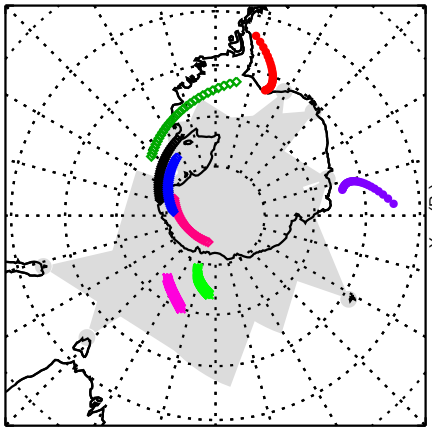
sye

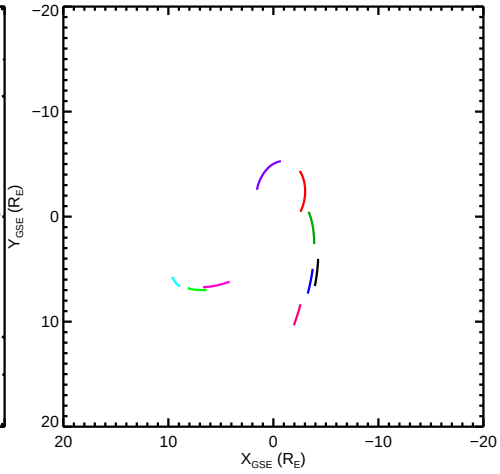




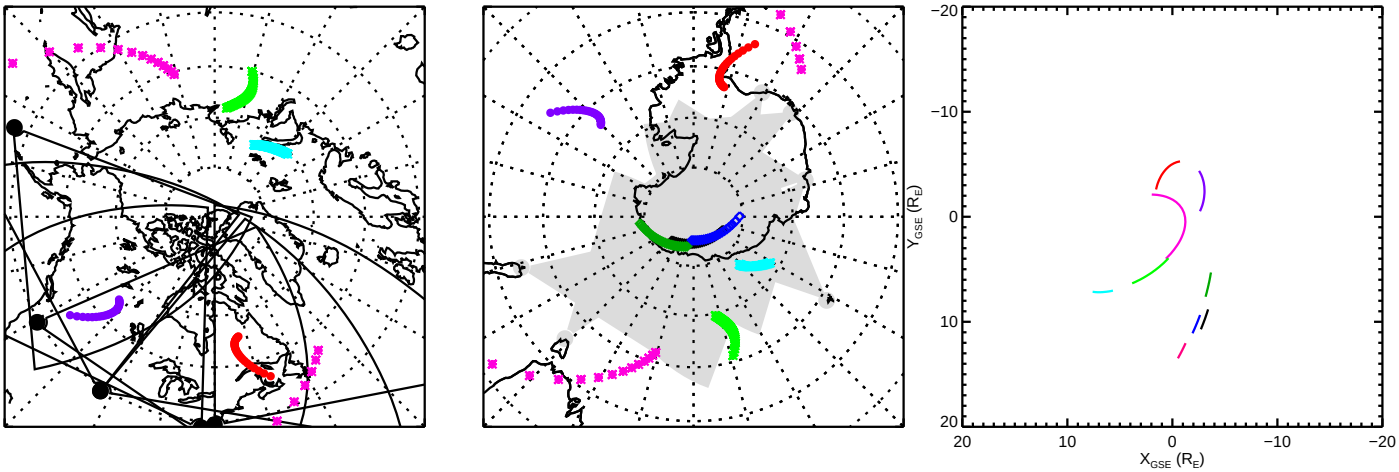
(b) 0435UT to 0700UT
cve fhe gbr inv wal





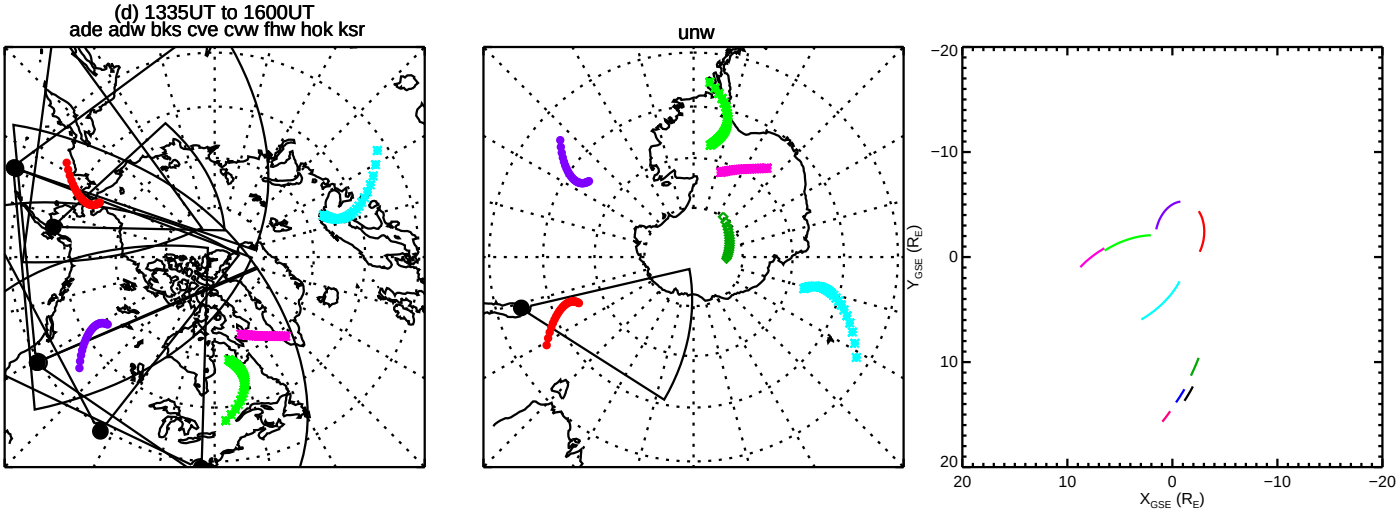


(c) 0905UT to 1130UT
ade bks cve fhe fhw wal



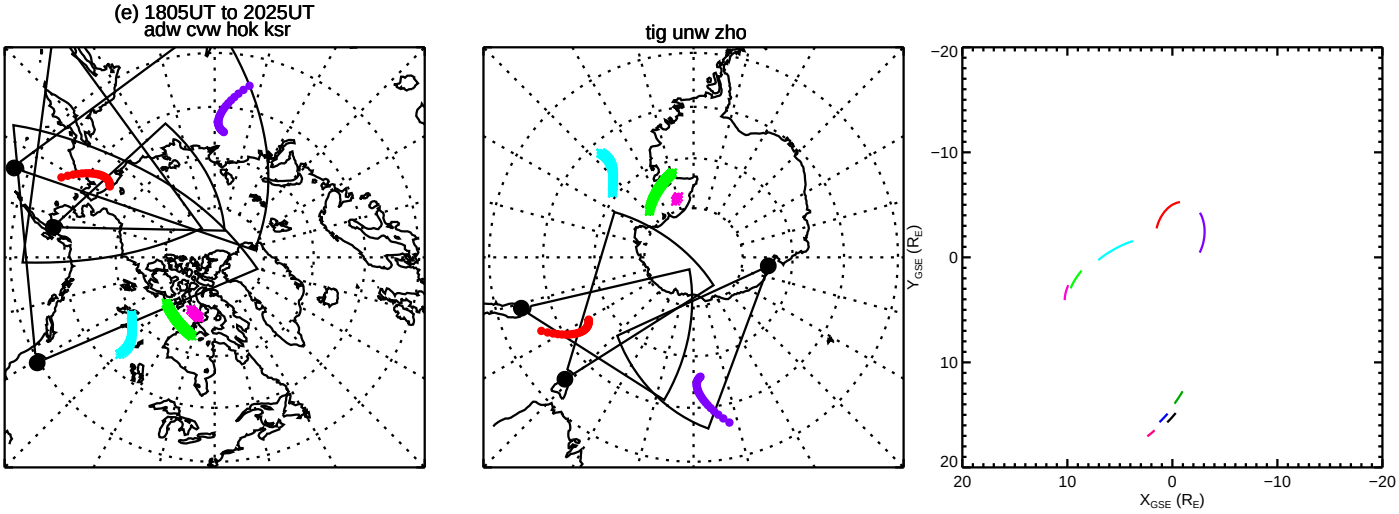
(d) 1335UT to 1600UT
ade adw bks cve cvw fhw hok ksr

unw



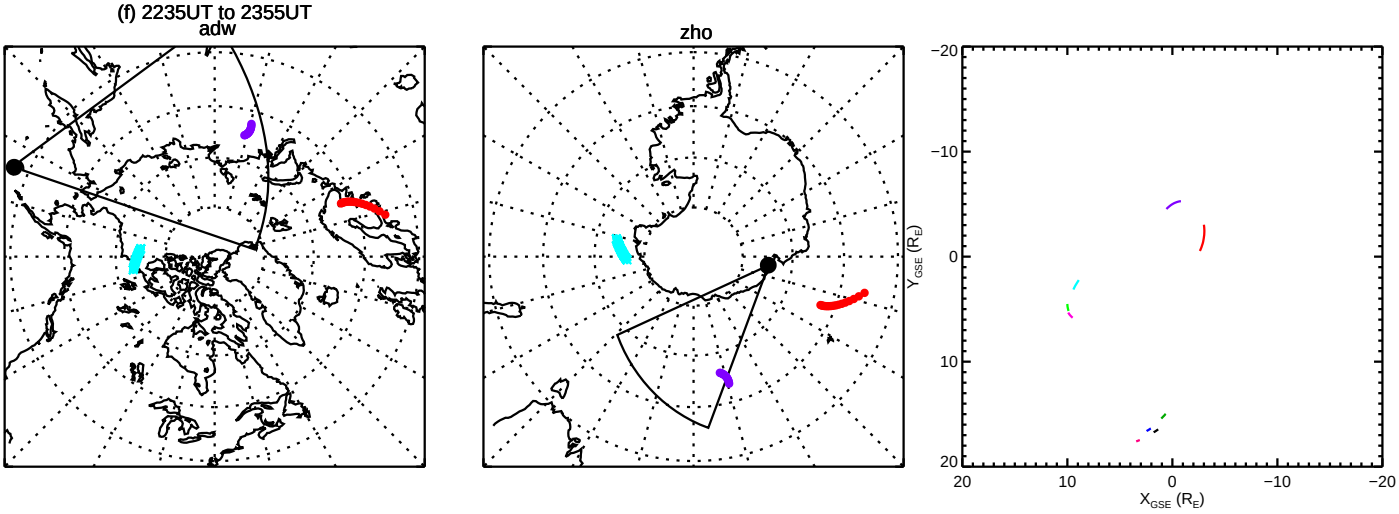
(e) 1805UT to 2025UT
adw cvw hok ksr

tig unw zho



(f) 2235UT to 2355UT
adw

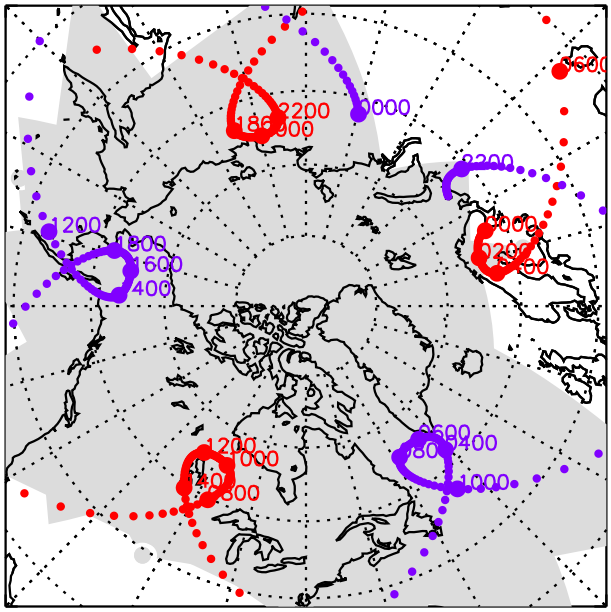
zho

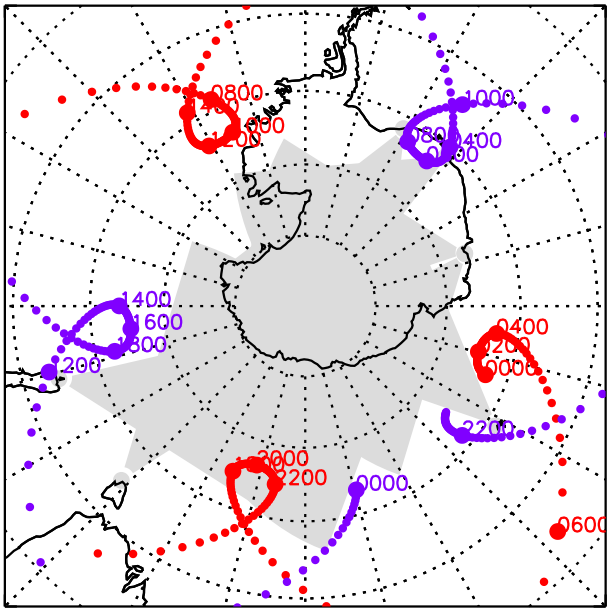


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

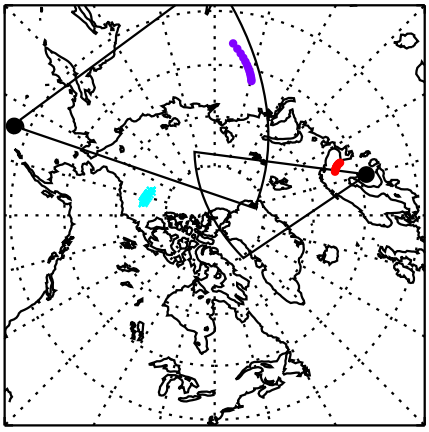
14−Dec−2012

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

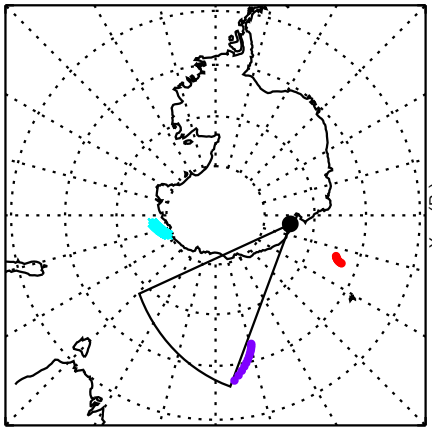


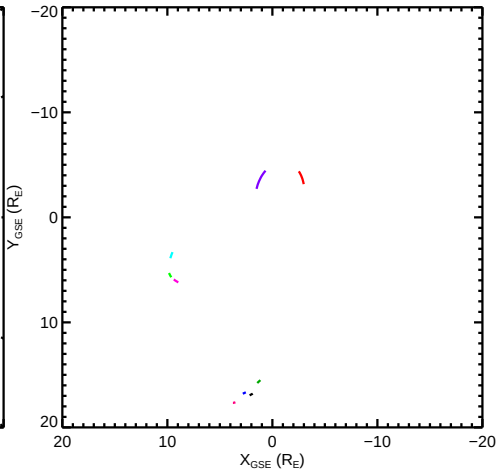


(a) 0000UT to 0100UT
adw han

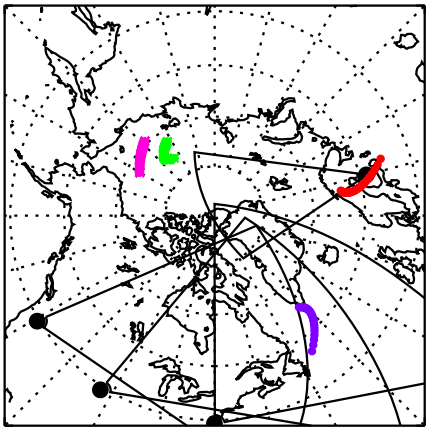


zho

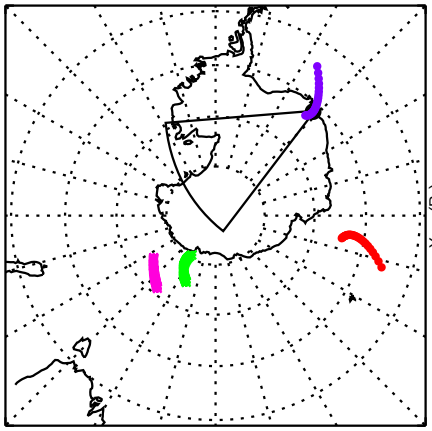


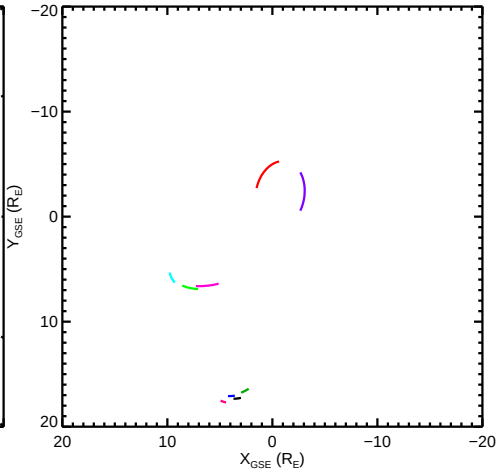


(b) 0310UT to 0525UT
cve fhe han wal

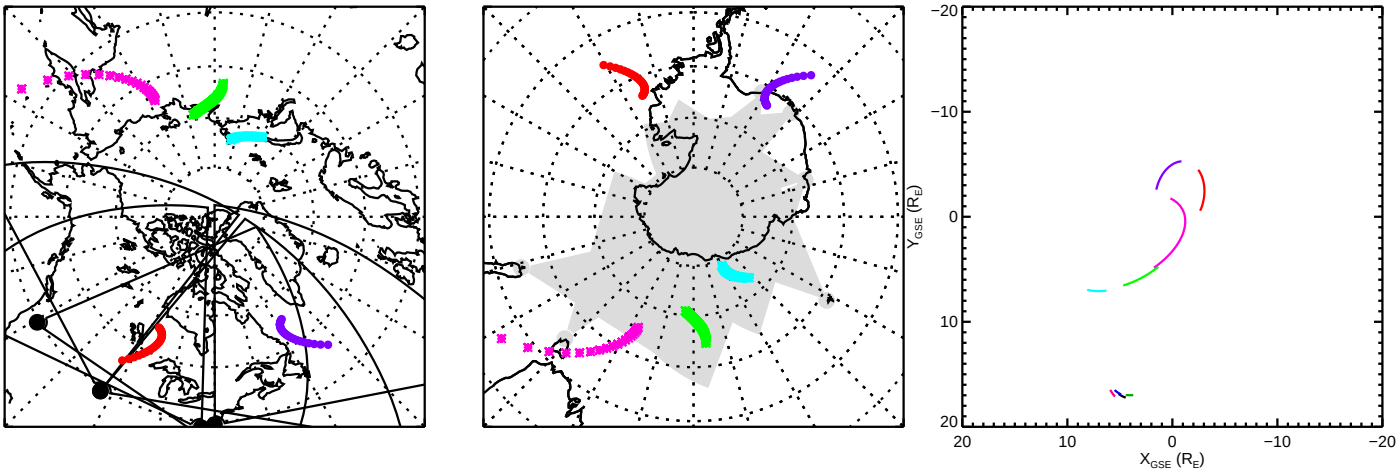


san

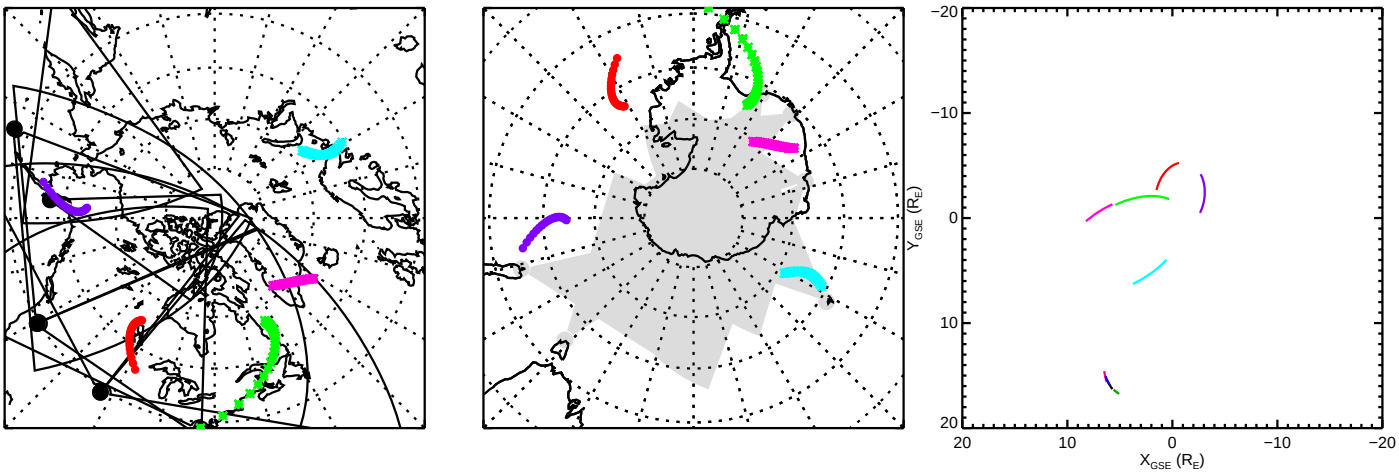




(c) 0735UT to 1005UT
bks cve fhe fhw wal

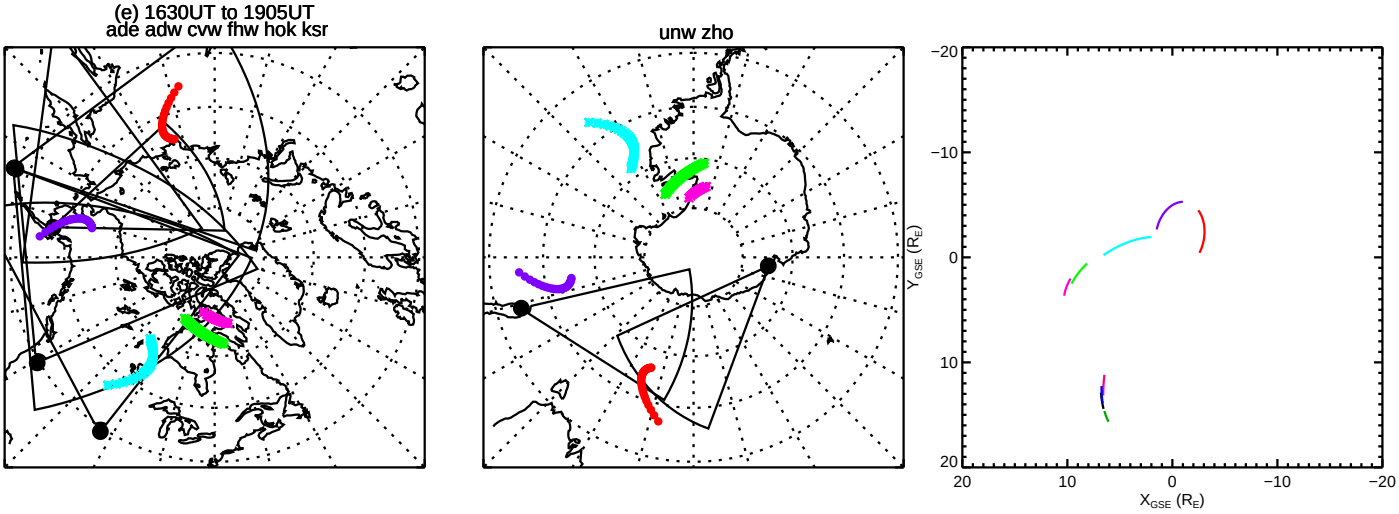


(d) 1210UT to 1425UT
ade bks cve cvw fhe fhw hok kod



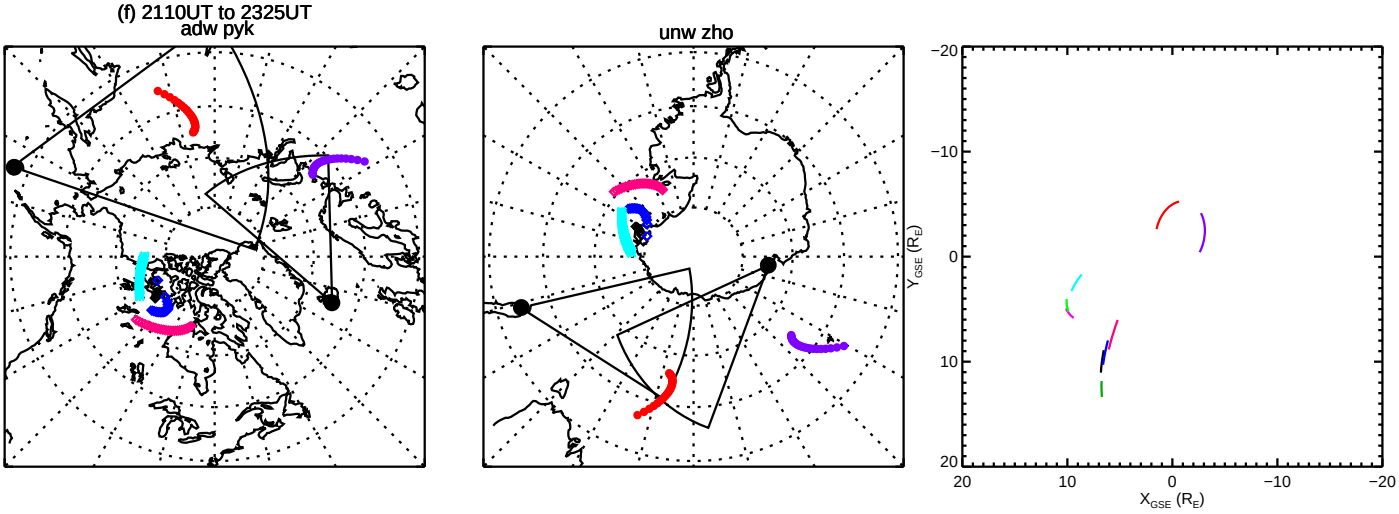
(e) 1630UT to 1905UT
ade adw cvw fhw hok ksr

unw zho



(f) 2110UT to 2325UT
adw pyk

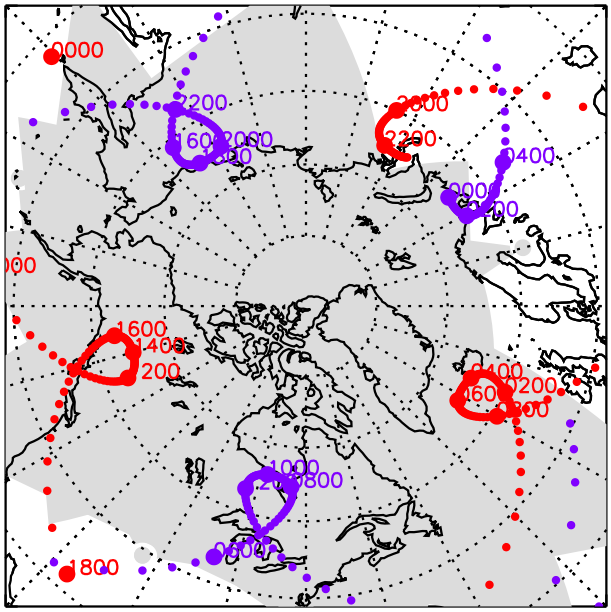
unw zho

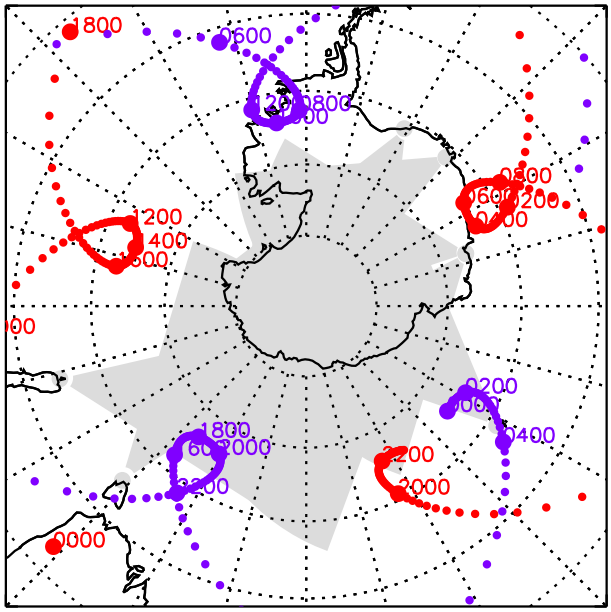


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

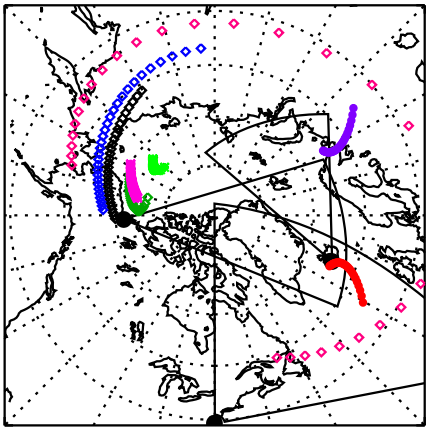
15−Dec−2012

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

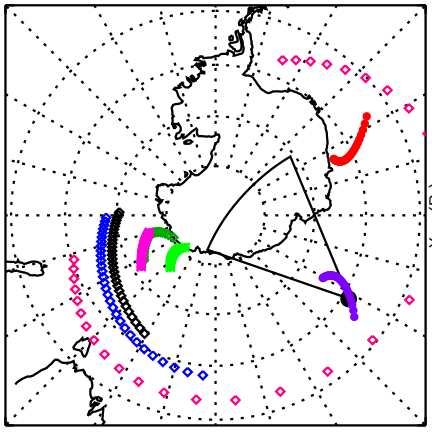


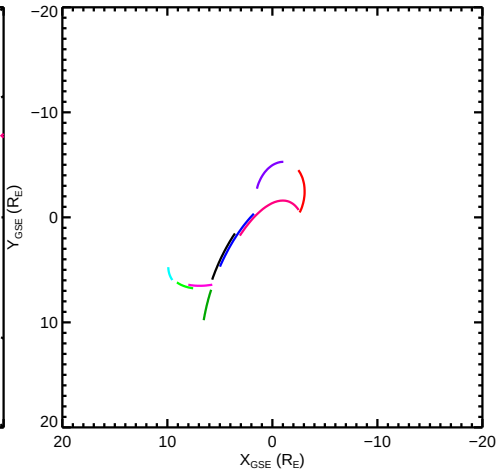


(a) 0130UT to 0405UT
inv pyk wal

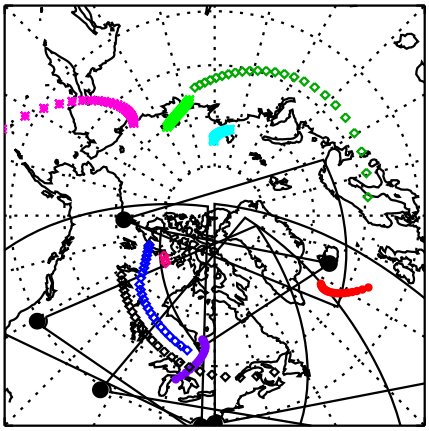


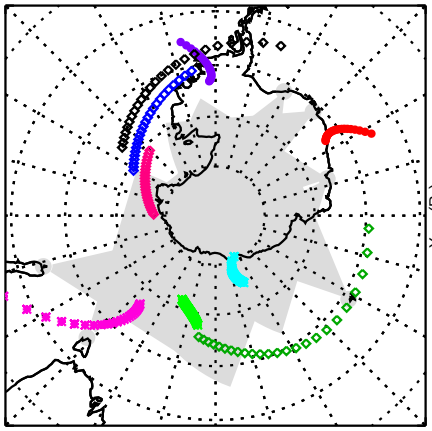
ker

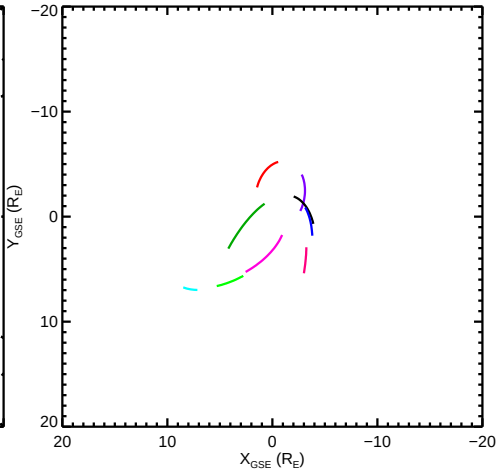




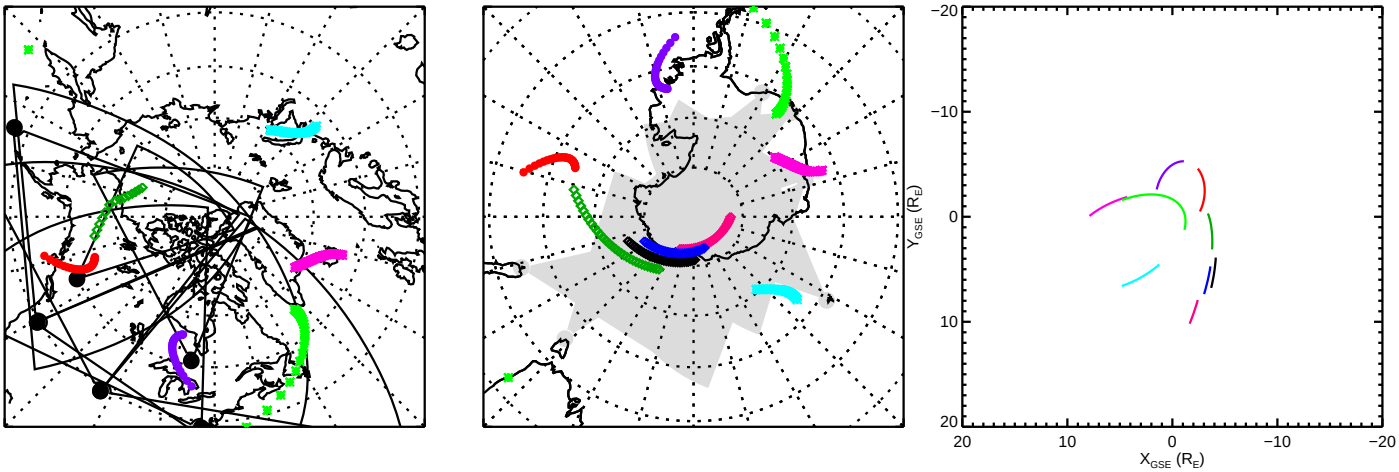
(b) 0615UT to 0820UT
bks cve fhe inv sto wal





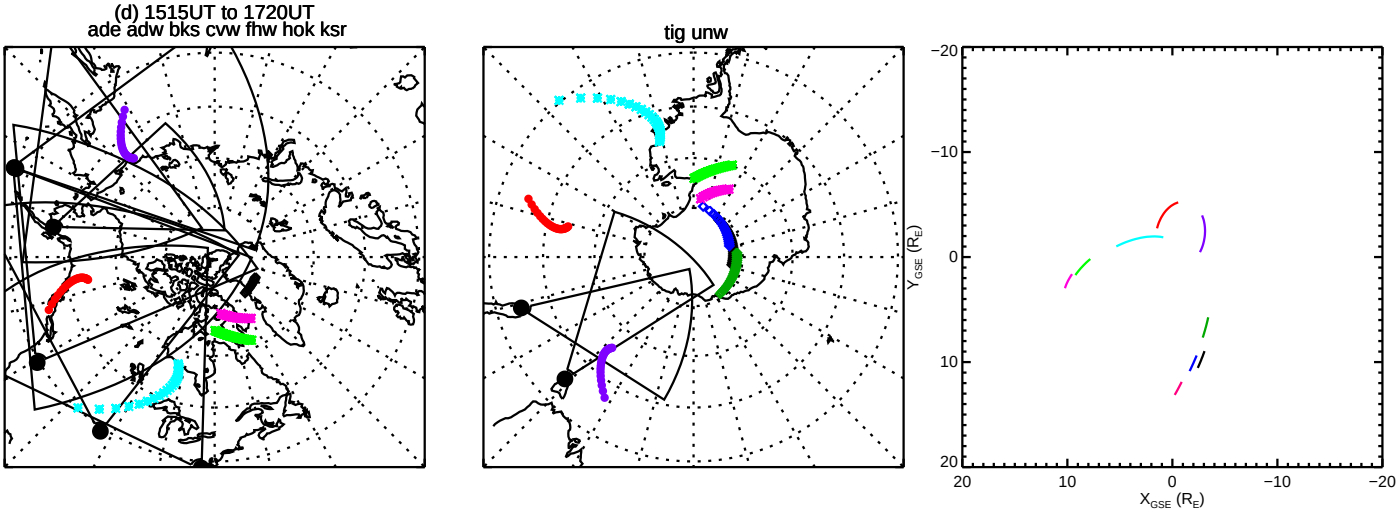


(c) 1030UT to 1310UT
ade bks cve cvw fhe fhw kap pgr



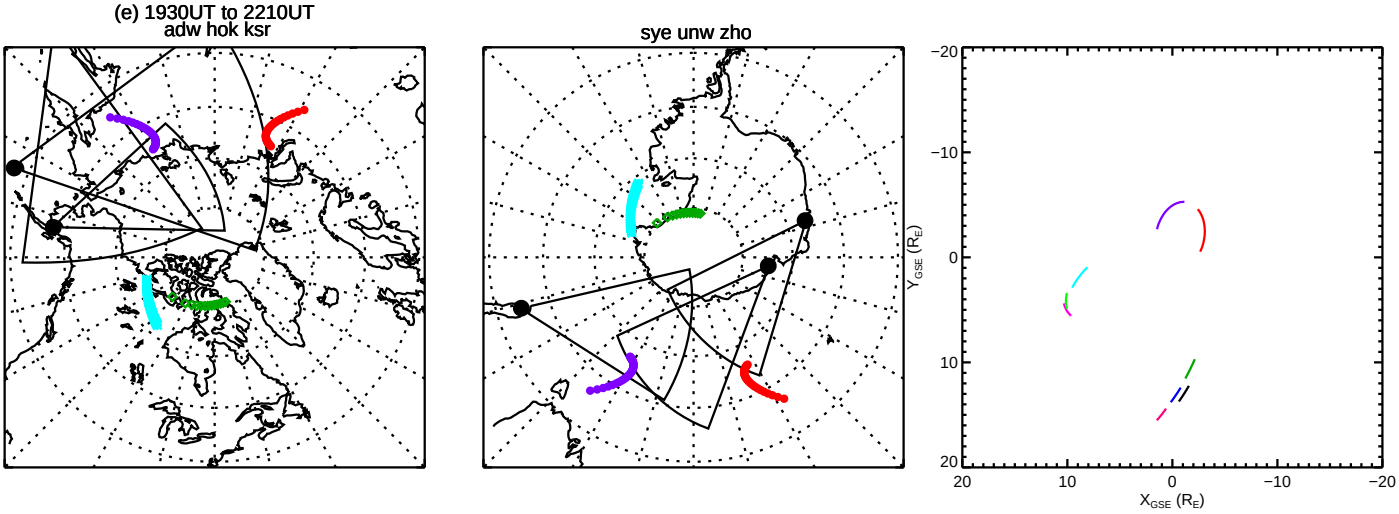
(d) 1515UT to 1720UT
ade adw bks cvw fhw hok ksr

tig unw



(e) 1930UT to 2210UT
adw hok ksr

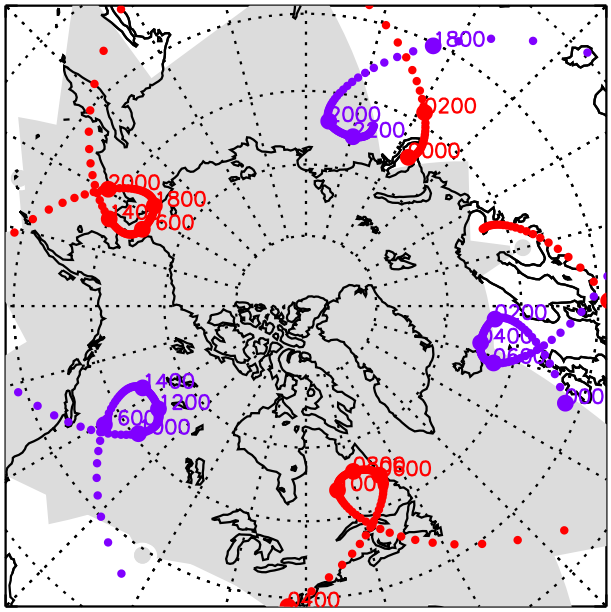
sye unw zho

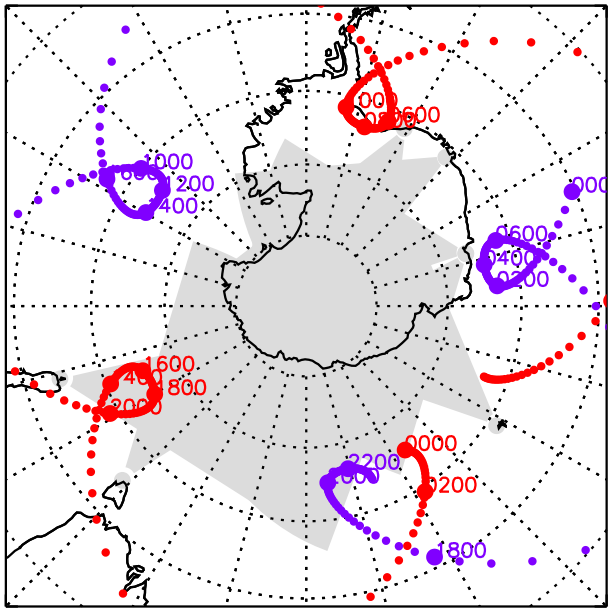


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

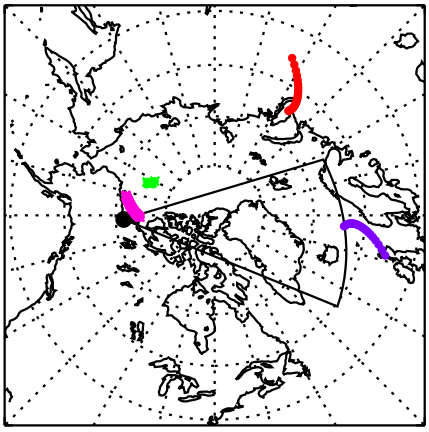
16−Dec−2012

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

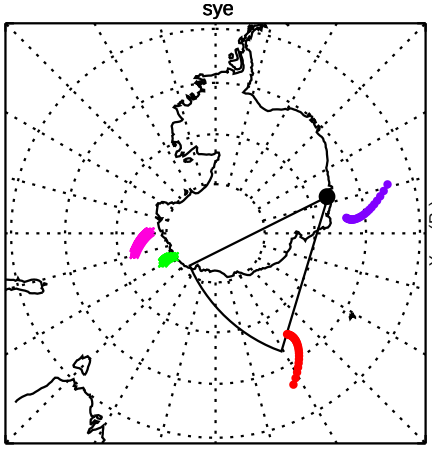


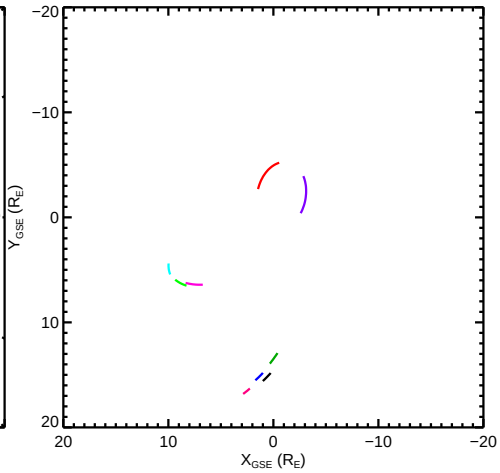


(a) 0015UT to 0220UT
inv

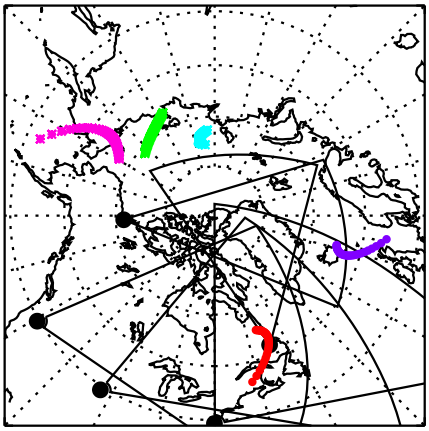


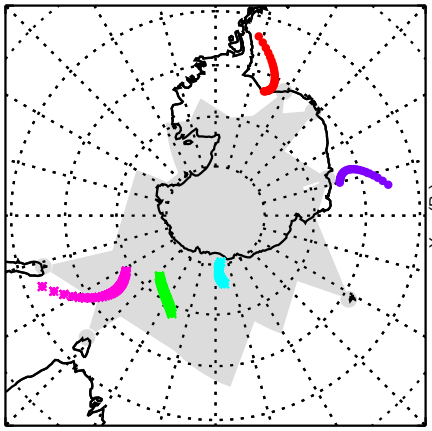
sye

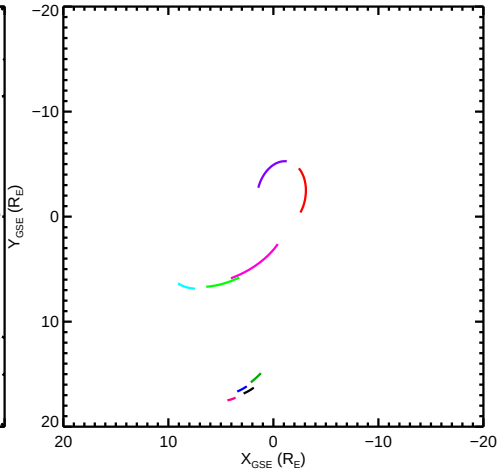




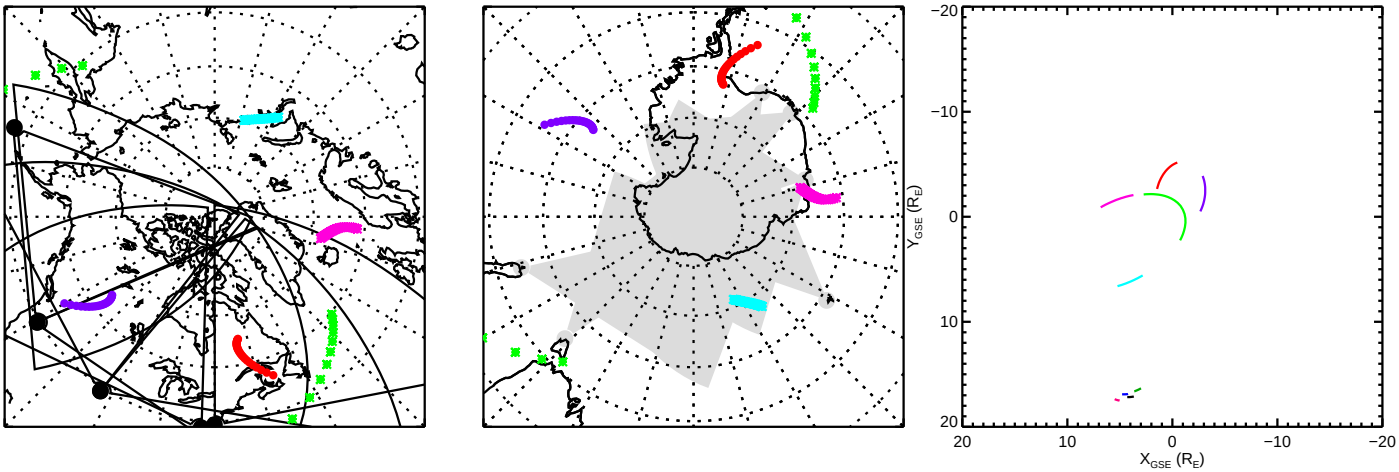
(b) 0425UT to 0710UT
cve fhe gbr inv wal





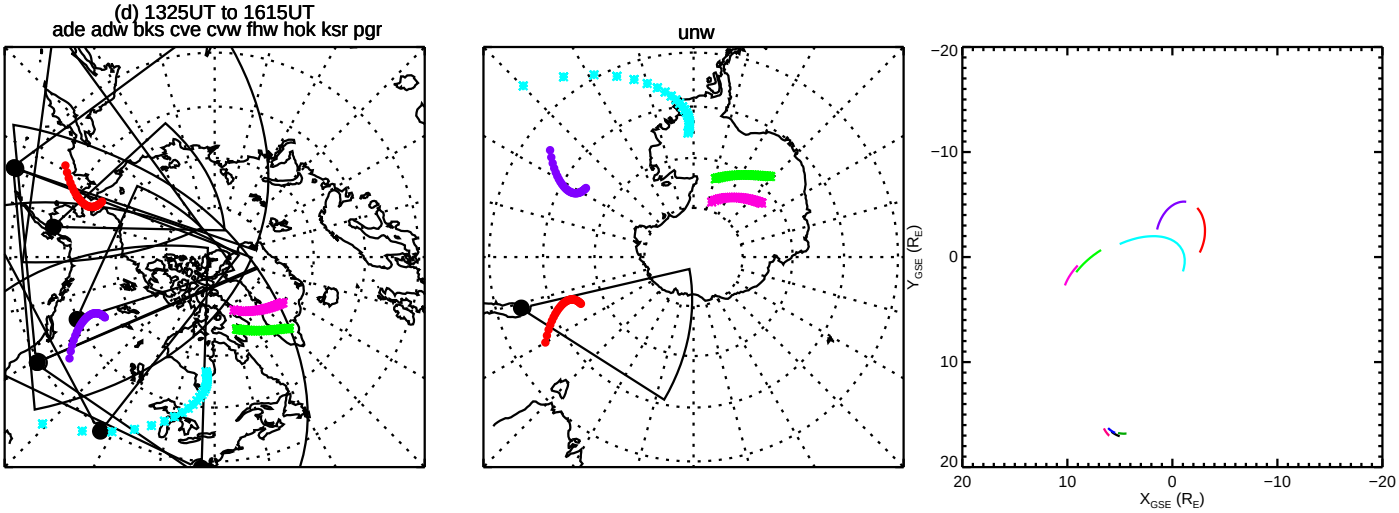


(c) 0920UT to 1120UT
ade bks cve cvw fhe fhw wal



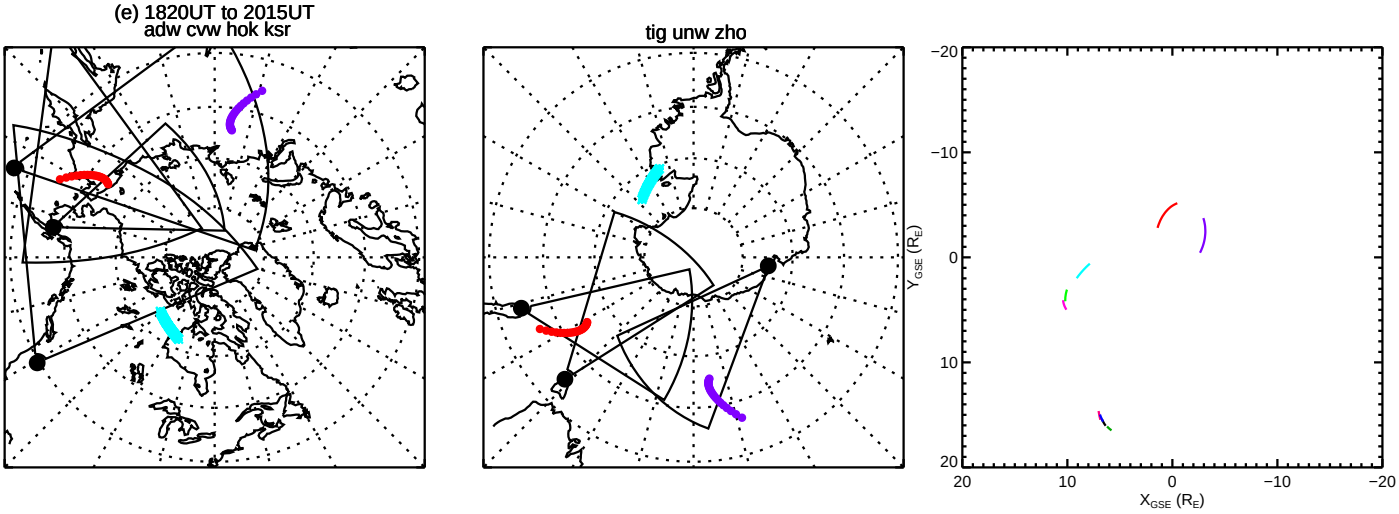
(d) 1325UT to 1615UT
ade adw bks cve cvw fhw hok ksr pgr

unw



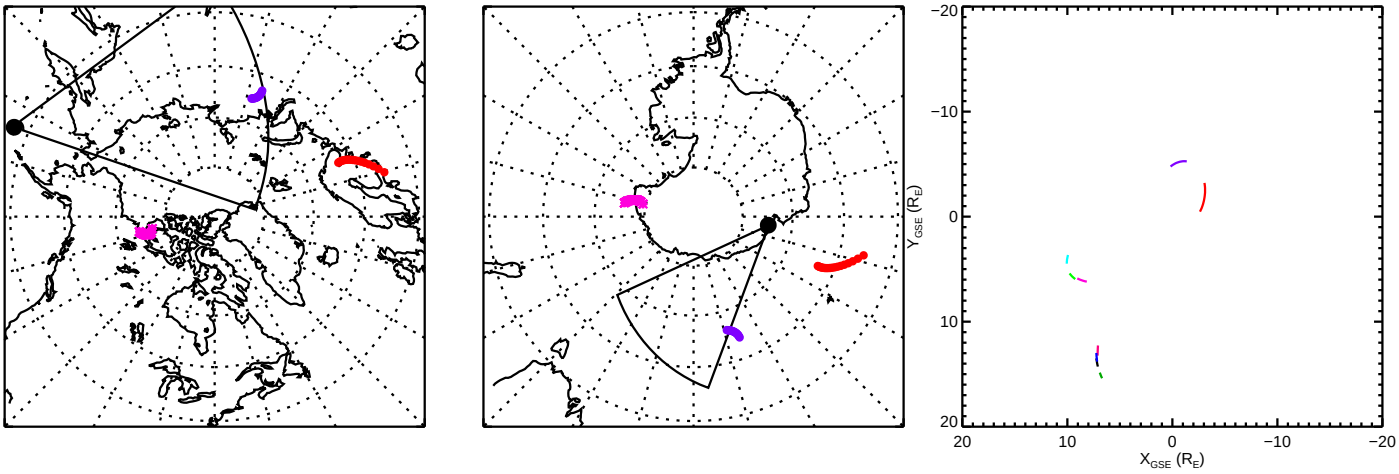
(e) 1820UT to 2015UT
adw cvw hok ksr

tig unw zho



(f) 2225UT to 2355UT
adw

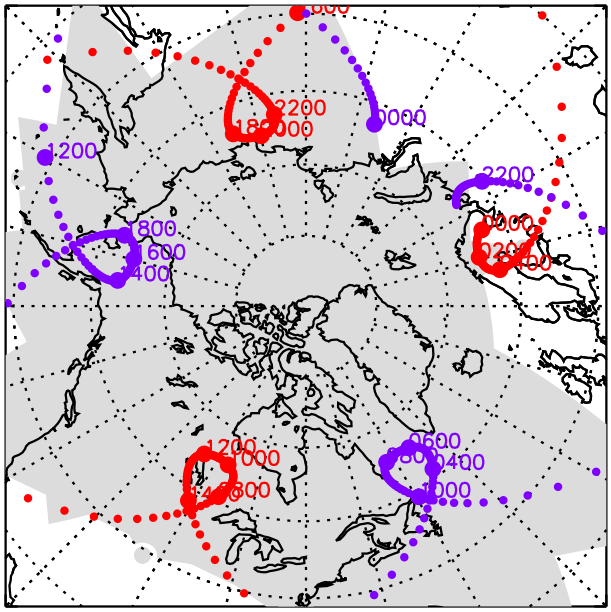
zho

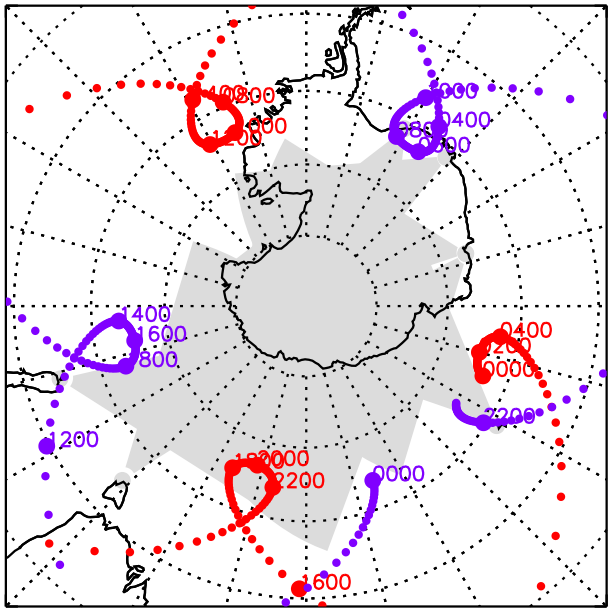


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

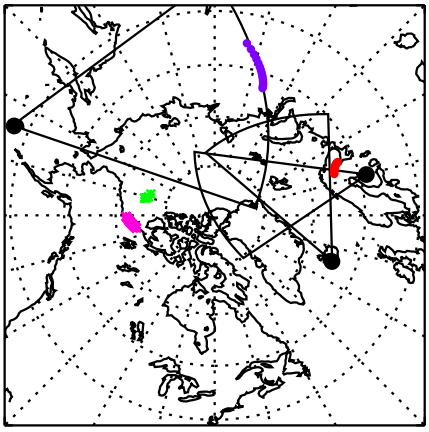
17−Dec−2012

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

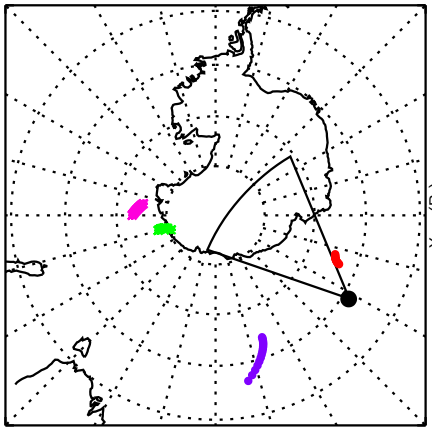


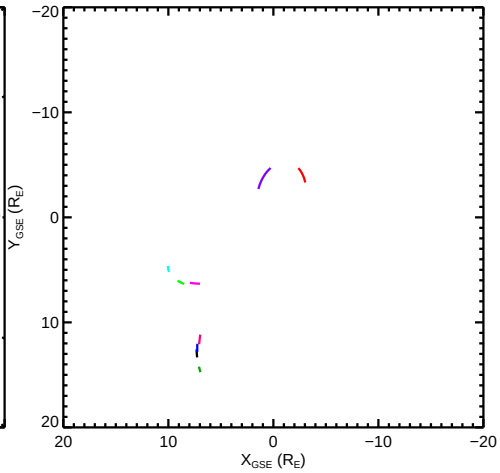


(a) 0000UT to 0115UT
adw han pyk

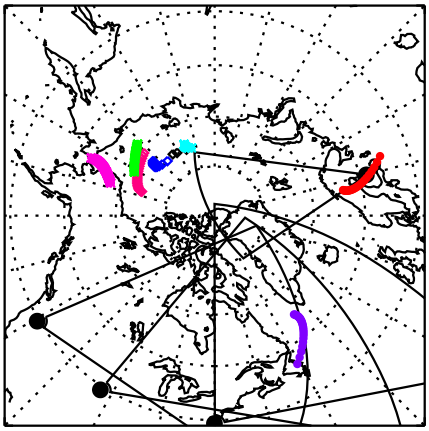


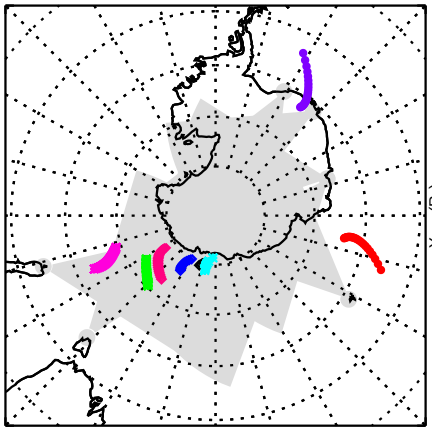
ker

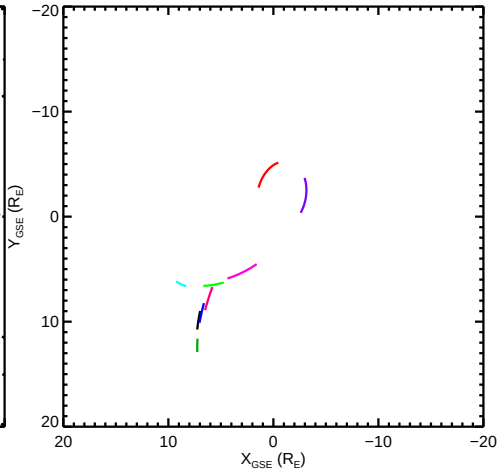




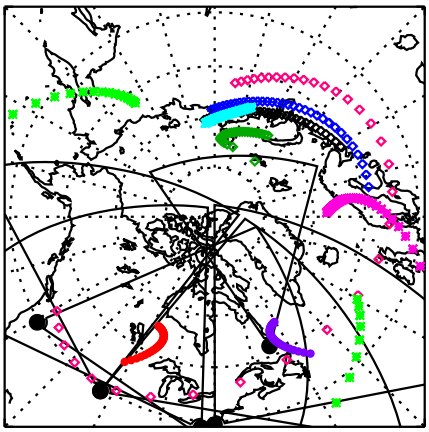
(b) 0320UT to 0515UT
cve fhe han wal



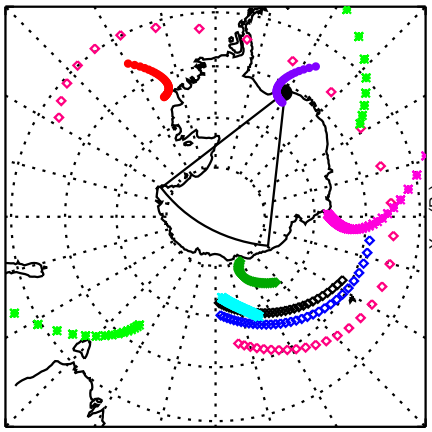


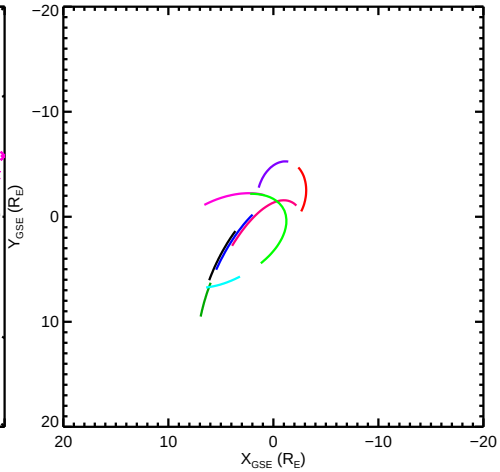


(c) 0725UT to 1015UT
bks cve fhe fhw gbr wal

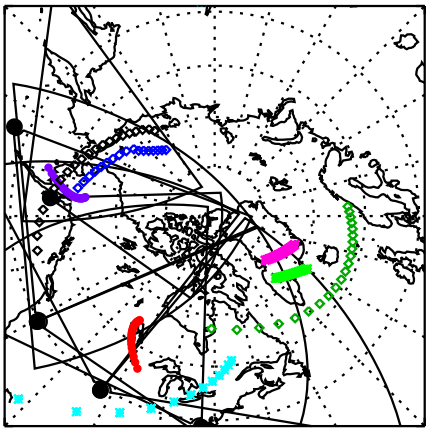


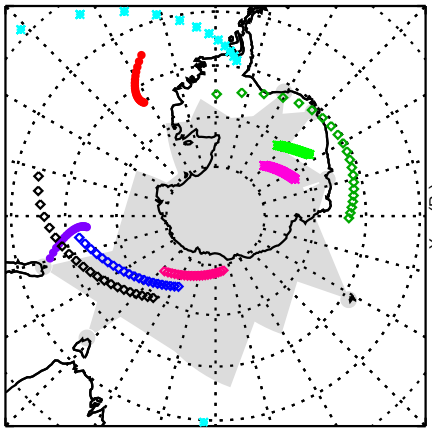
hal

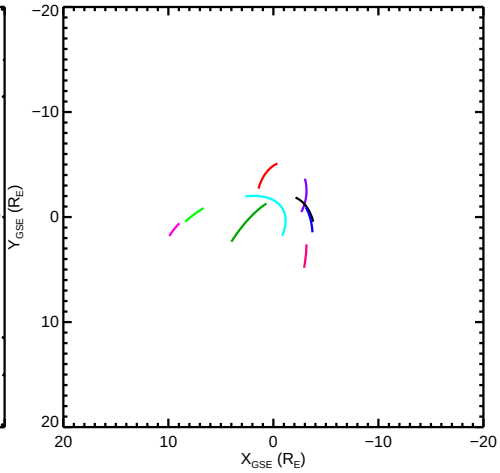




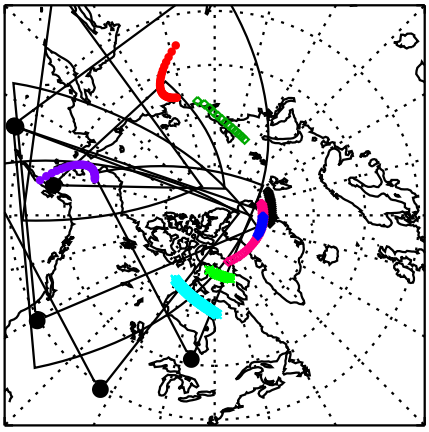
(d) 1225UT to 1415UT
ade bks cve cvw fhe fhw hok kod



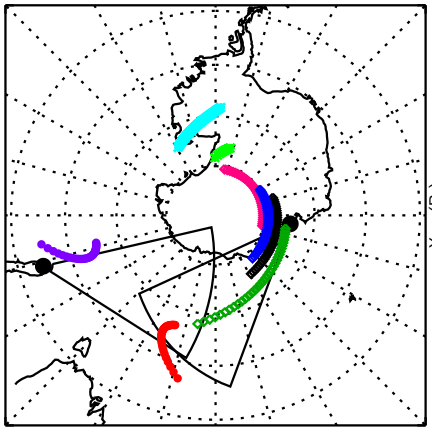


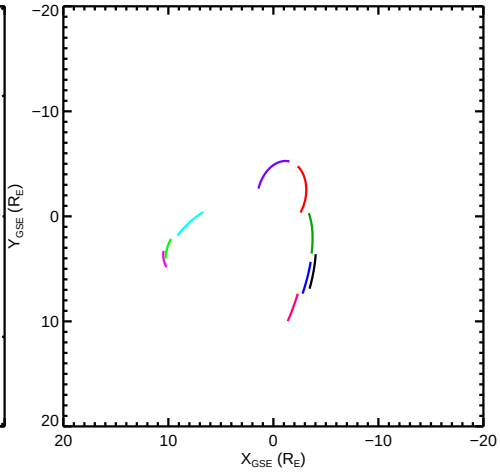


(e) 1620UT to 1920UT
ade adw cvw fhw hok kap ksr

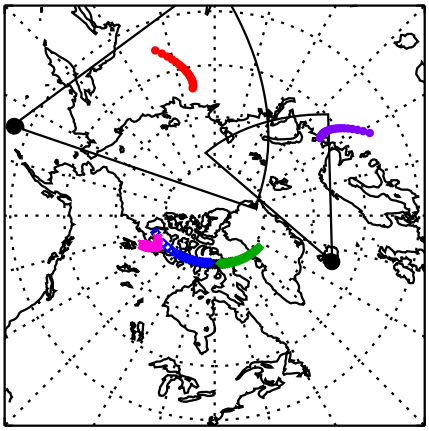


unw zho

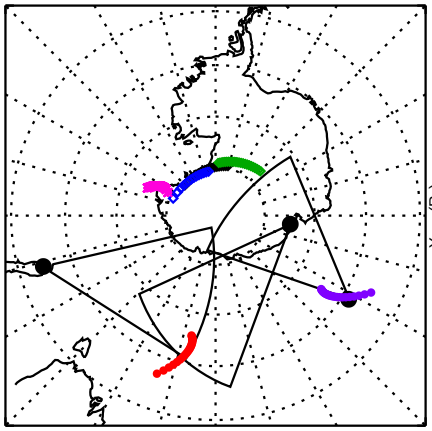


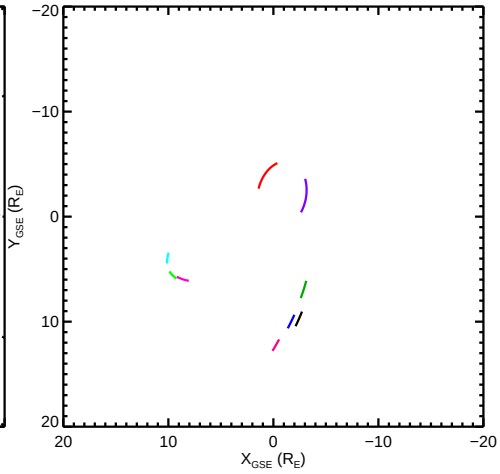


(f) 2125UT to 2315UT
adw pyk



ker unw zho

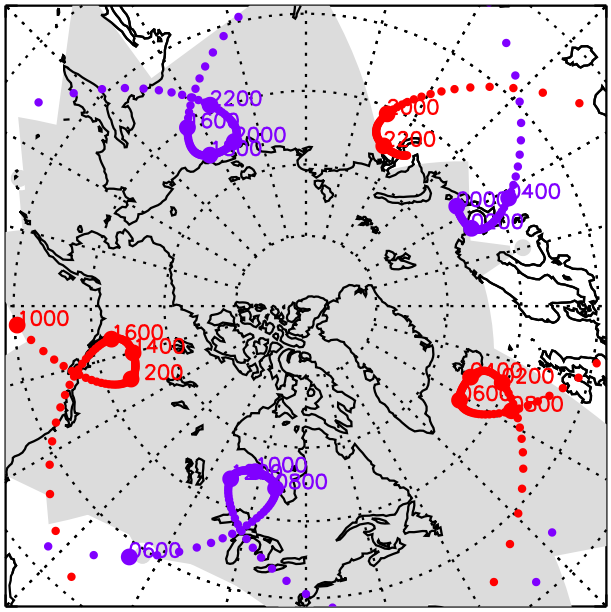


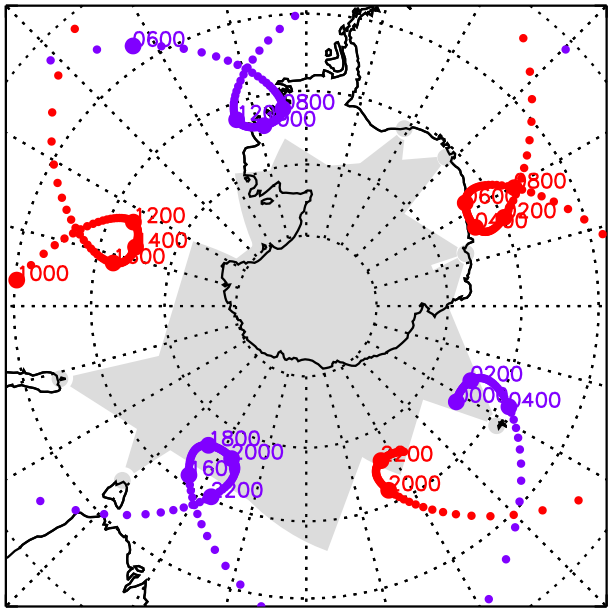


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

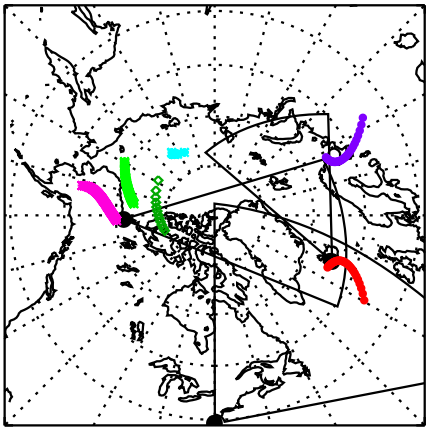
18−Dec−2012

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

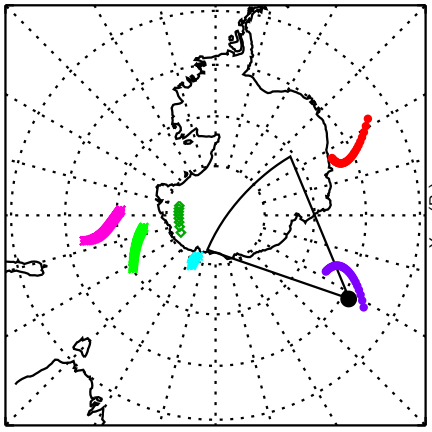


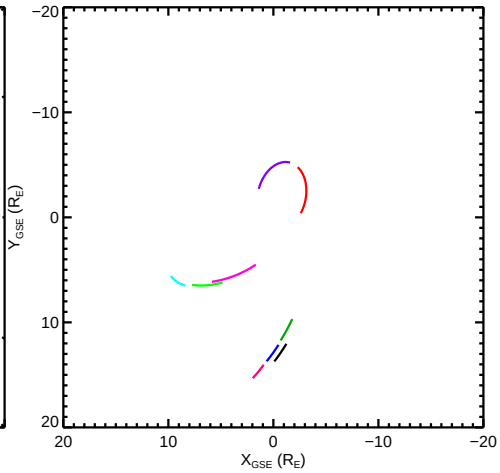


(a) 0120UT to 0420UT
inv pyk wal

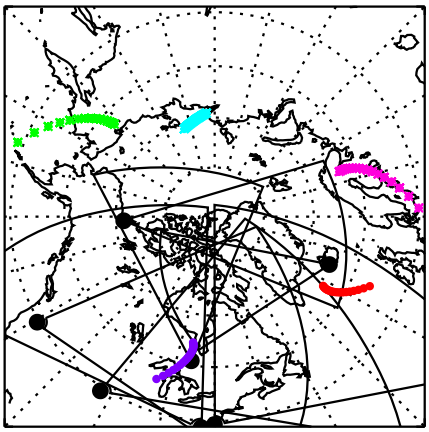


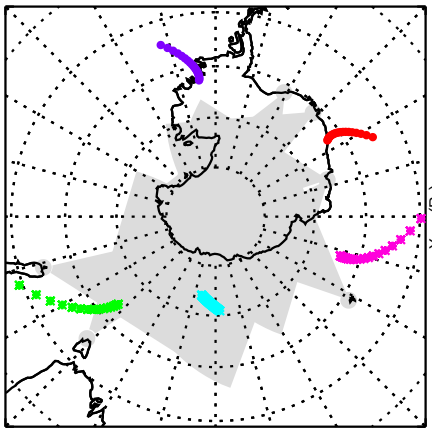
ker

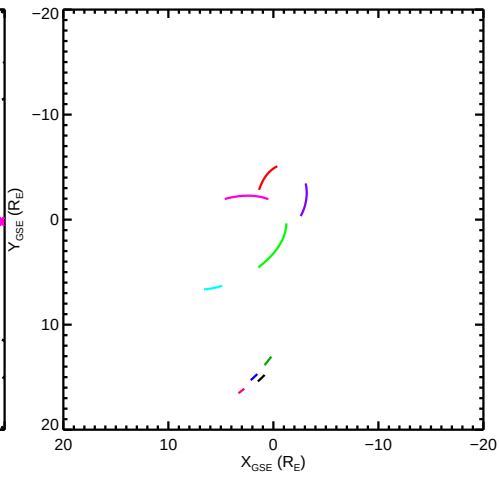




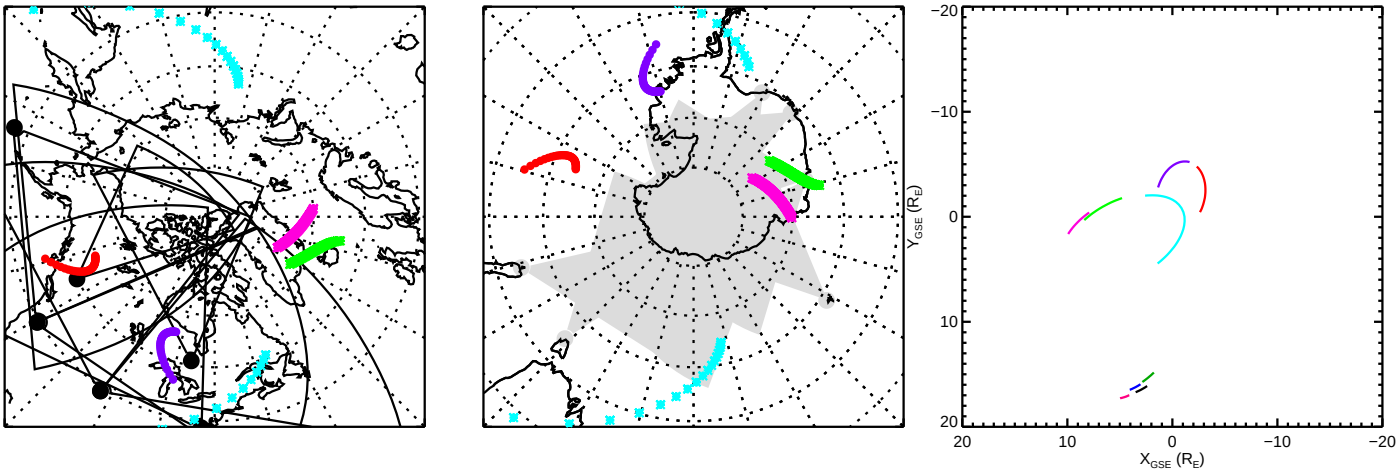
(b) 0625UT to 0810UT
bks cve fhe inv kap sto wal





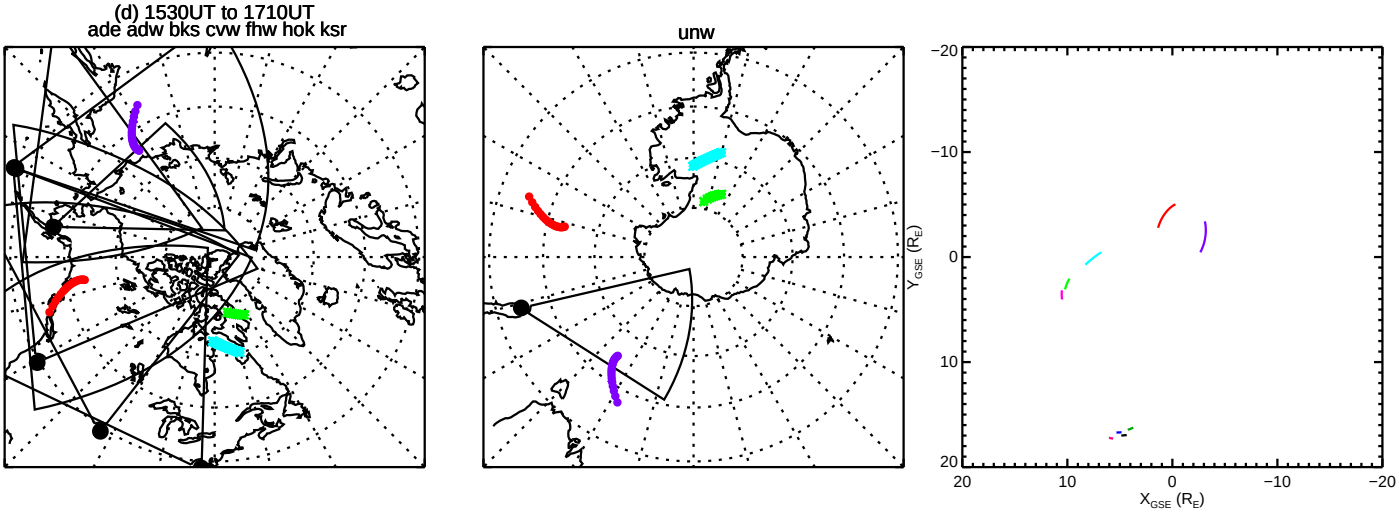


(c) 1020UT to 1320UT
ade bks cve cvw fhe fhw kap pgr



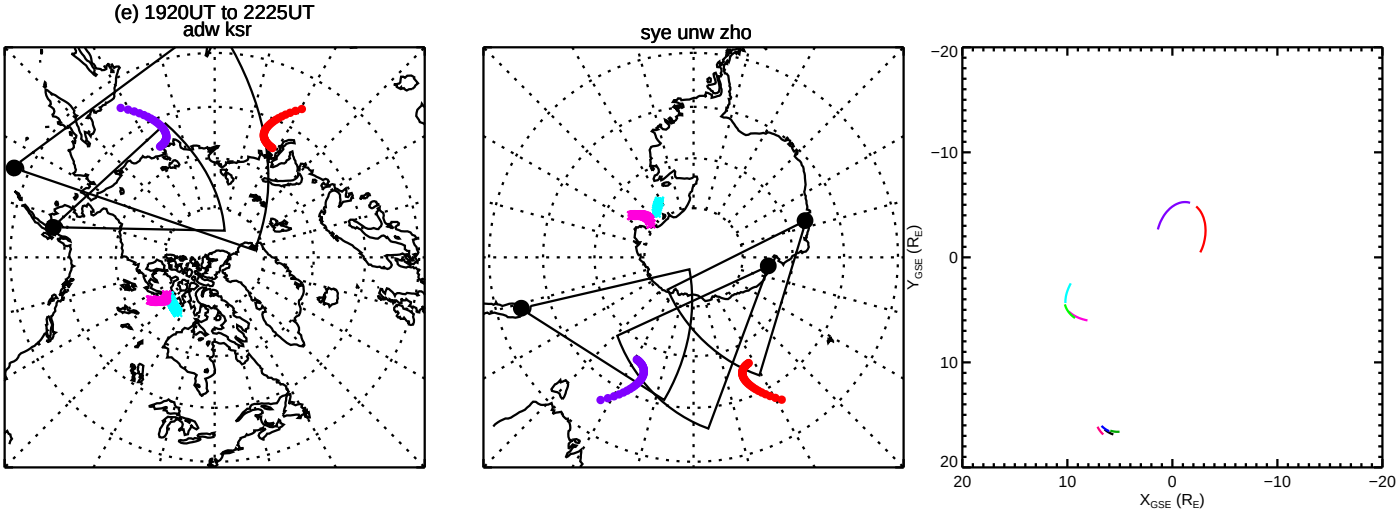
(d) 1530UT to 1710UT
ade adw bks cvw fhw hok ksr

unw



(e) 1920UT to 2225UT
adw ksr

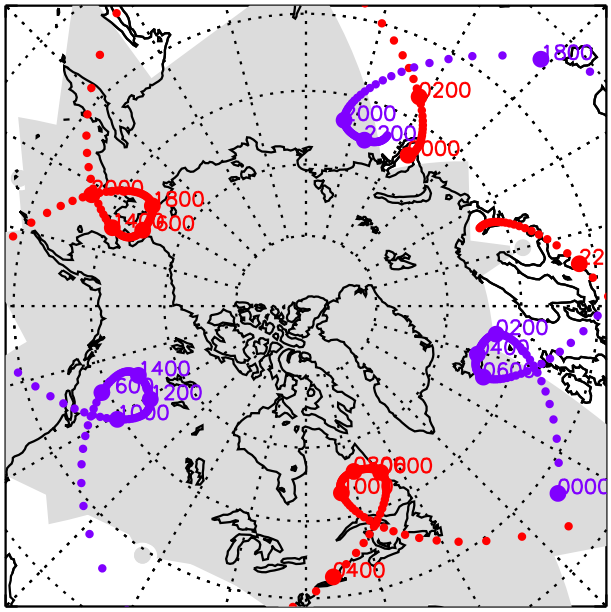
sye unw zho

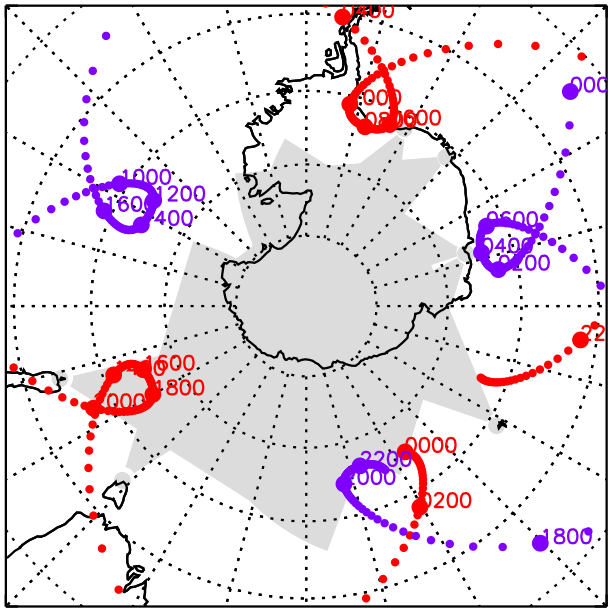


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

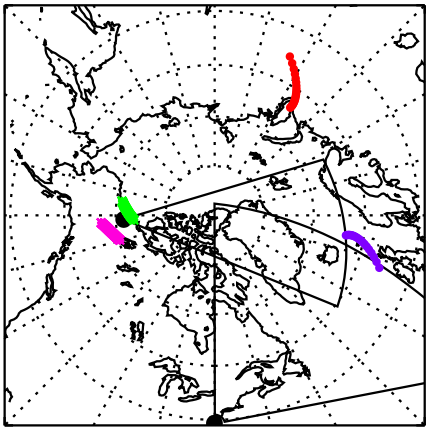
19−Dec−2012

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

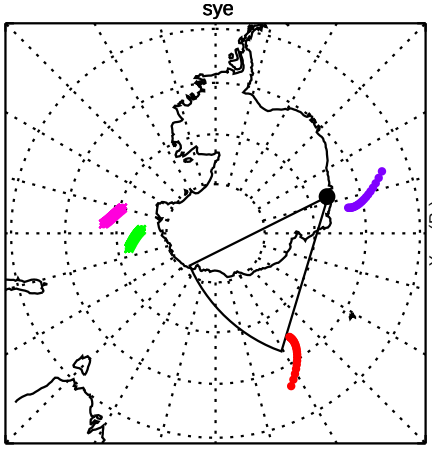


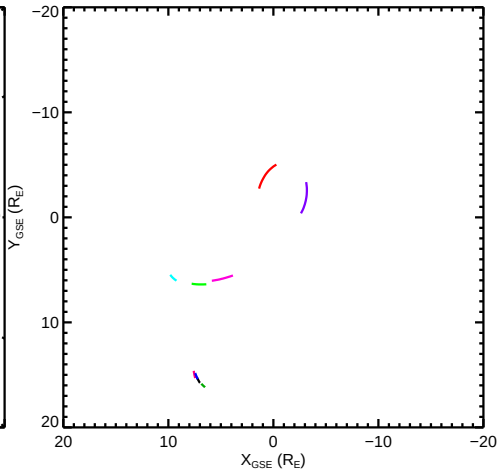


(a) 0030UT to 0210UT
inv wal

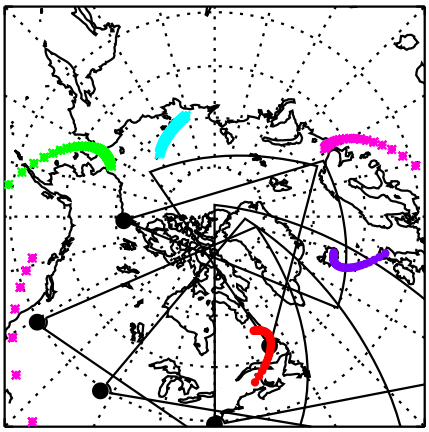


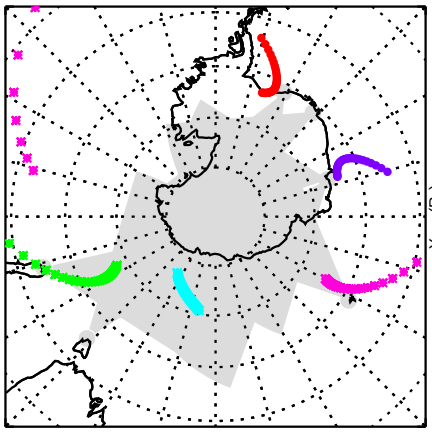
sye

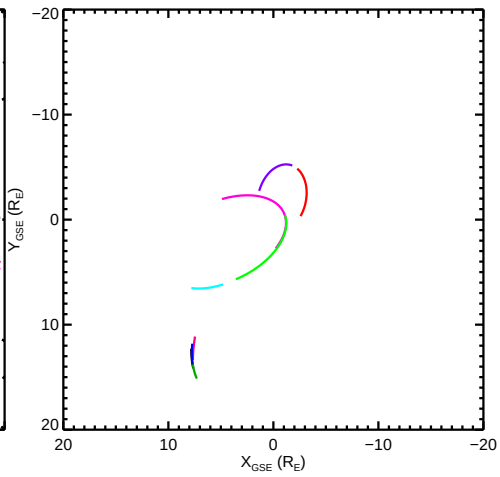




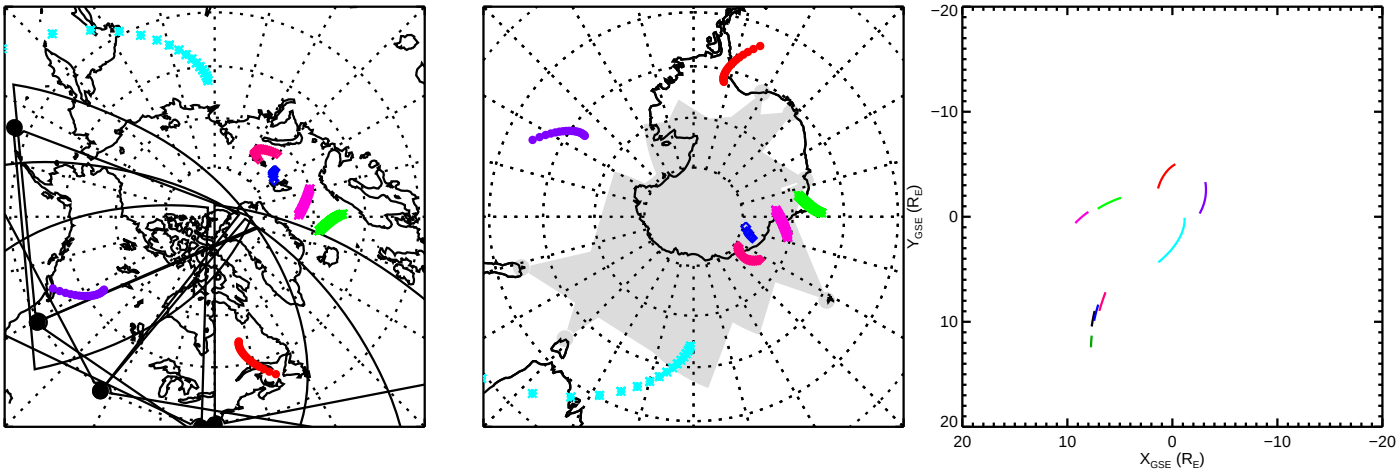
(b) 0415UT to 0725UT
cve fhe gbr inv wal





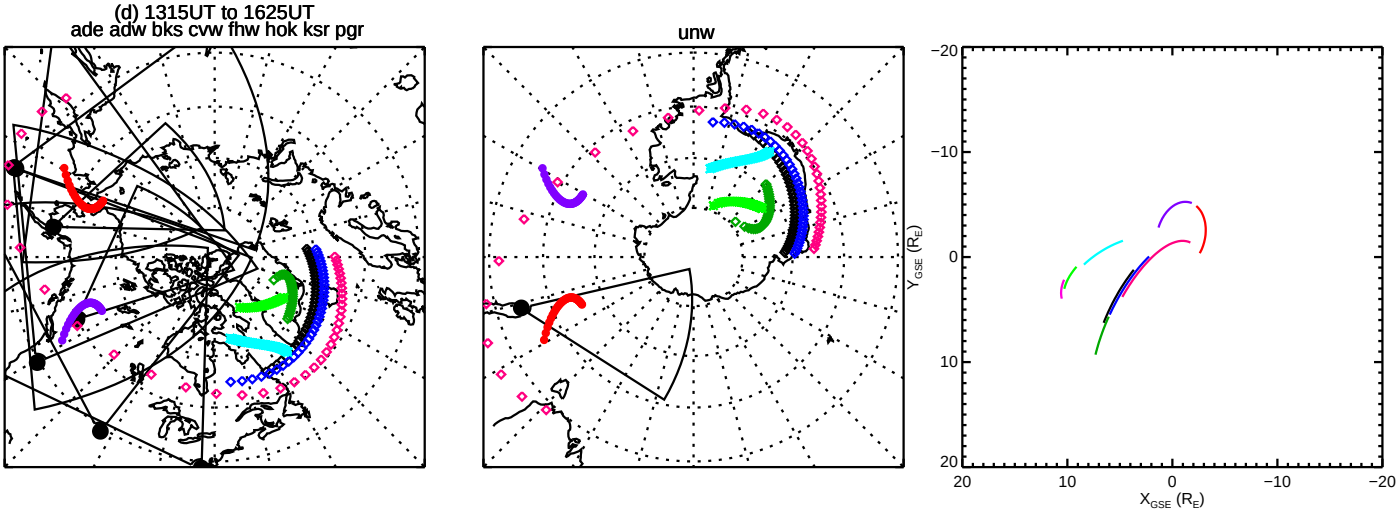


(c) 0930UT to 1110UT
ade bks cve cvw fhe fhw wal



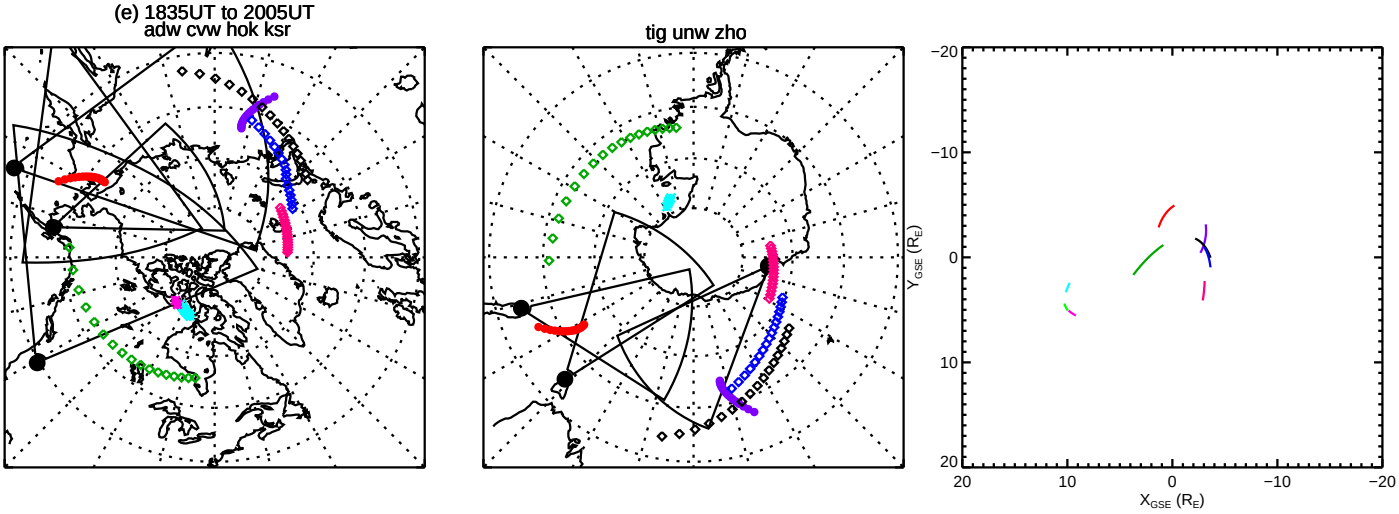
(d) 1315UT to 1625UT
ade adw bks cvw fhw hok ksr pgr

unw



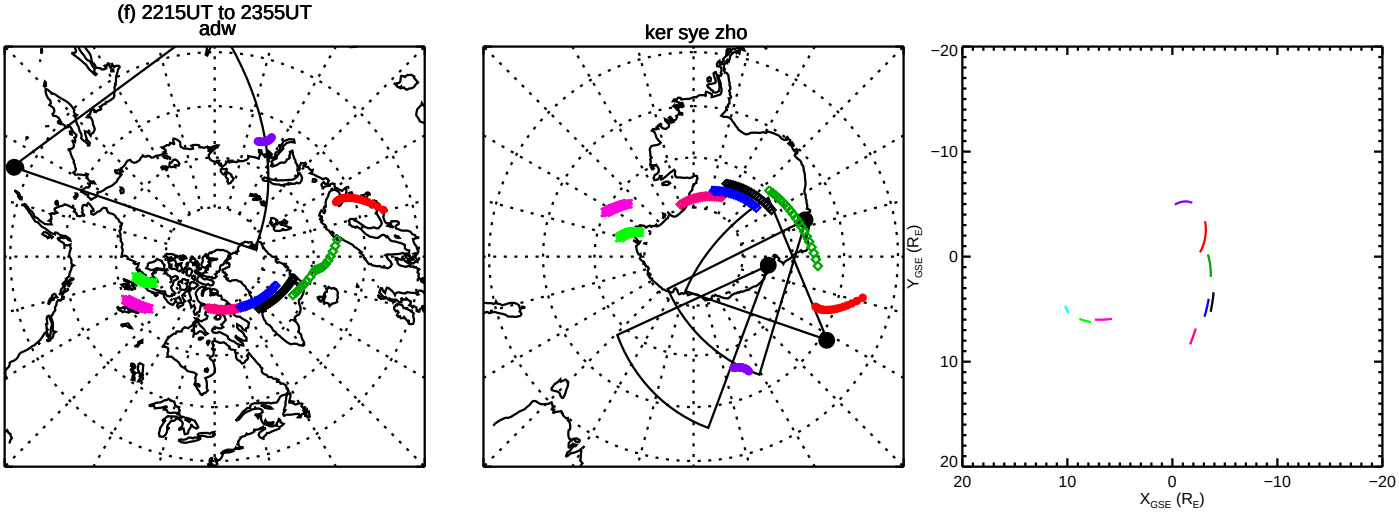
(e) 1835UT to 2005UT
adw cvw hok ksr

tig unw zho



(f) 2215UT to 2355UT
adw

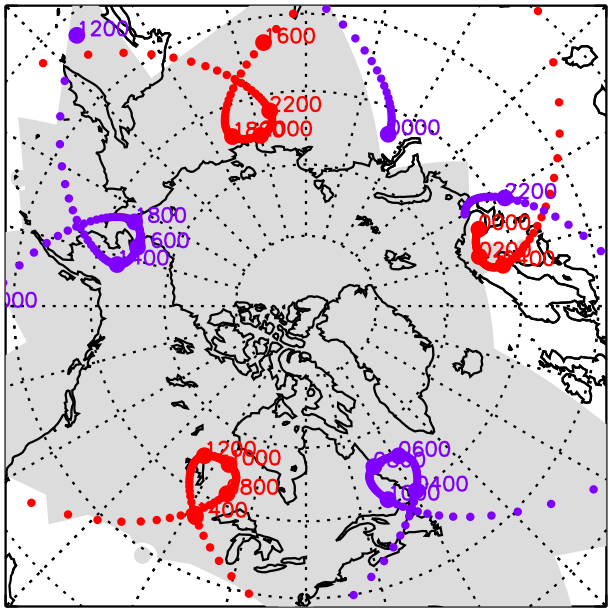
ker sye zho

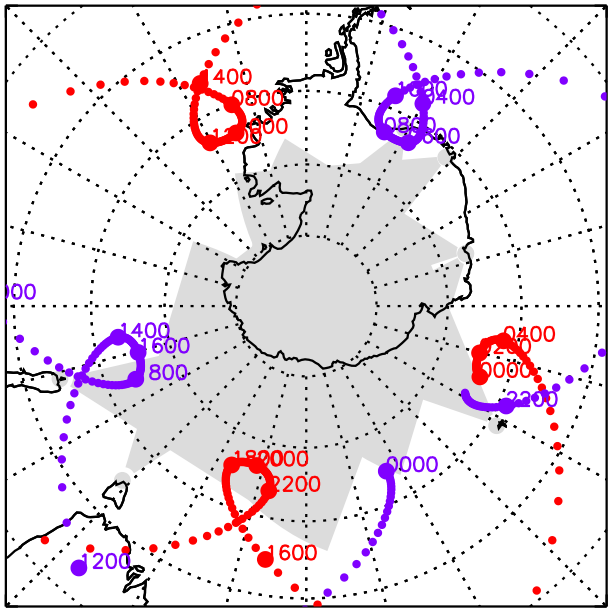


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

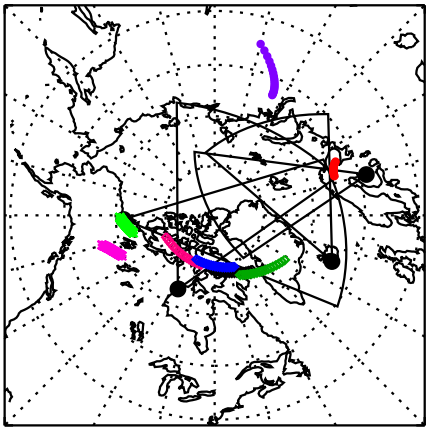
20−Dec−2012

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

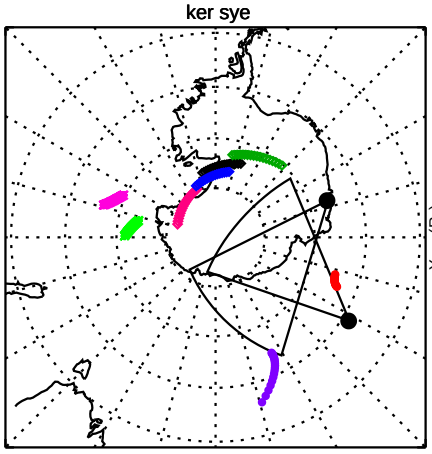


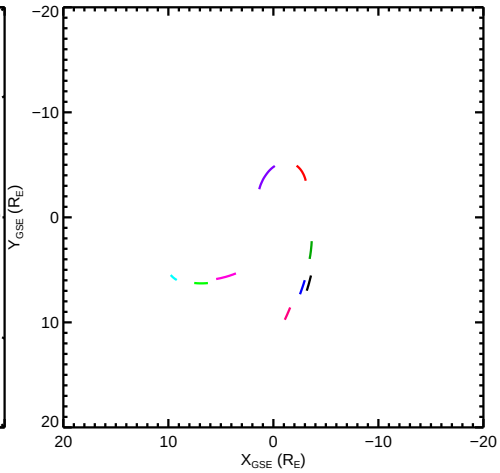


(a) 0000UT to 0130UT
han inv pyk rkn

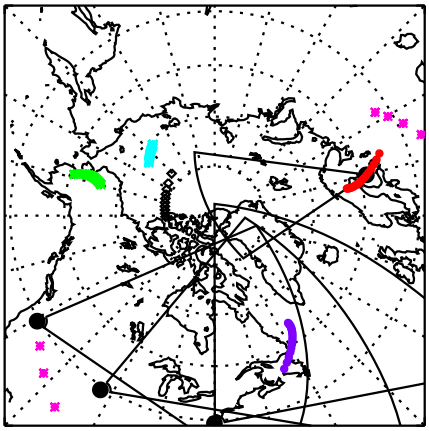


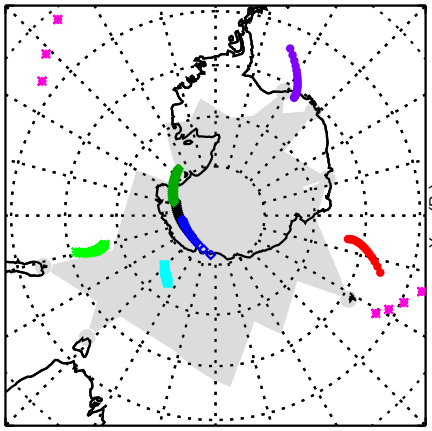
ker sye

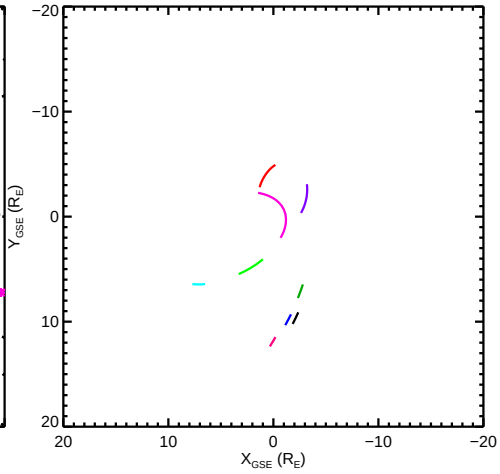




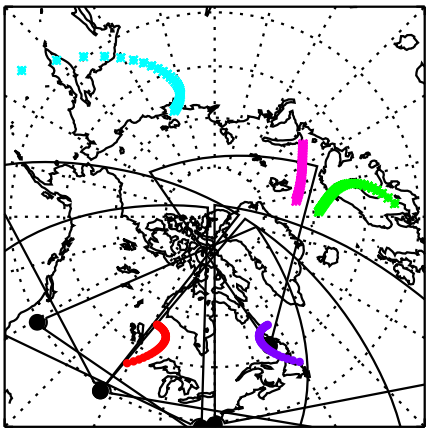
(b) 0335UT to 0505UT
cve fhe han wal



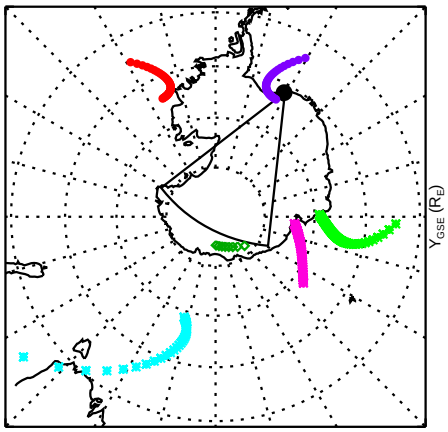


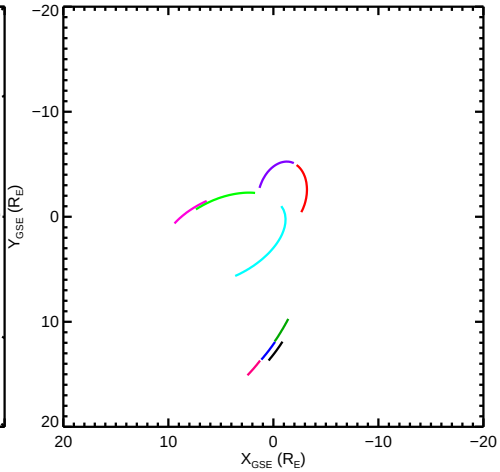


(c) 0715UT to 1030UT
bks cve fhe fhw gbr wal

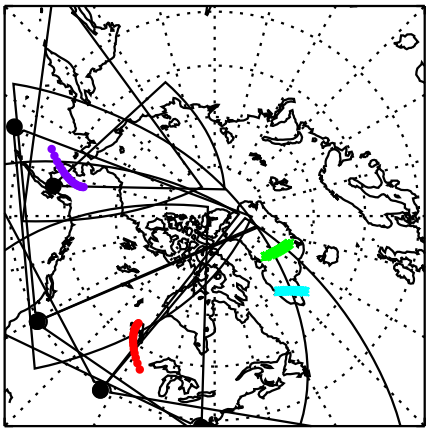


hal

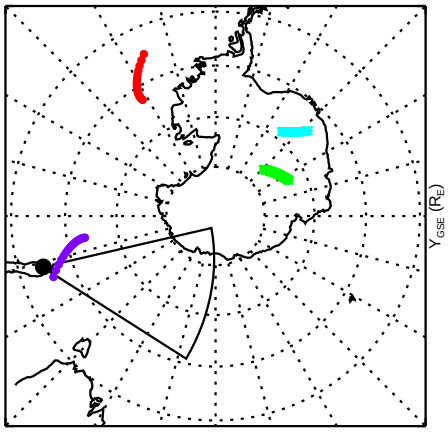


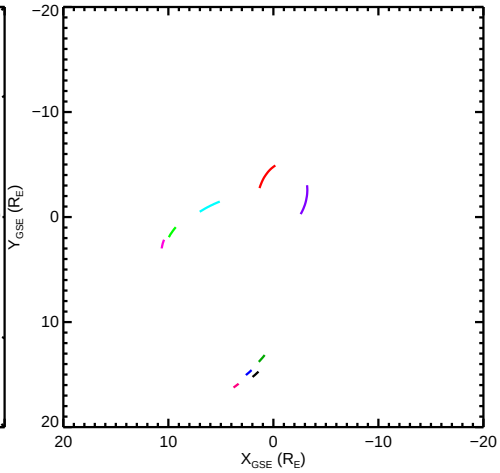


(d) 1235UT to 1405UT
ade bks cve cvw fhe fhw hok ksr

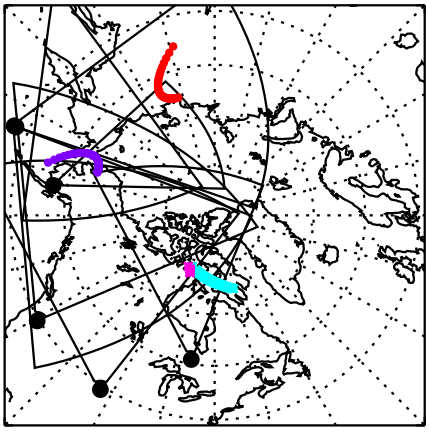


unw

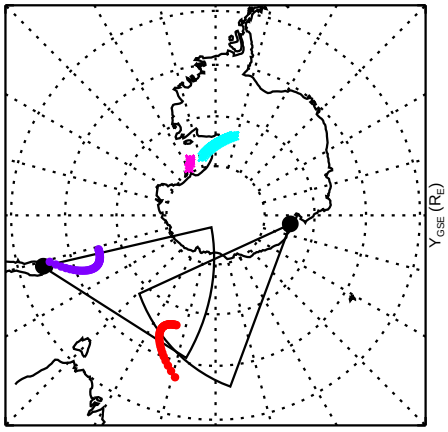


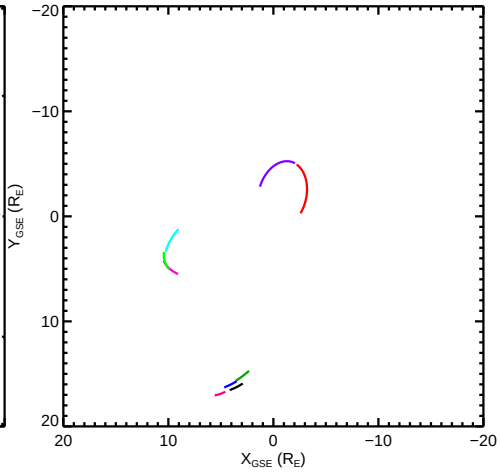


(e) 1610UT to 1930UT
ade adw cvw fhw hok kap ksr

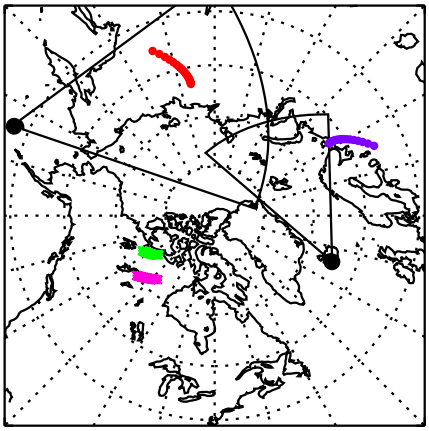


unw zho

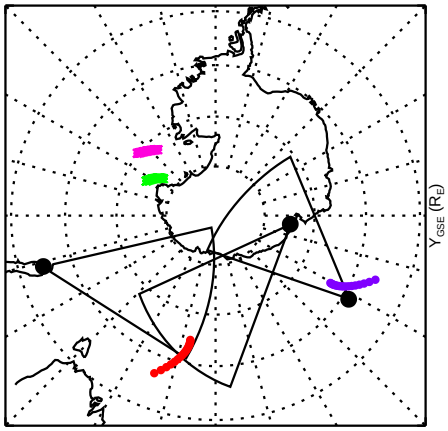


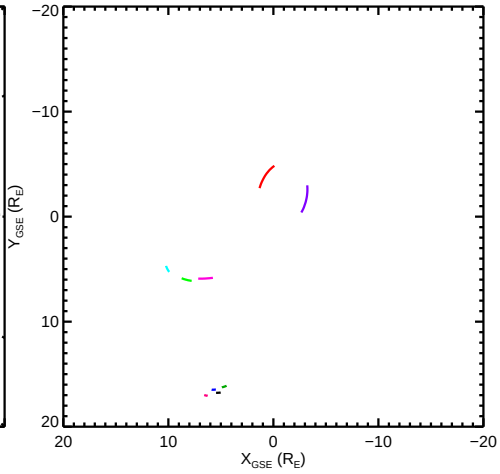


(f) 2140UT to 2305UT
adw pyk



ker unw zho

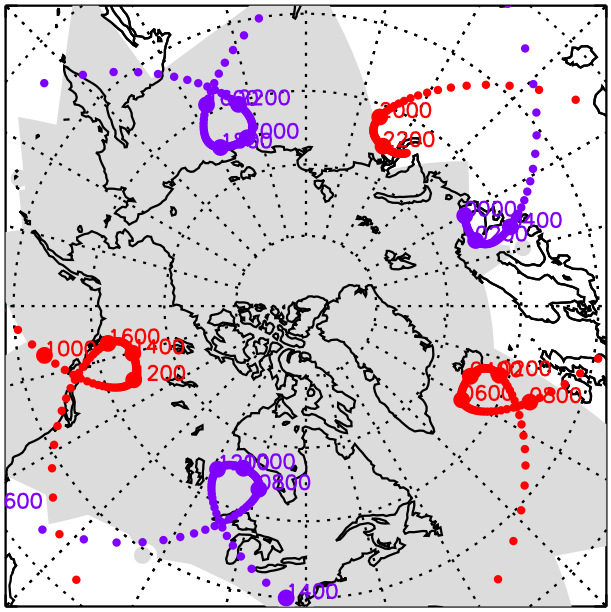


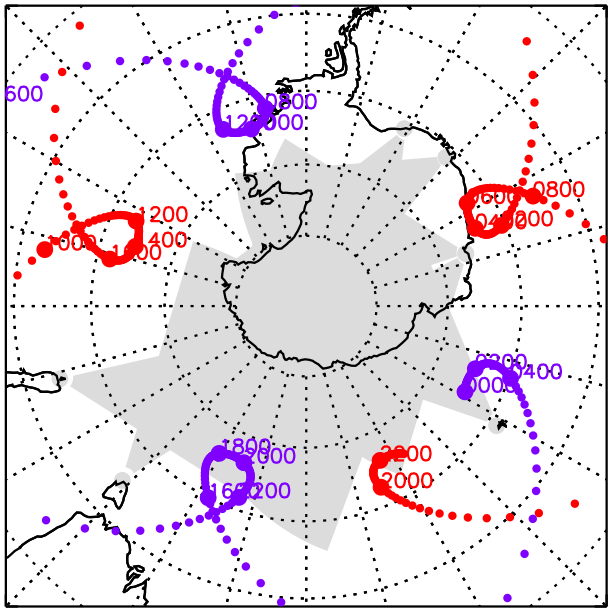


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

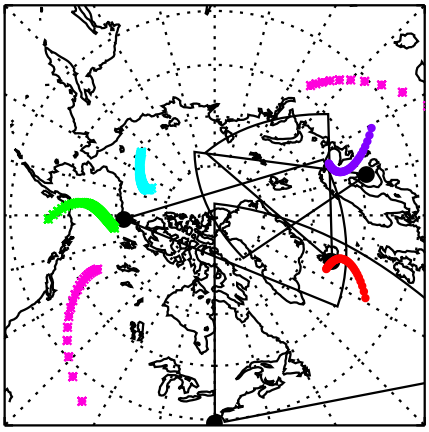
21−Dec−2012

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

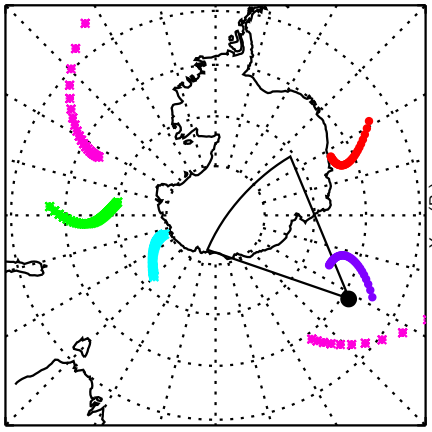


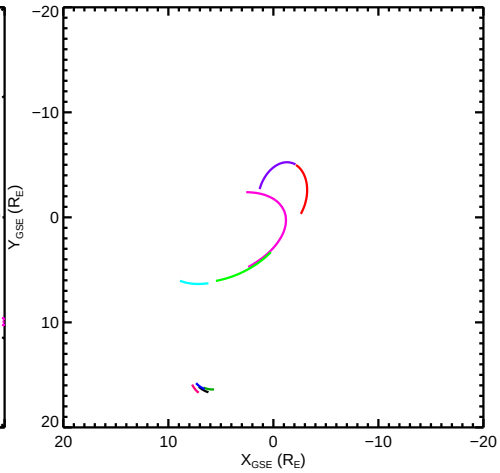


(a) 0110UT to 0435UT
han inv pyk wal

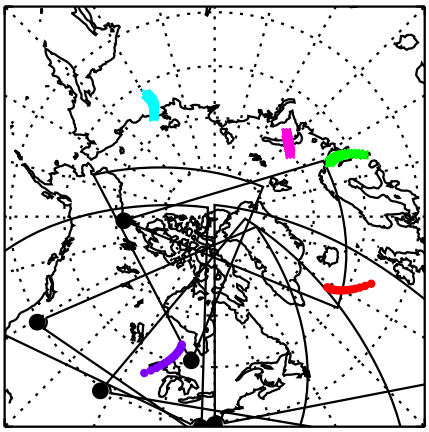


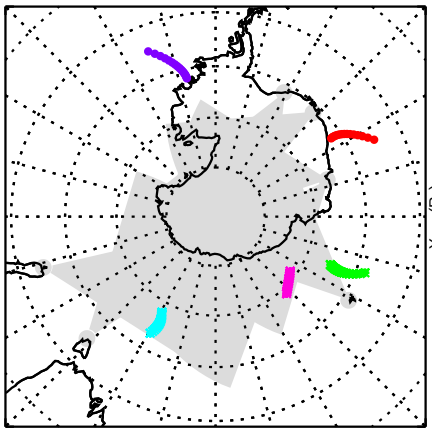
ker

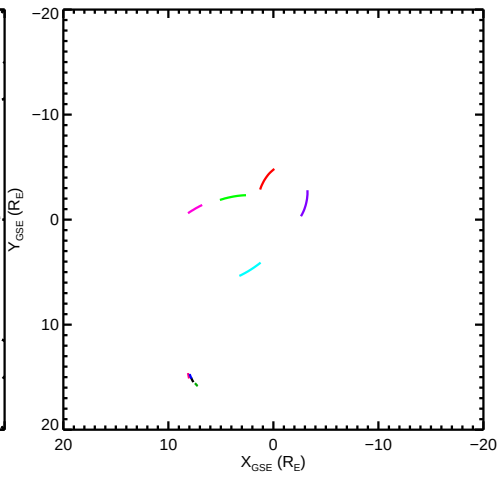




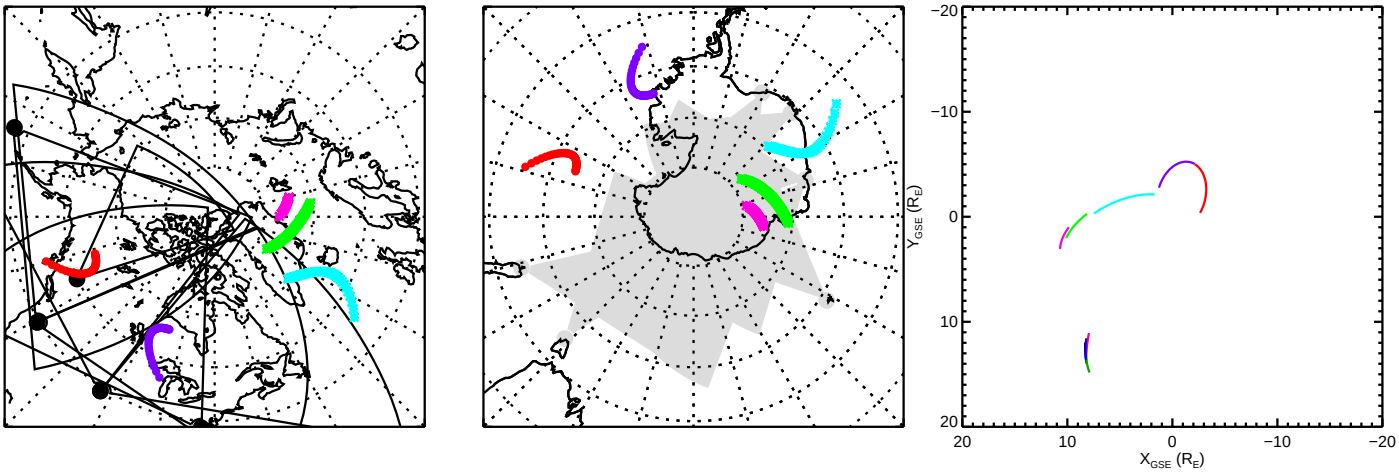
(b) 0640UT to 0800UT
bks cve fhe inv kap wal





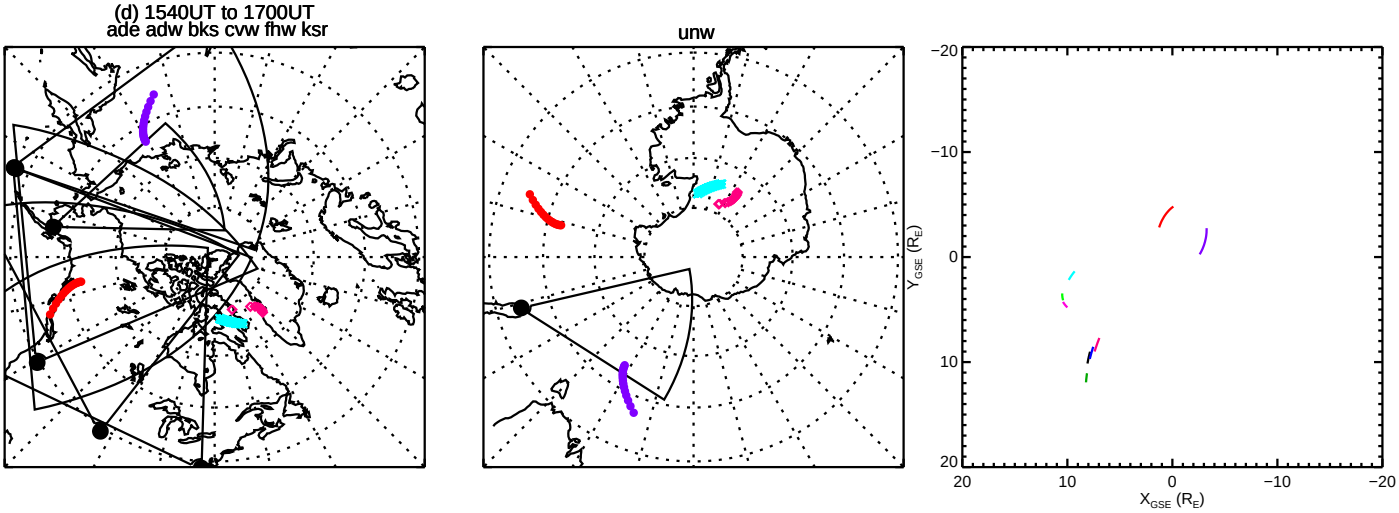


(c) 1010UT to 1335UT
ade bks cve cvw fhe fhw pgr



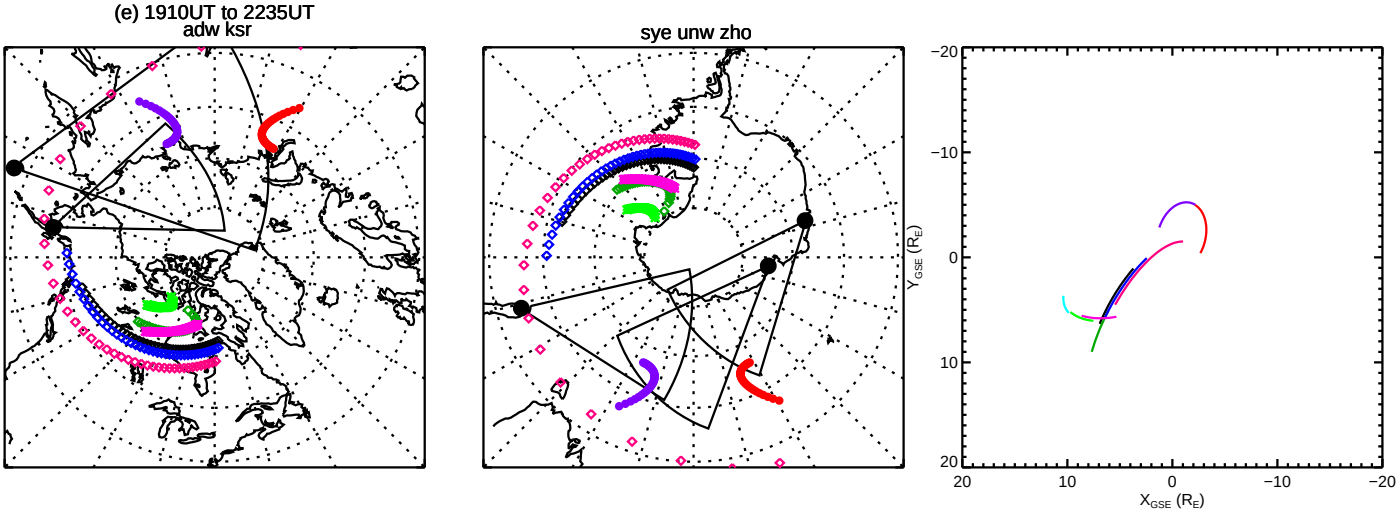
(d) 1540UT to 1700UT
ade adw bks cvw fhw ksr

unw



(e) 1910UT to 2235UT
adw ksr

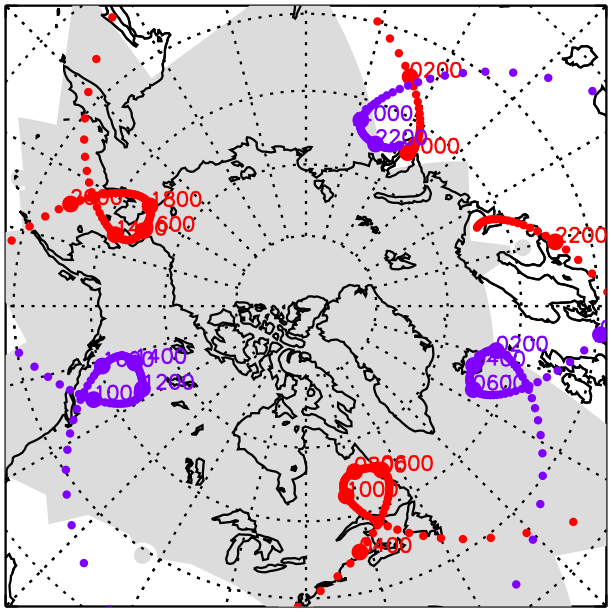
sye unw zho

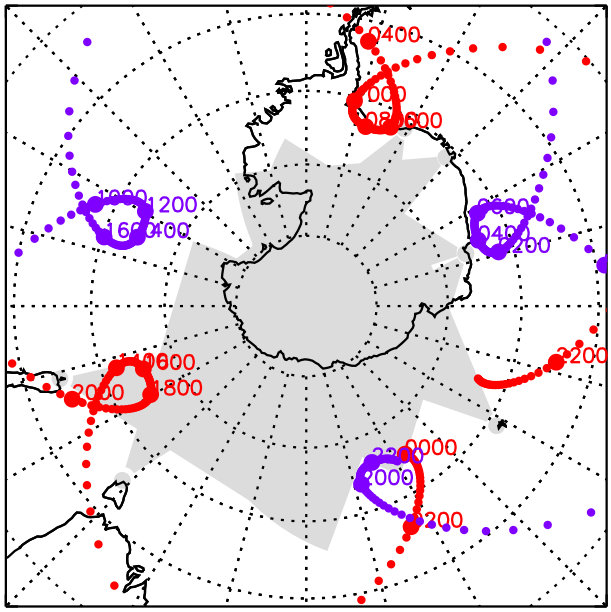


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

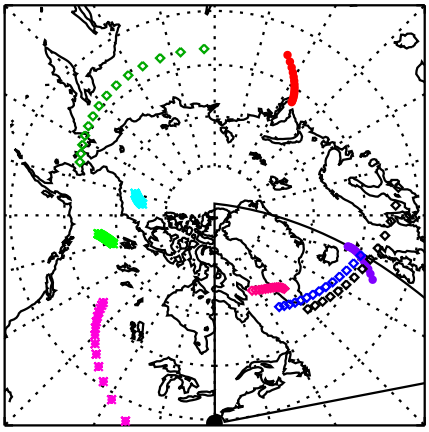
22−Dec−2012

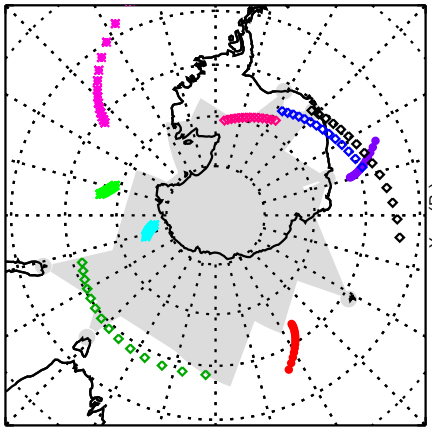
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > $3R_E$. Also with: C1 C2 C3 C4 THA THD THE

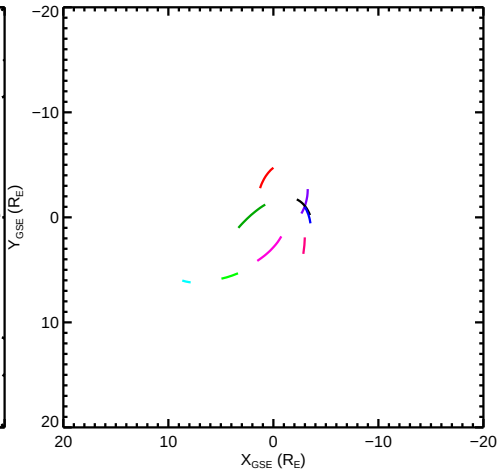




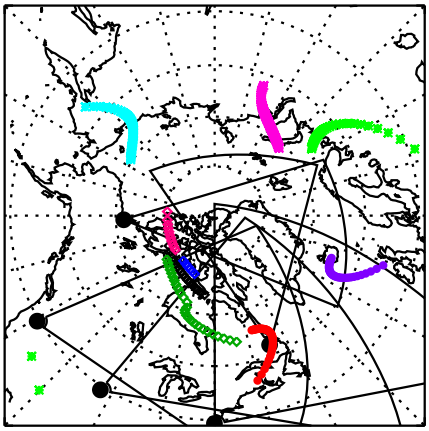
(a) 0045UT to 0200UT
wal

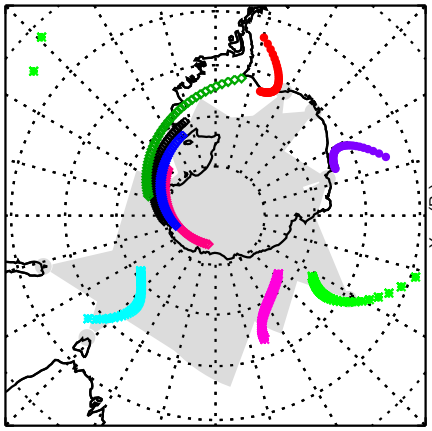


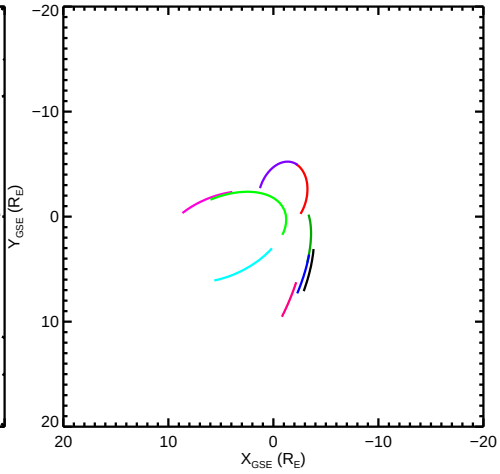




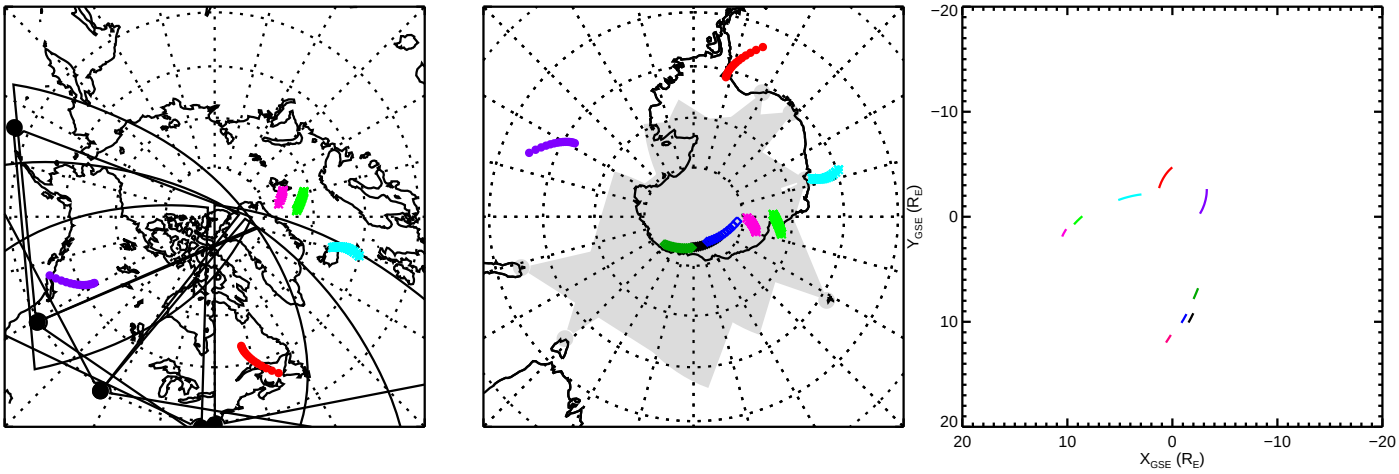
(b) 0405UT to 0740UT
cve fhe gbr inv wal





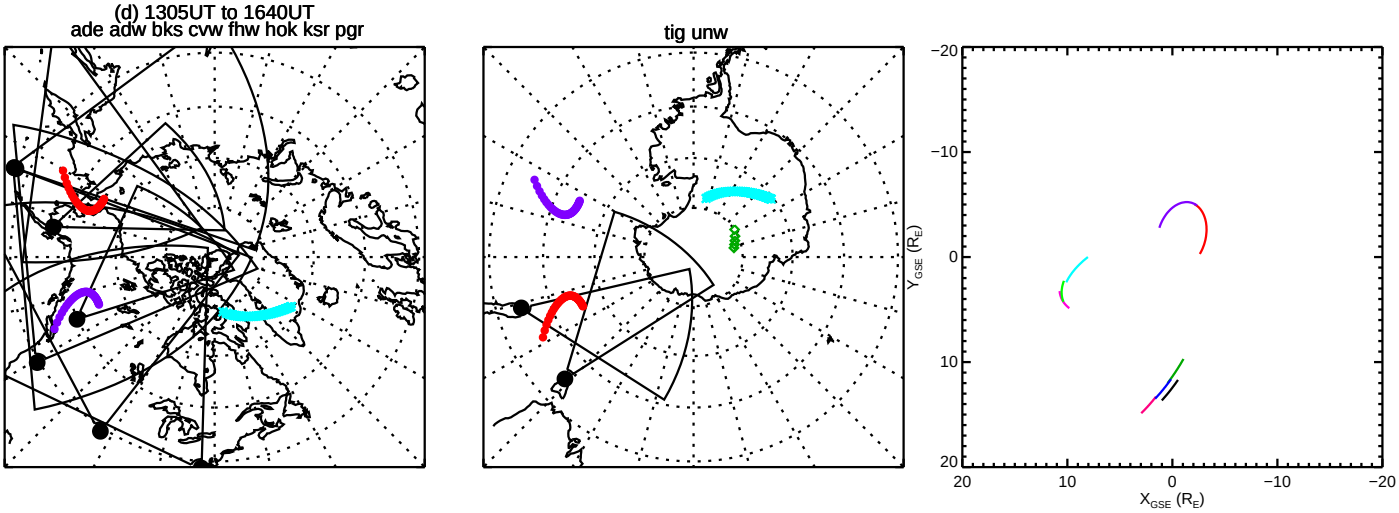


(c) 0945UT to 1100UT
ade bks cve cvw fhe fhw wal



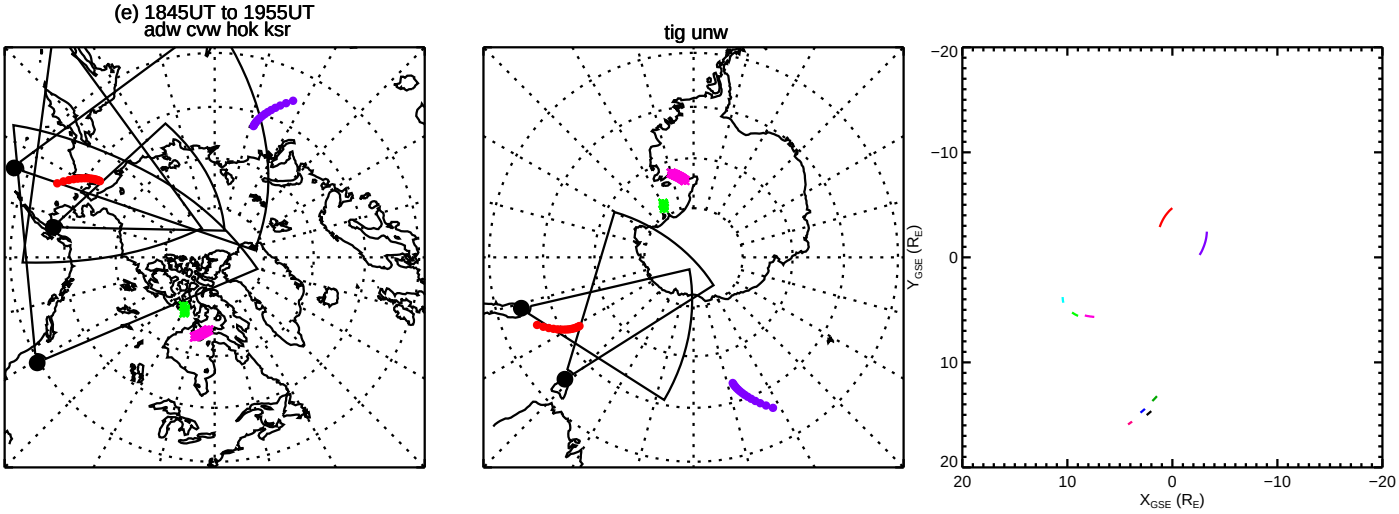
(d) 1305UT to 1640UT
ade adw bks cvw fhw hok ksr pgr

tig unw



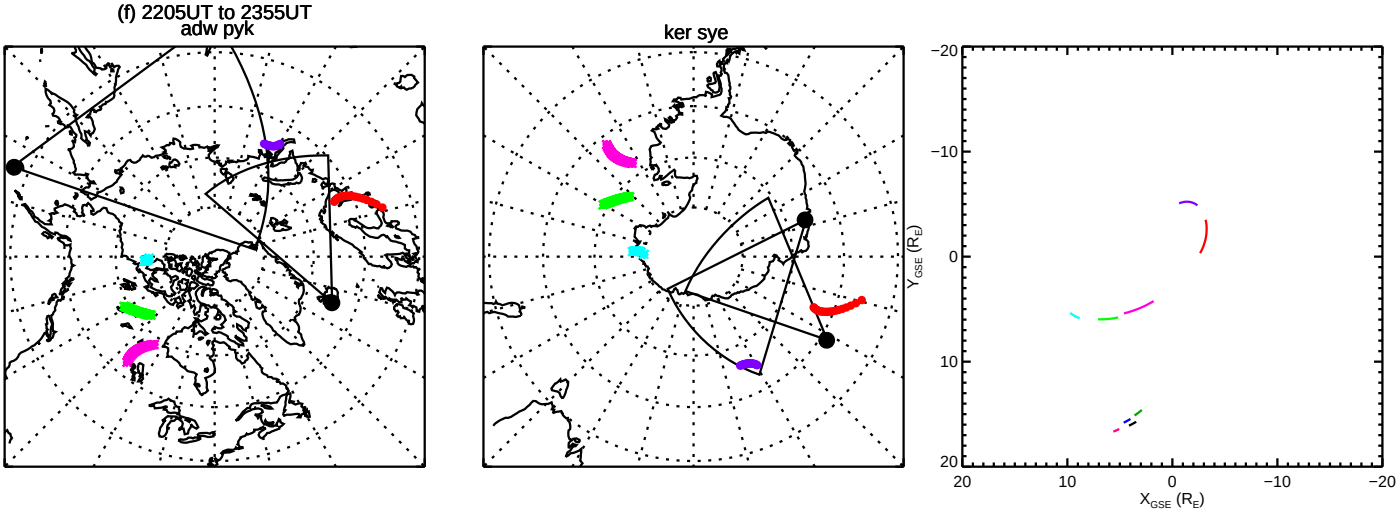
(e) 1845UT to 1955UT
adw cvw hok ksr

tig unw



(f) 2205UT to 2355UT
adw pyk

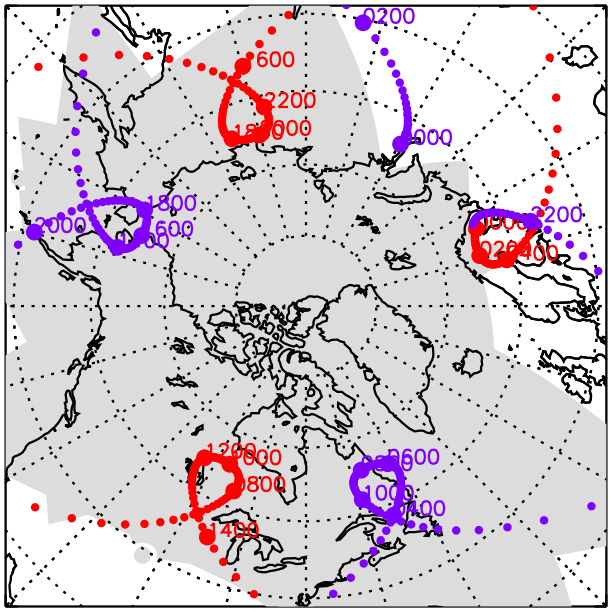
ker sye

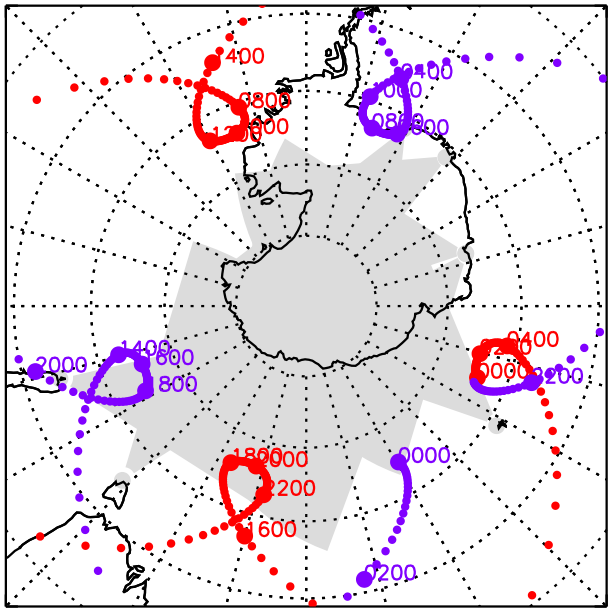


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

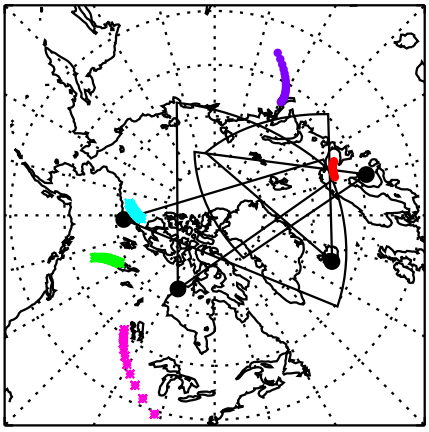
23−Dec−2012

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

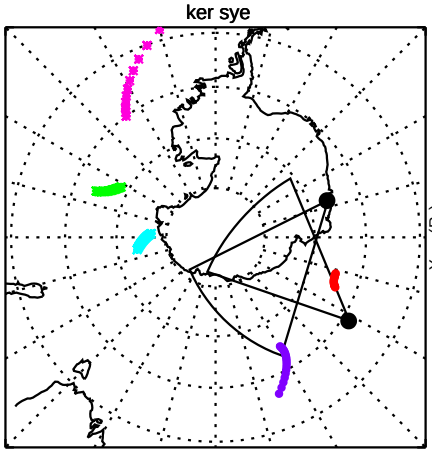


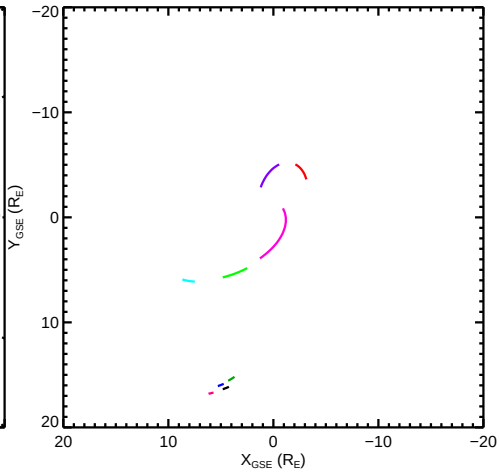


(a) 0000UT to 0140UT
han inv pyk rkn

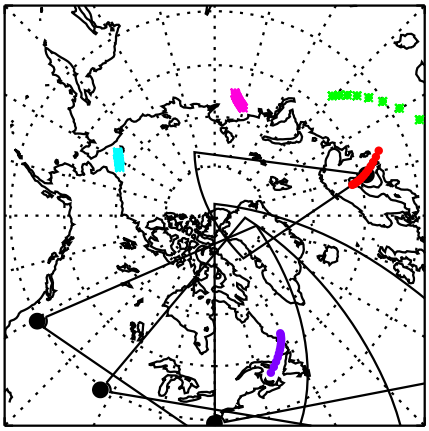


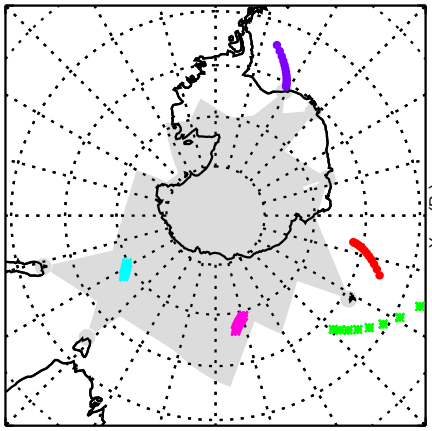
ker sye

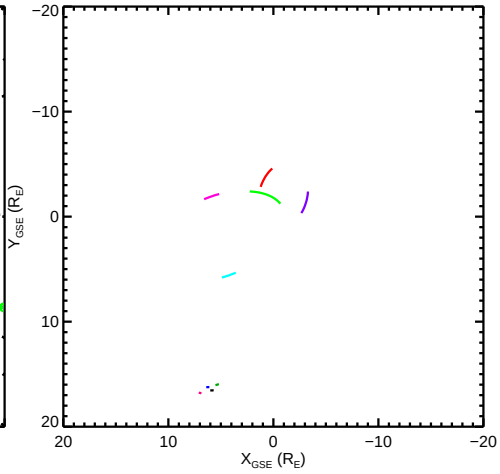




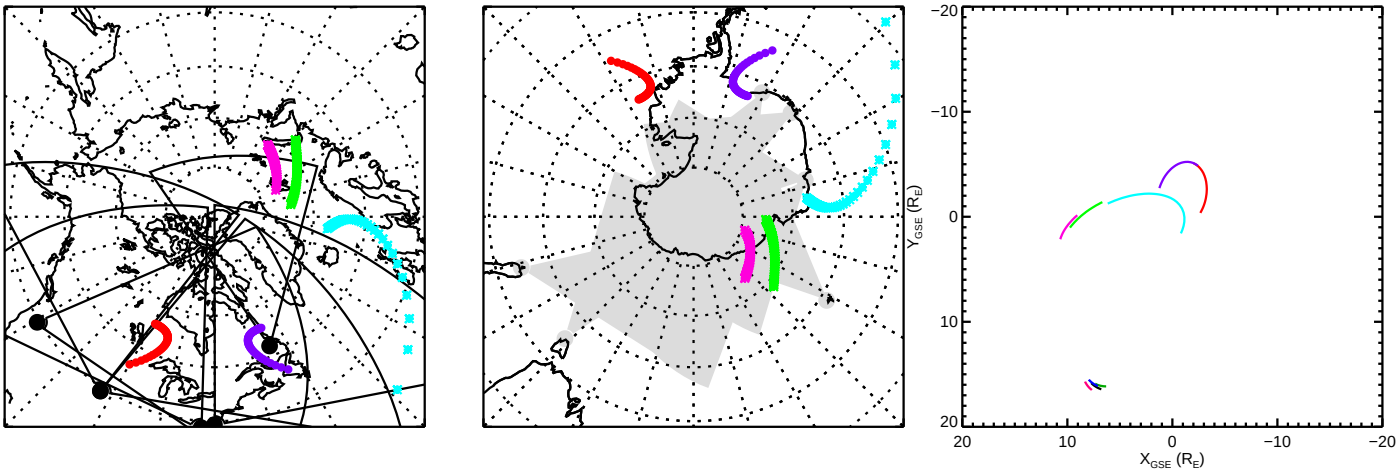
(b) 0350UT to 0455UT
cve fhe han wal





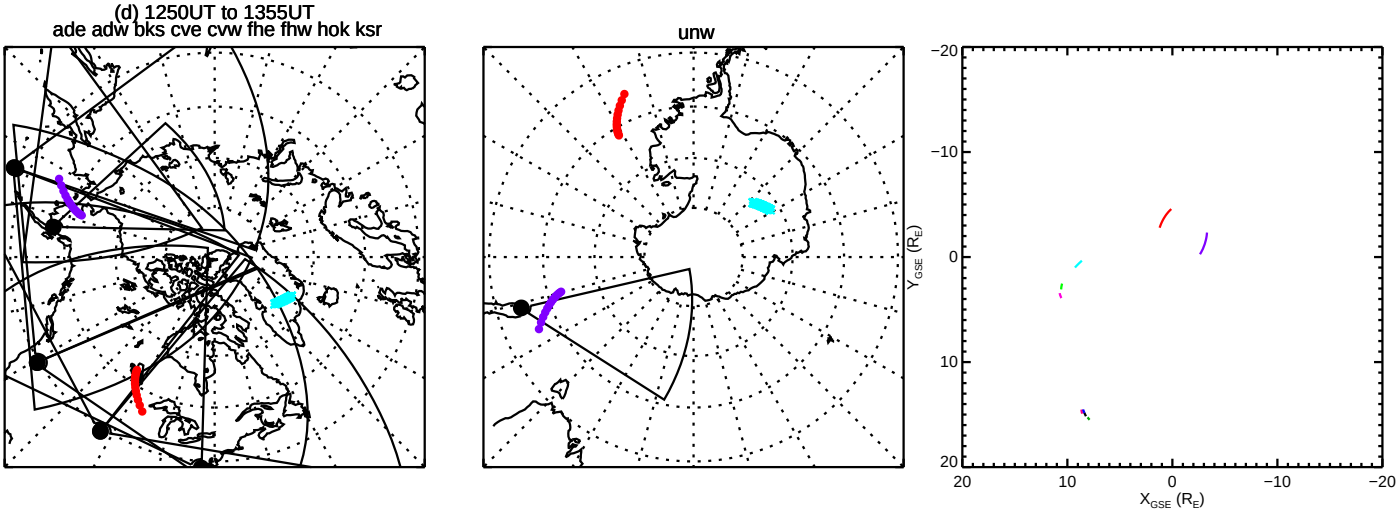


(c) 0705UT to 1045UT
bks cve fhe fhw gbr wal



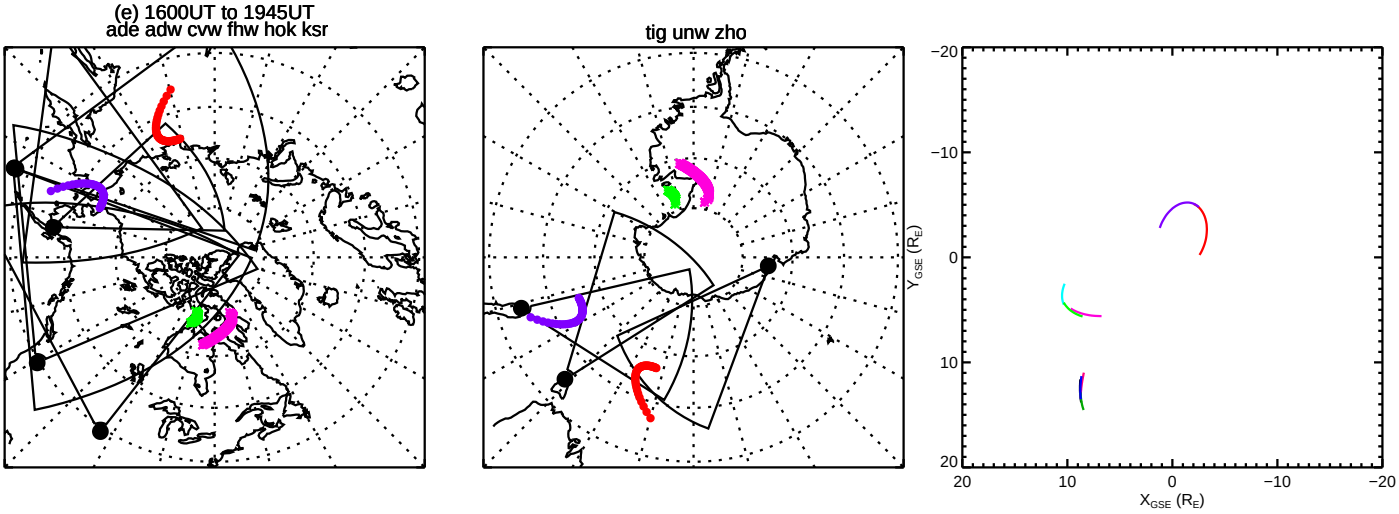
(d) 1250UT to 1355UT
ade adw bks cve cvw fhe fhw hok ksr

unw



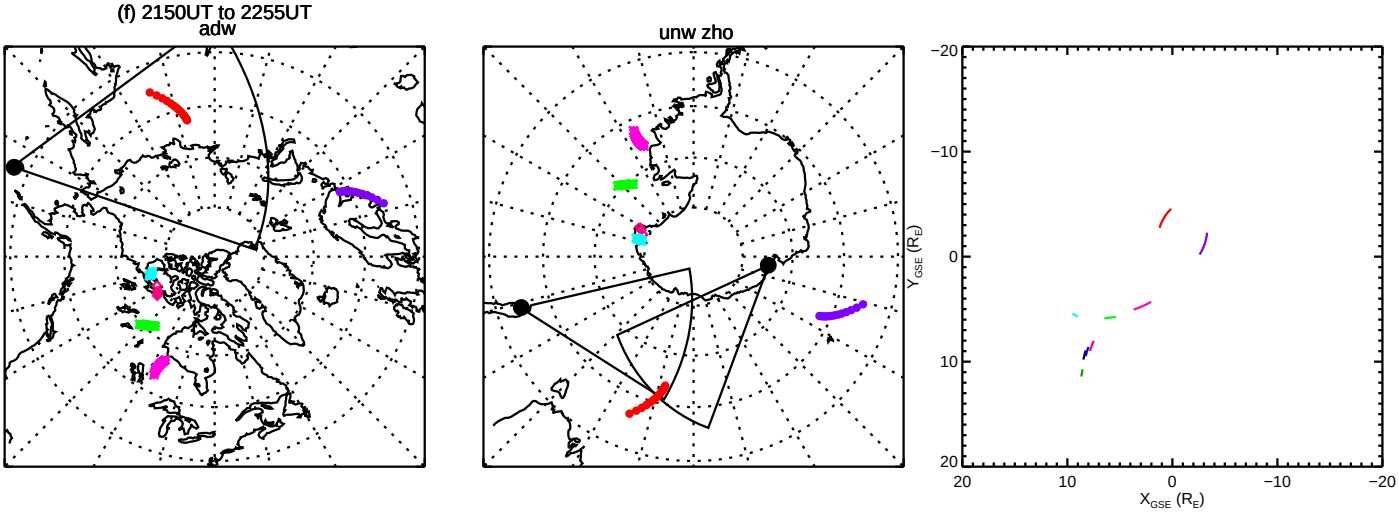
(e) 1600UT to 1945UT
ade adw cvw fhw hok ksr

tig unw zho



(f) 2150UT to 2255UT
adw

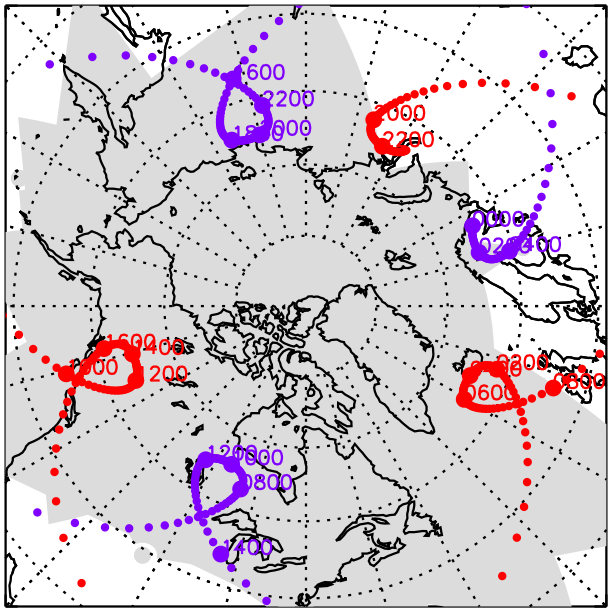
unw zho

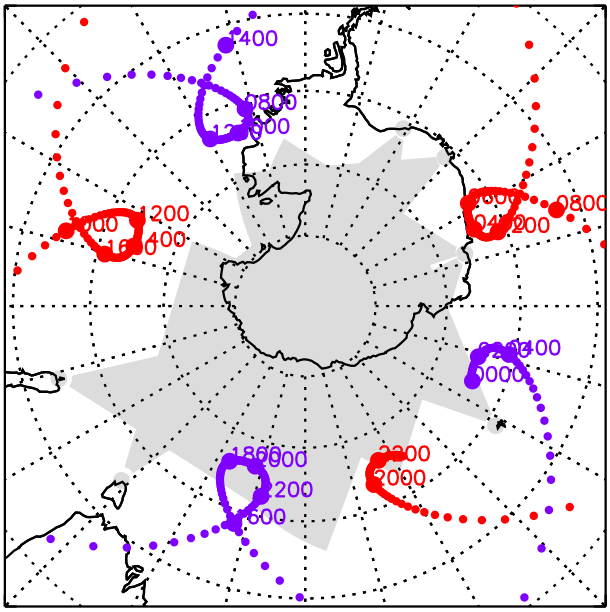


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

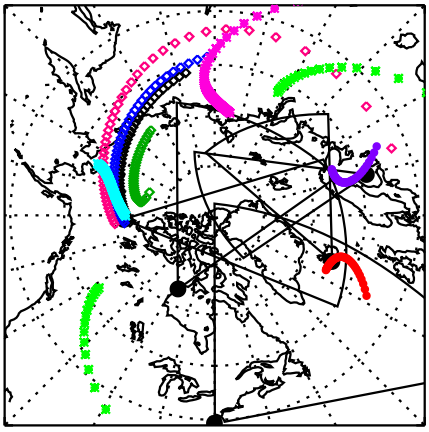
24−Dec−2012

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

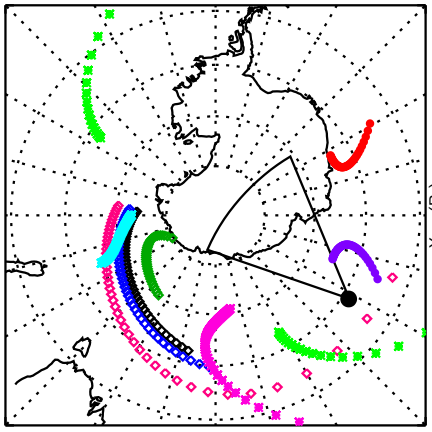


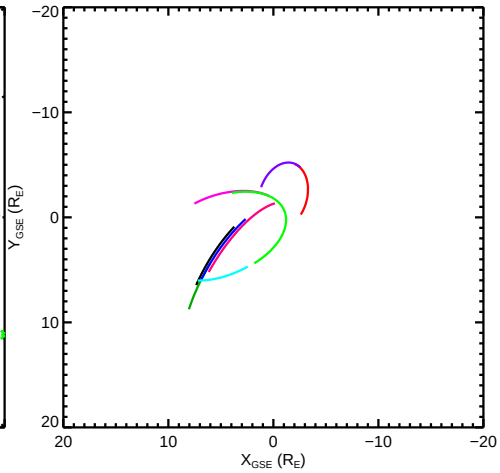


(a) 0100UT to 0445UT
han inv pyk rkn wal

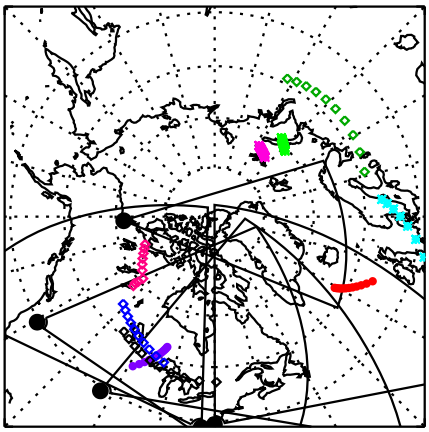


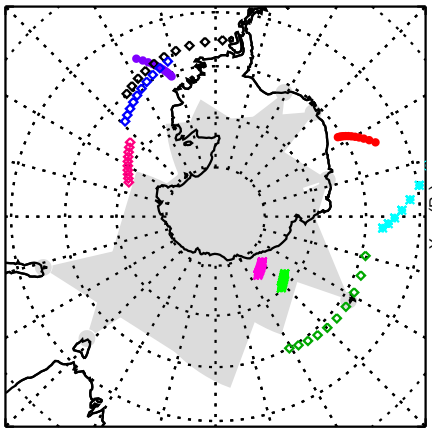
ker

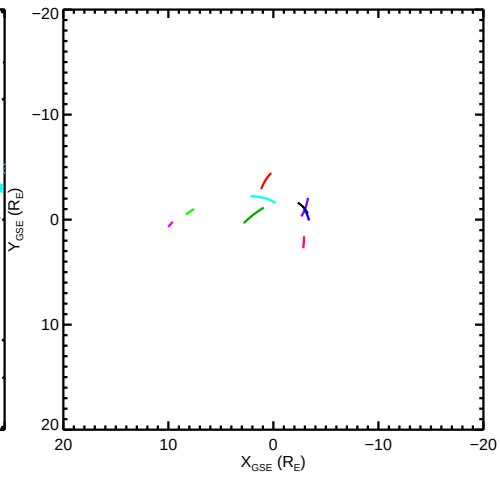




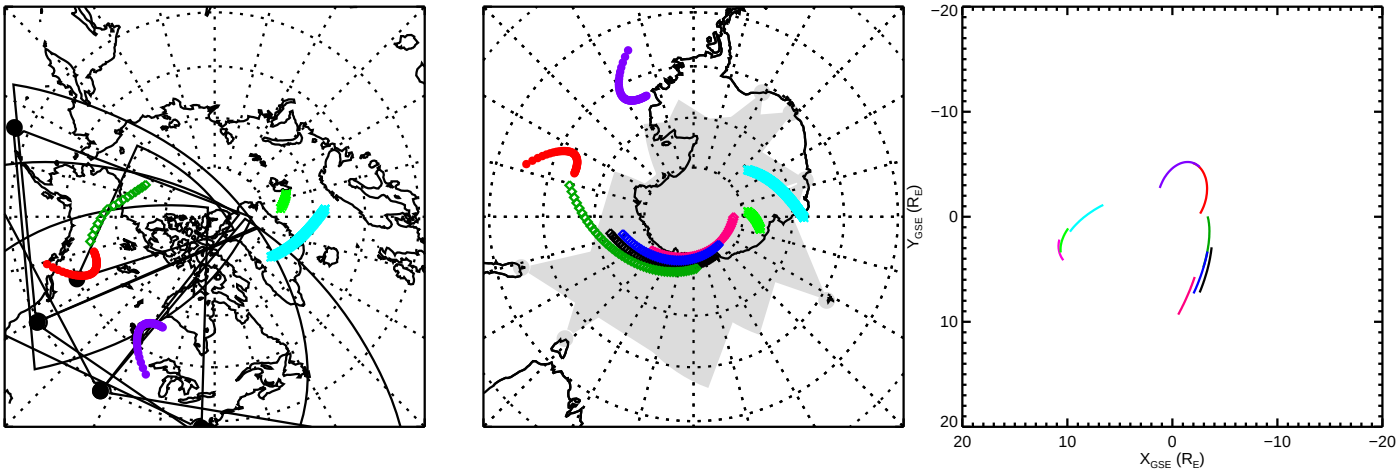
(b) 0655UT to 0750UT
bks cve fhe inv wal





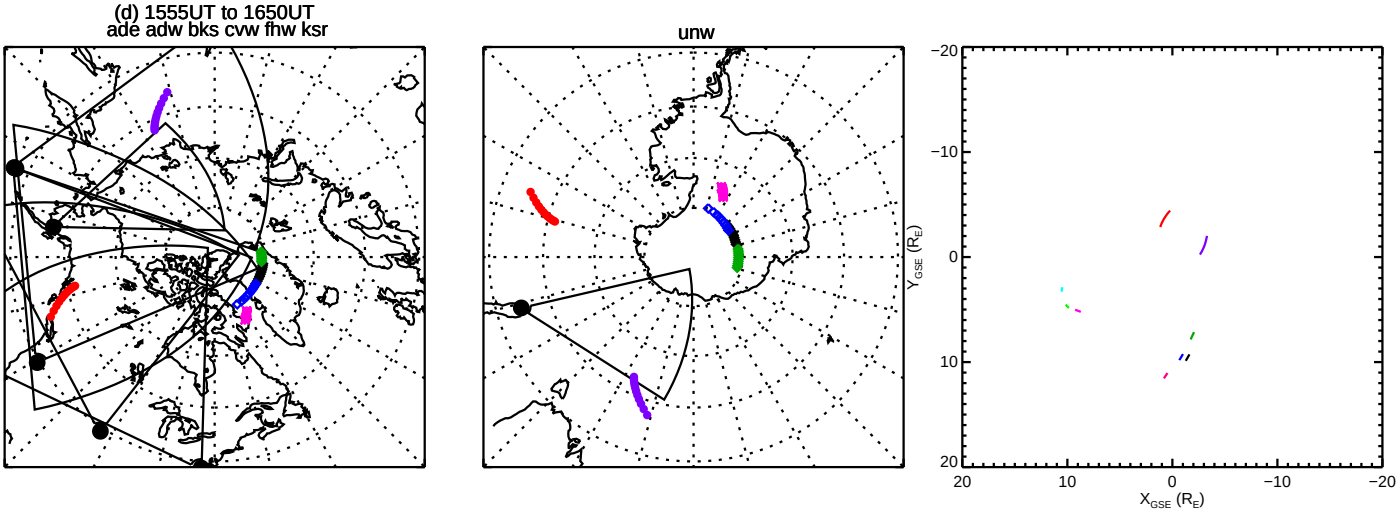


(c) 1000UT to 1350UT
ade bks cve cvw fhe fhw pgr



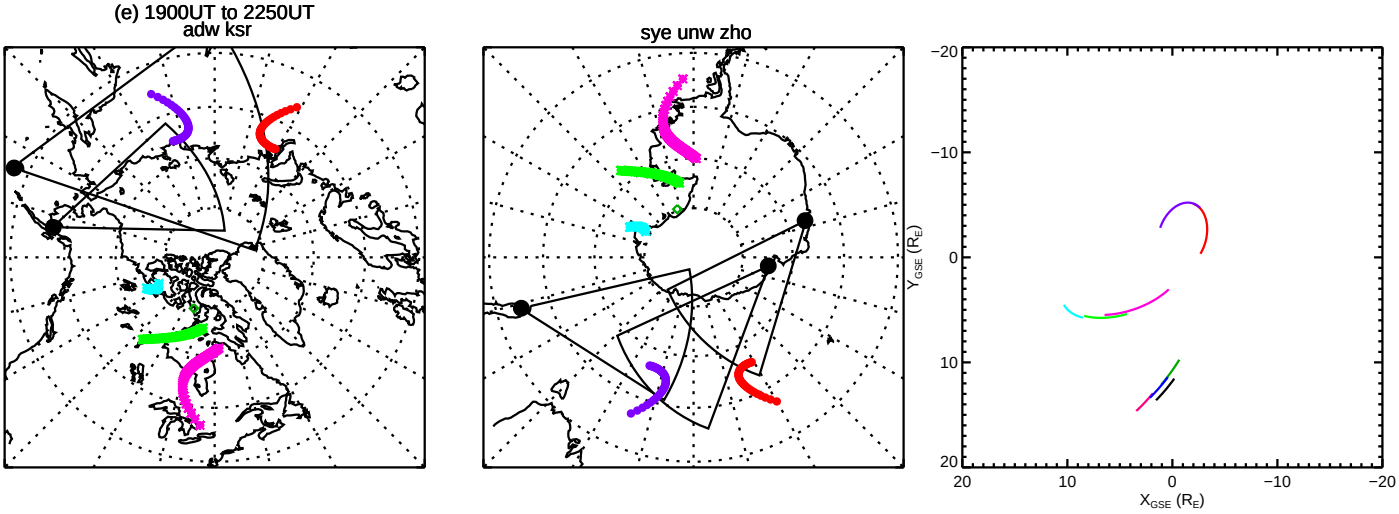
(d) 1555UT to 1650UT
ade adw bks cvw fhw ksr

unw



(e) 1900UT to 2250UT
adw ksr

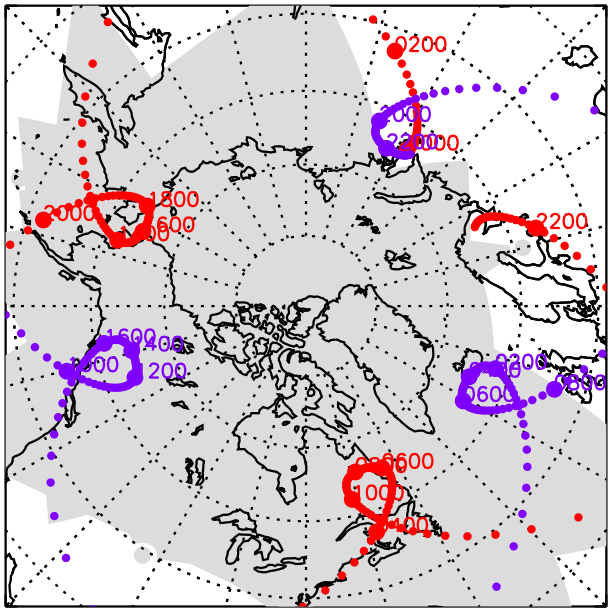
sye unw zho

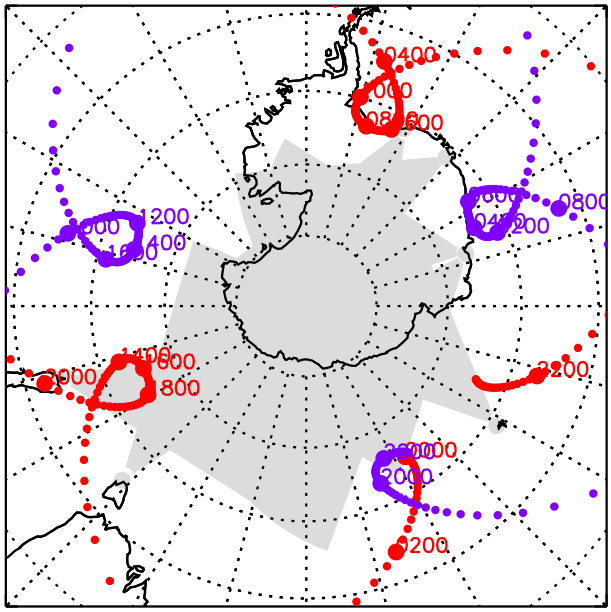


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

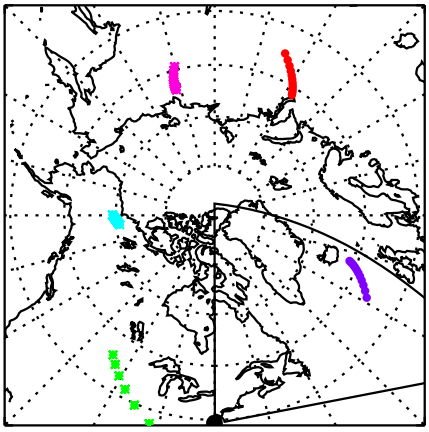
25−Dec−2012

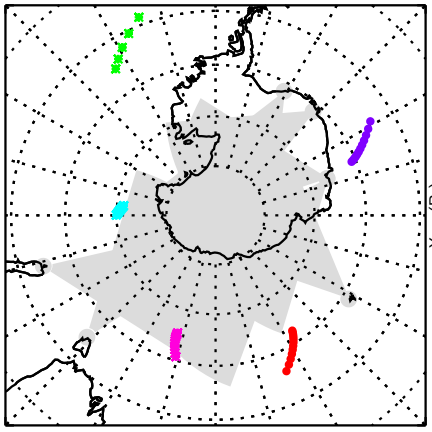
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > $3R_E$. Also with: C1 C2 C3 C4 THA THD THE

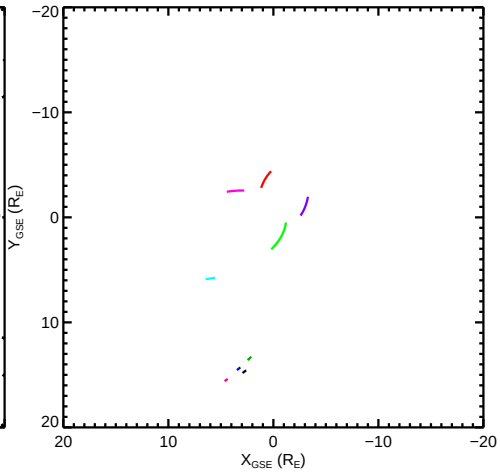




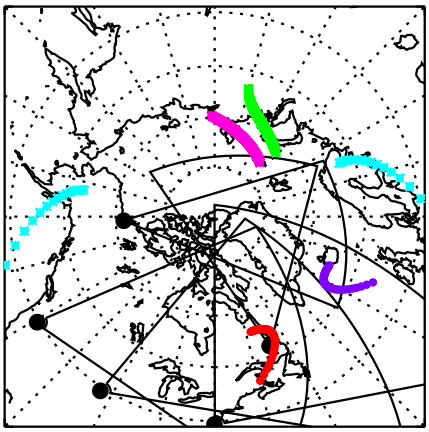
(a) 0055UT to 0150UT
wal

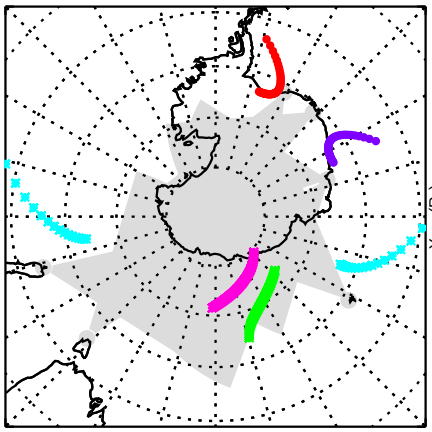


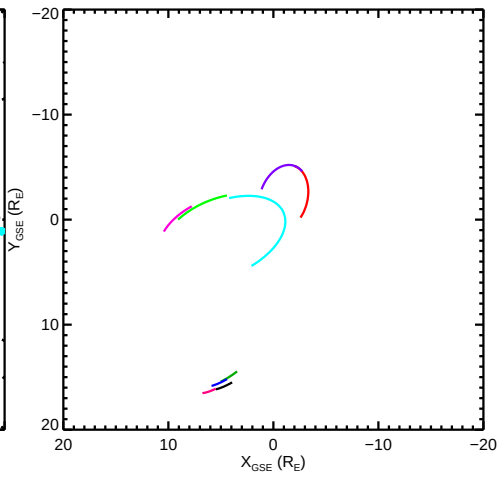




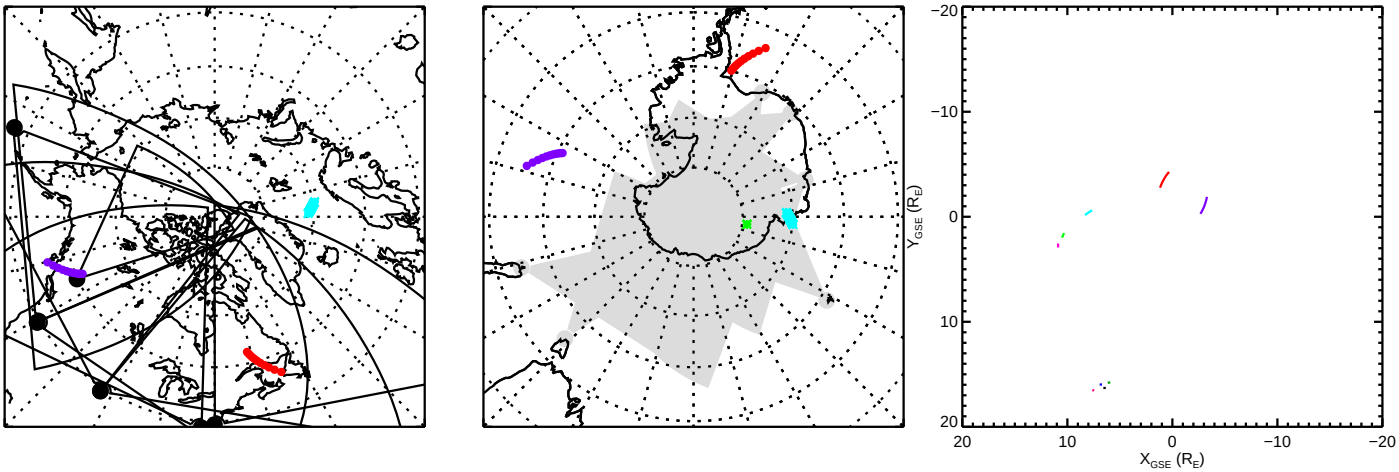
(b) 0355UT to 0750UT
cve fhe gbr inv wal





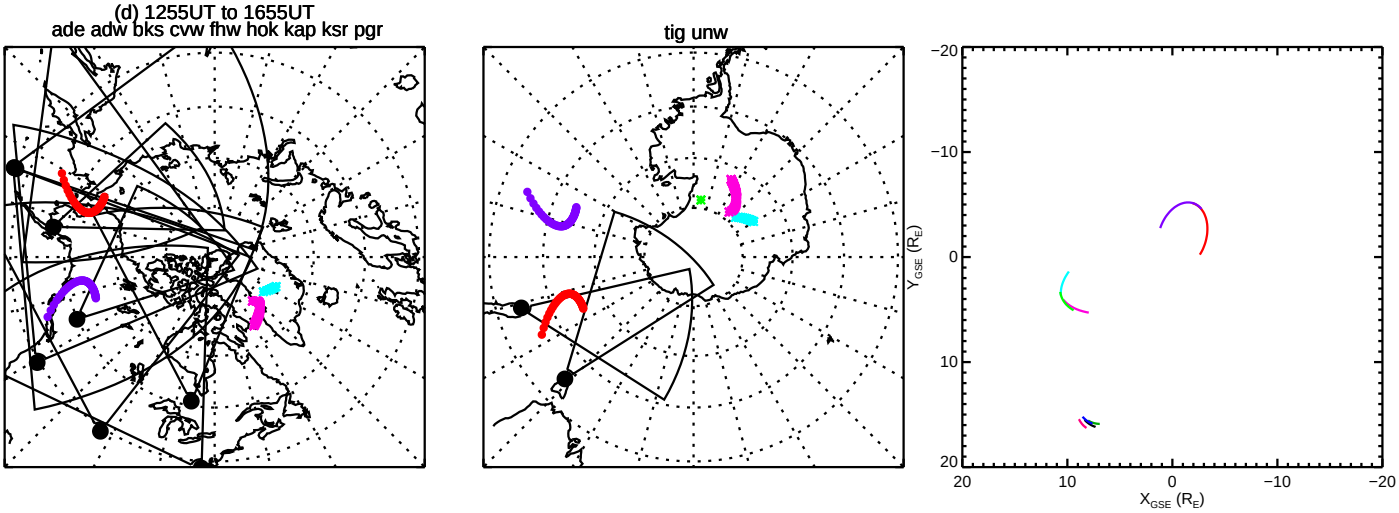


(c) 1000UT to 1050UT
ade bks cve cvw fhe fhw pgr wal



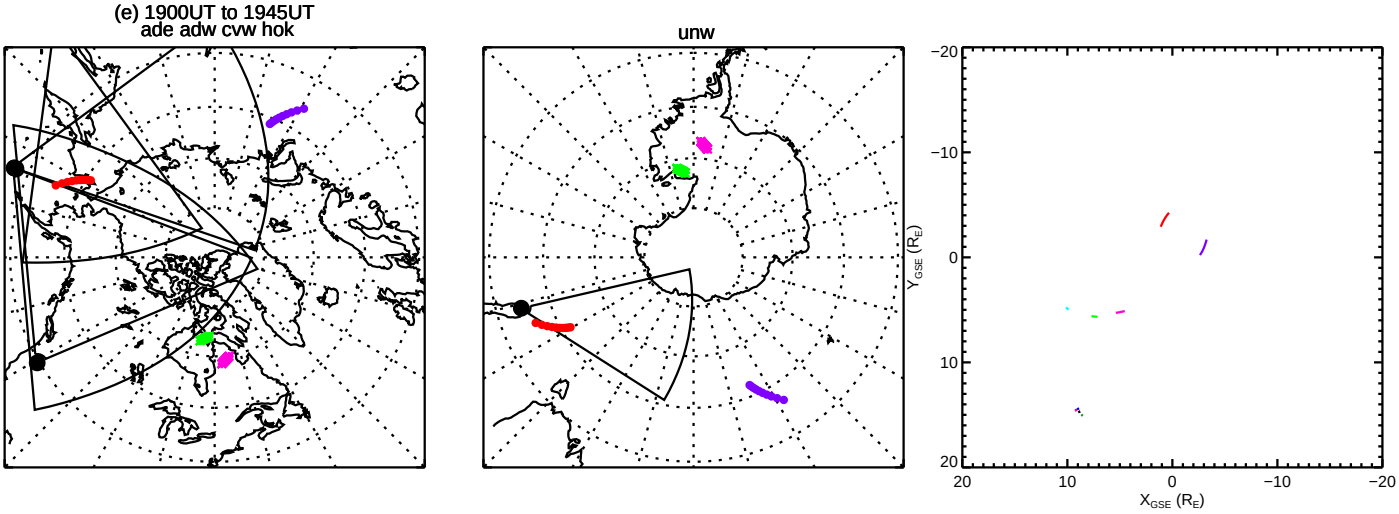
(d) 1255UT to 1655UT
ade adw bks cvw fhw hok kap ksr pgr

tig unw



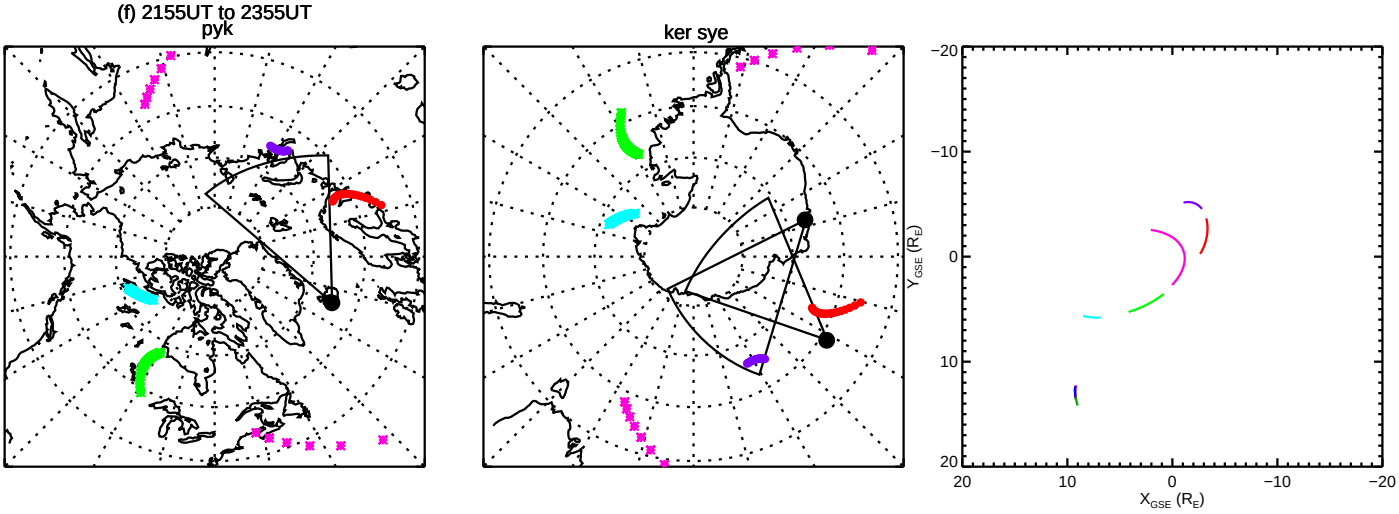
(e) 1900UT to 1945UT
ade adw cvw hok

unw



(f) 2155UT to 2355UT
pyk

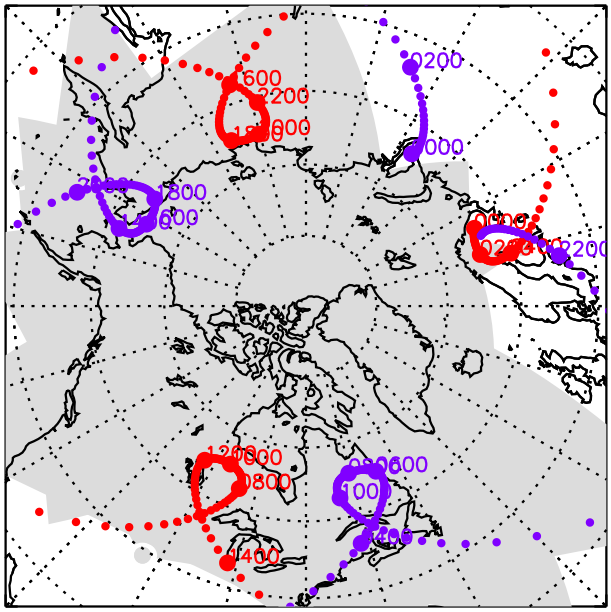
ker sye

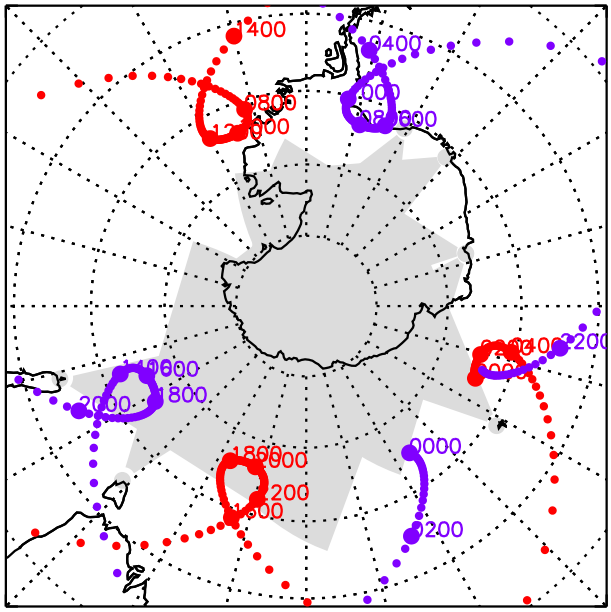


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

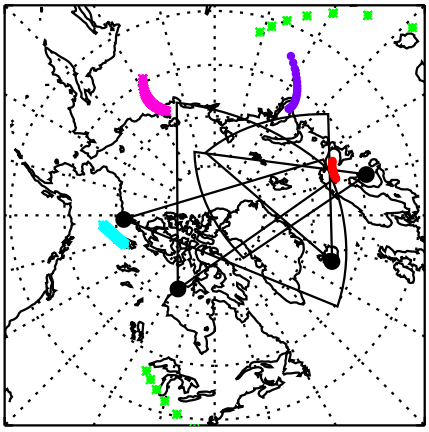
26−Dec−2012

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

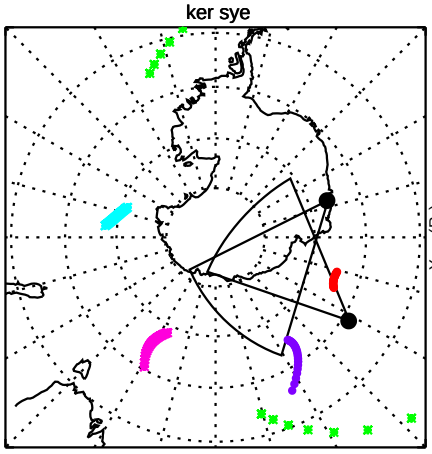


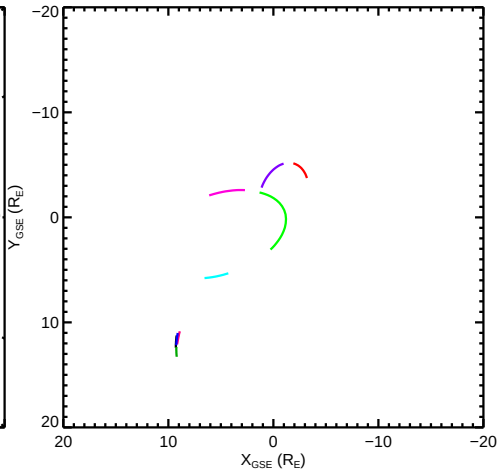


(a) 0000UT to 0155UT
han inv pyk rkn

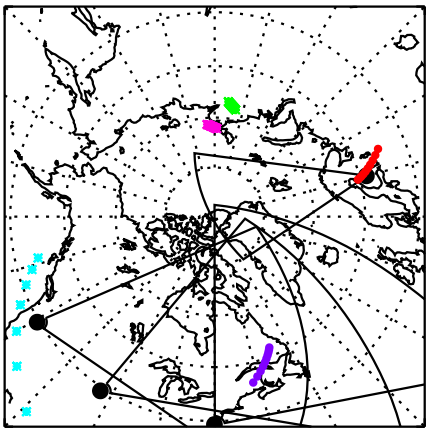


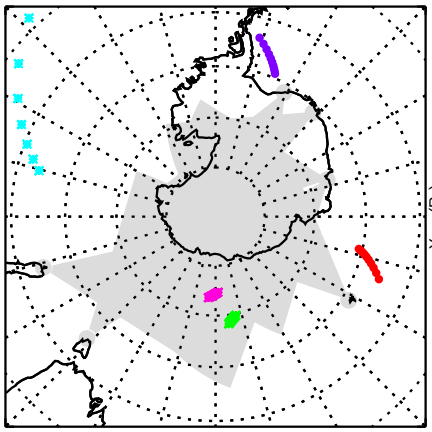
ker sye

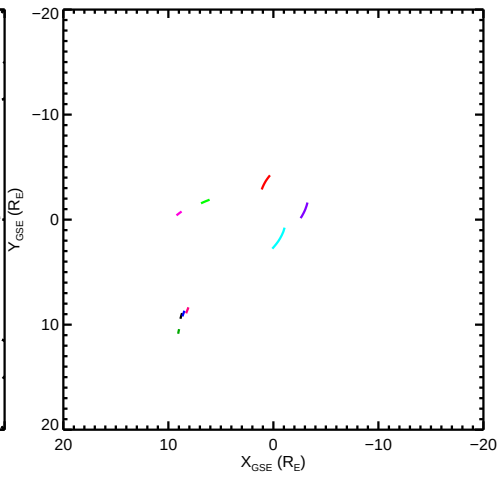




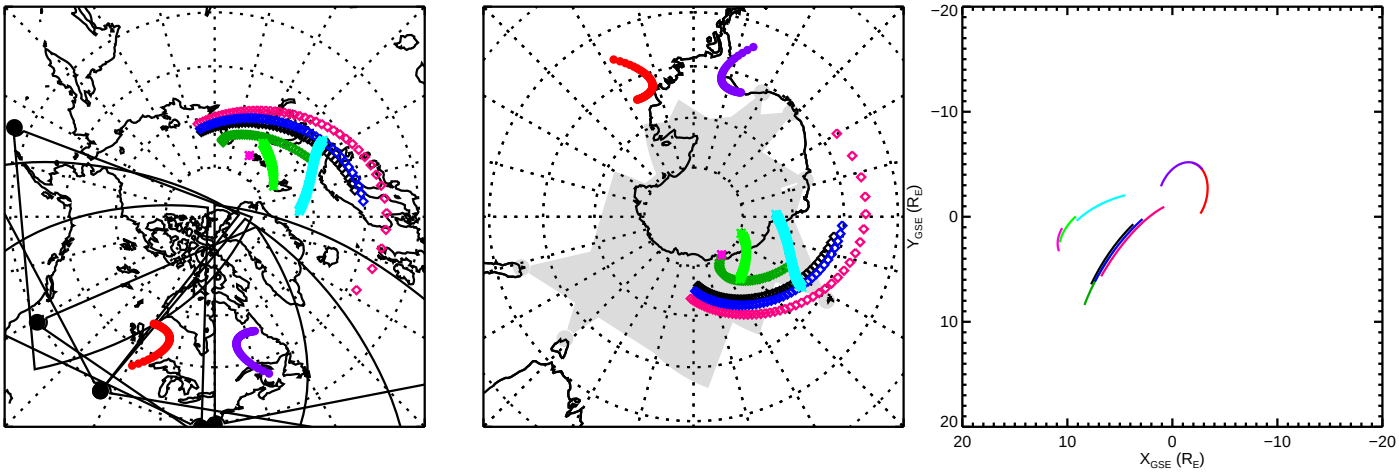
(b) 0400UT to 0445UT
cve fhe han wal





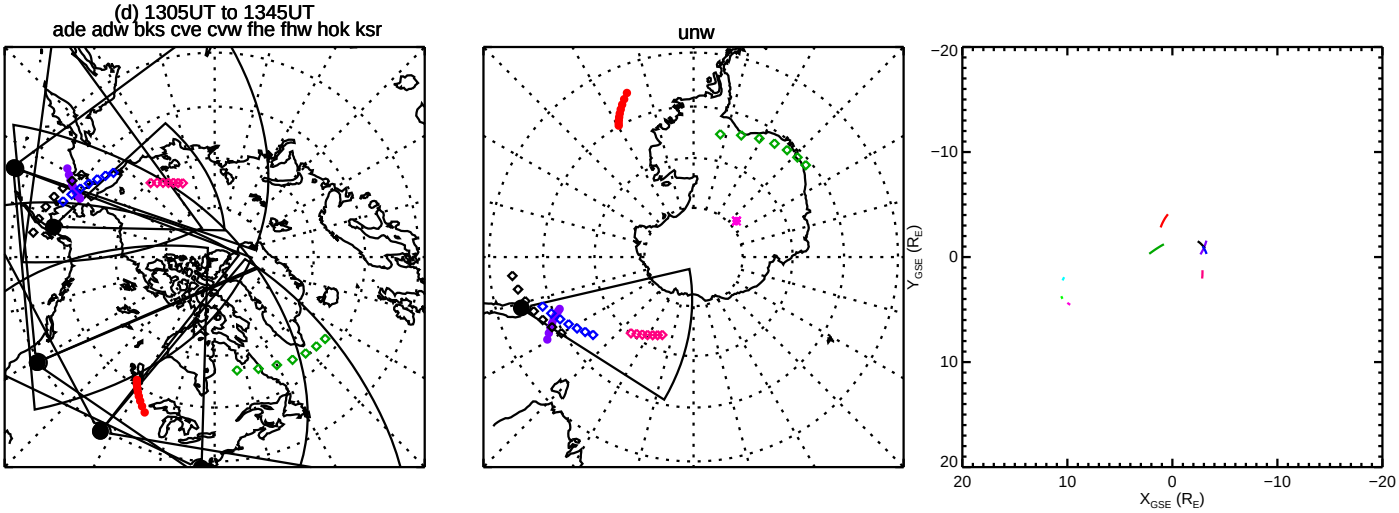


(c) 0655UT to 1055UT
ade bks cve fhe fhw wal



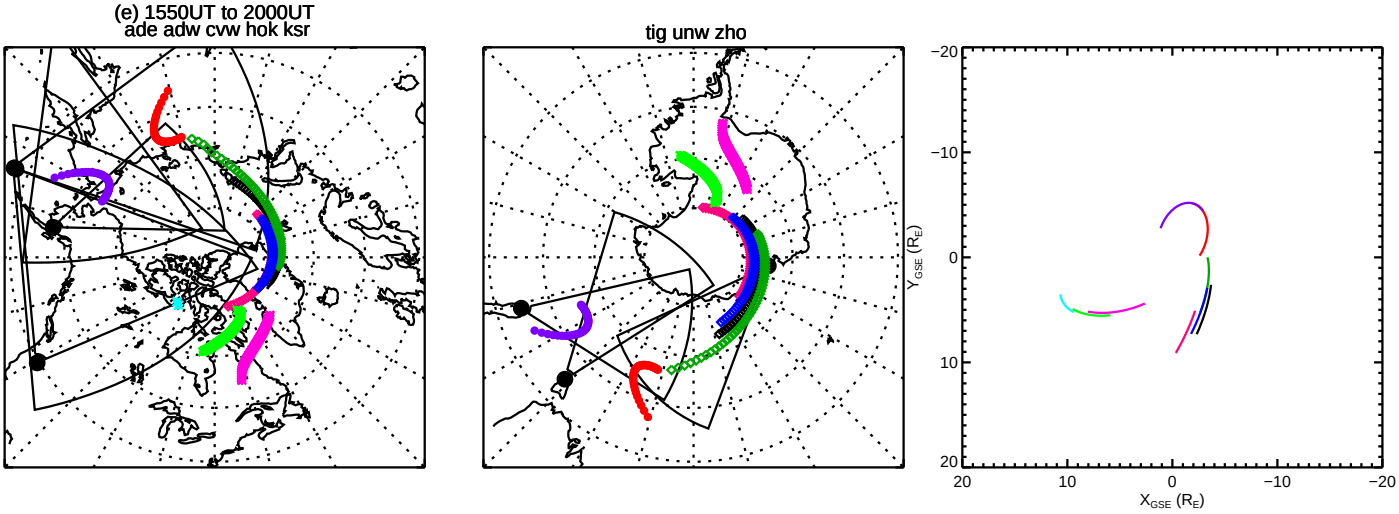
(d) 1305UT to 1345UT
ade adw bks cve cvw fhe fhw hok ksr

unw



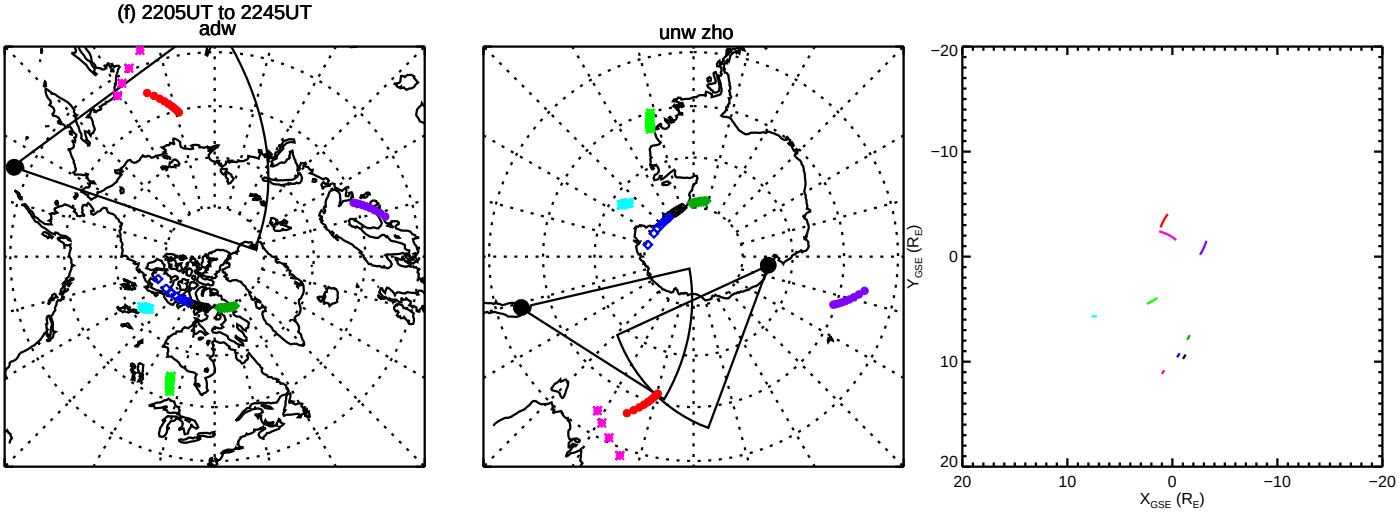
(e) 1550UT to 2000UT
ade adw cvw hok ksr

tig unw zho



(f) 2205UT to 2245UT
adw

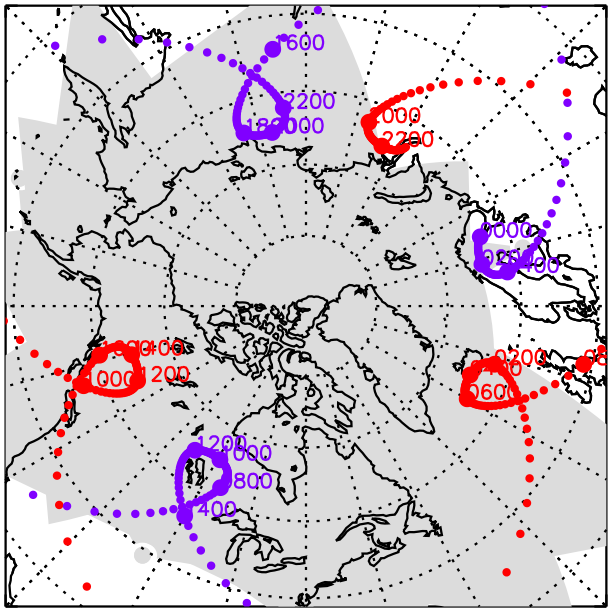
unw zho

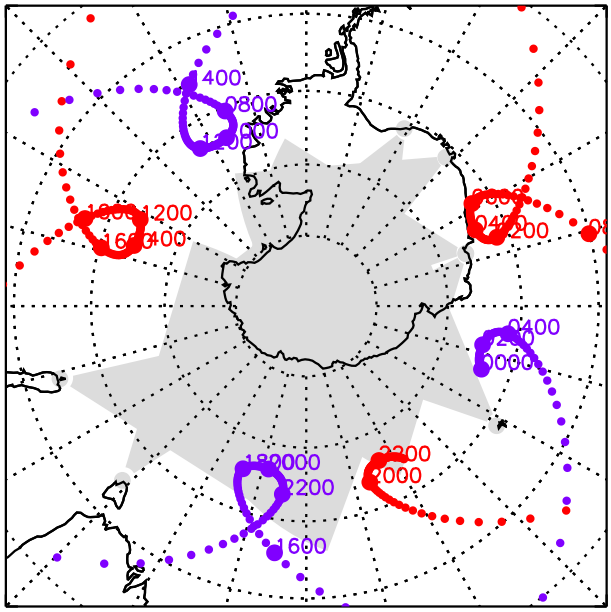


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

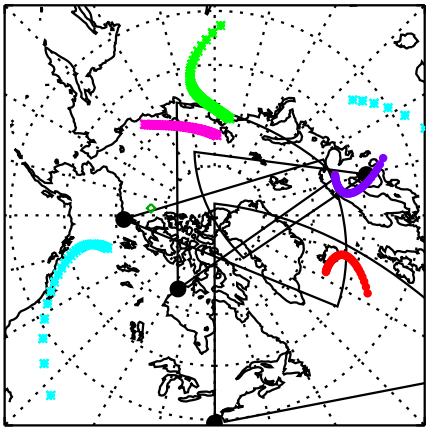
27−Dec−2012

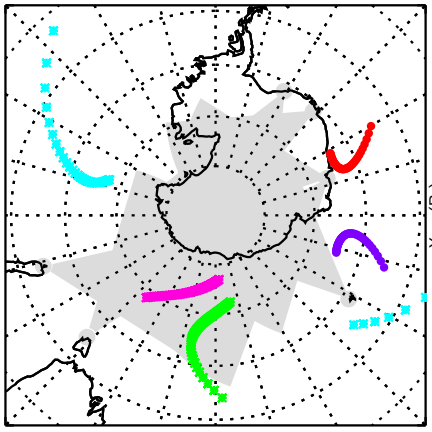
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > $3R_E$. Also with: C1 C2 C3 C4 THA THD THE

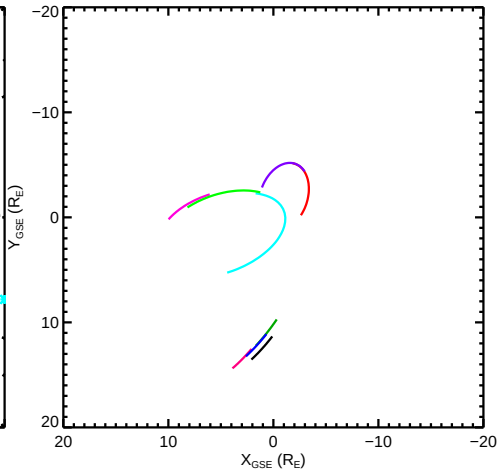




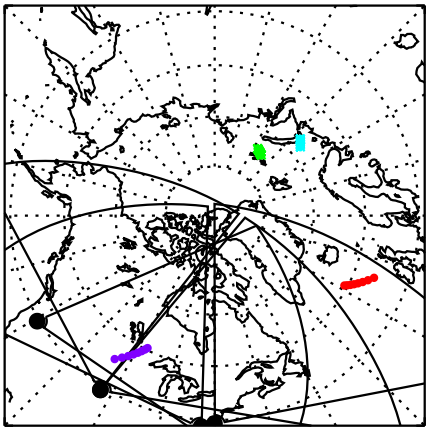
(a) 0050UT to 0500UT
han inv rkn wal

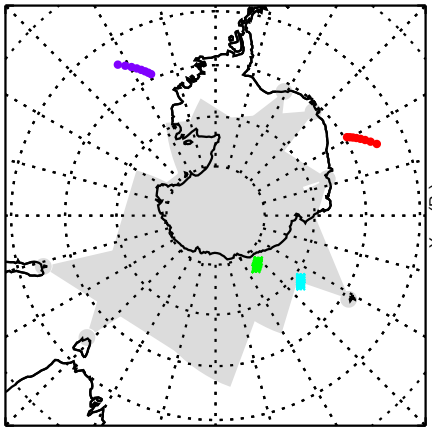


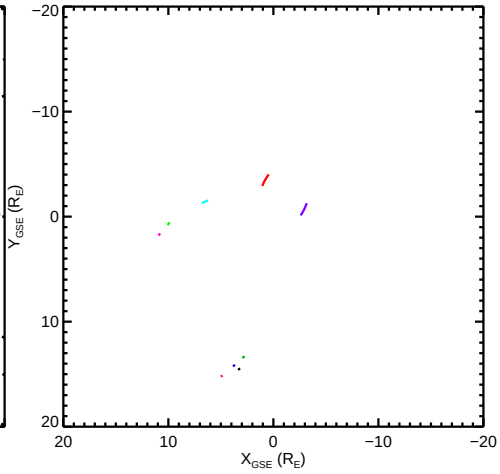




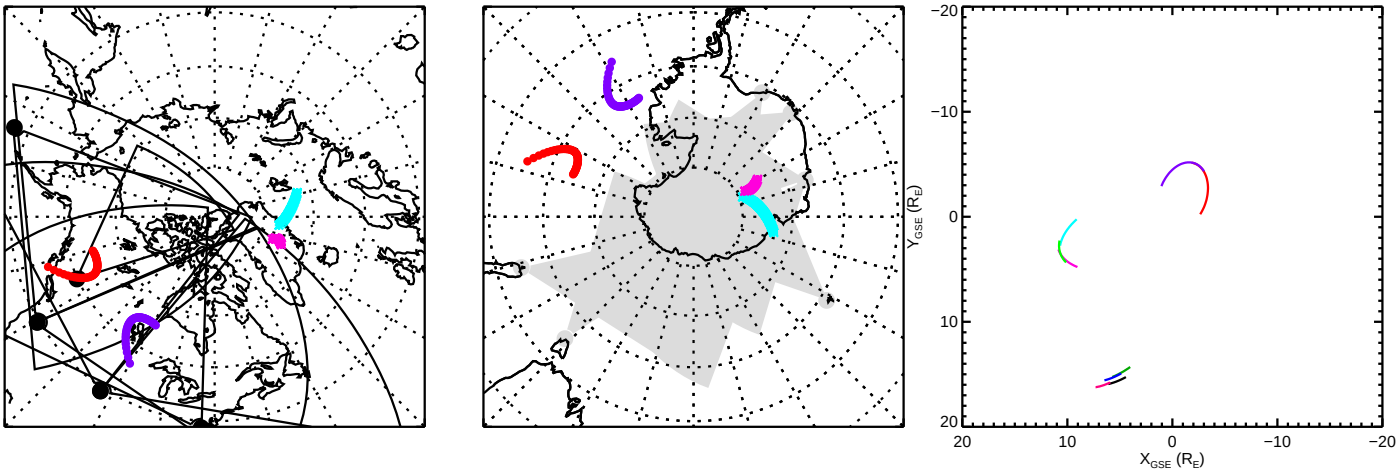
(b) 0705UT to 0740UT
bks cve fhe fhw wal





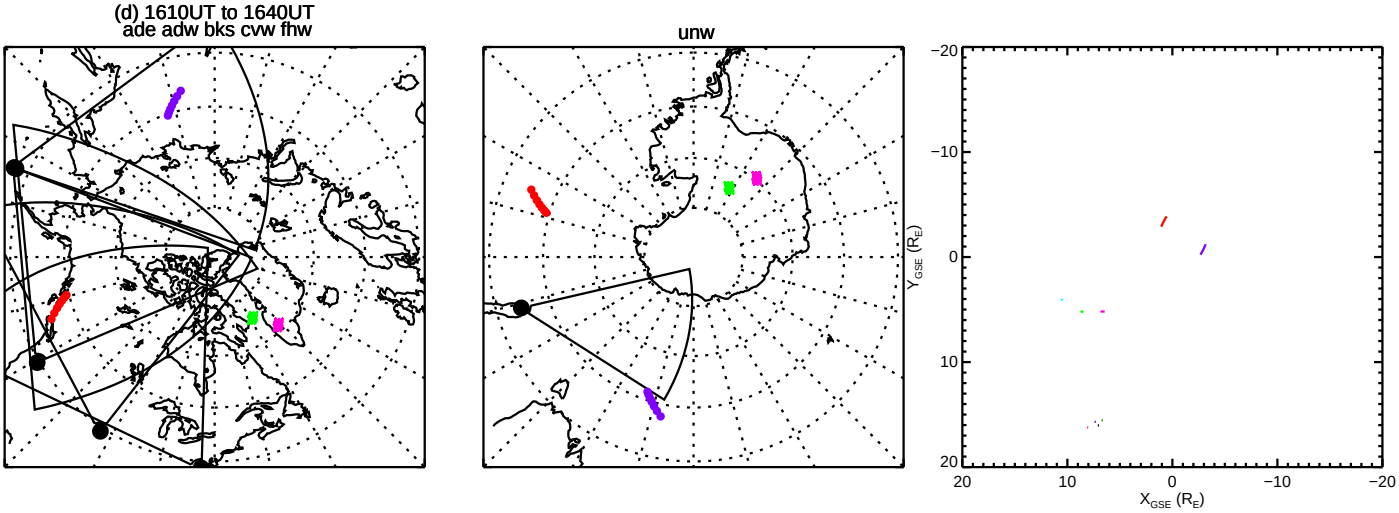


(c) 0950UT to 1400UT
ade bks cve cvw fhe fhw pgr



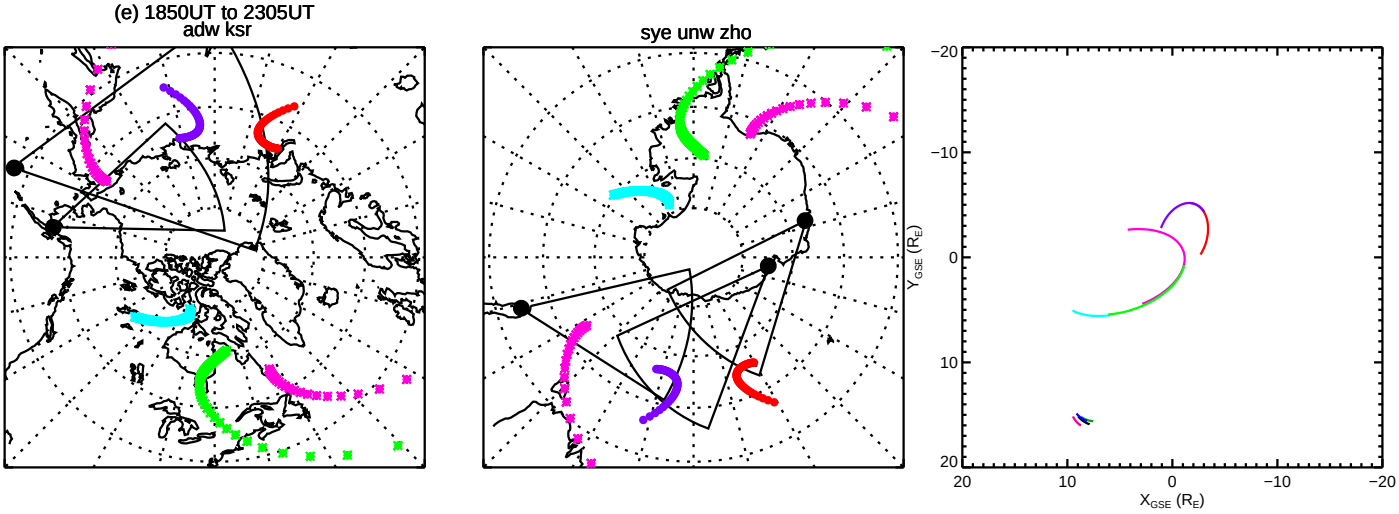
(d) 1610UT to 1640UT
ade adw bks cvw fhw

unw



(e) 1850UT to 2305UT
adw ksr

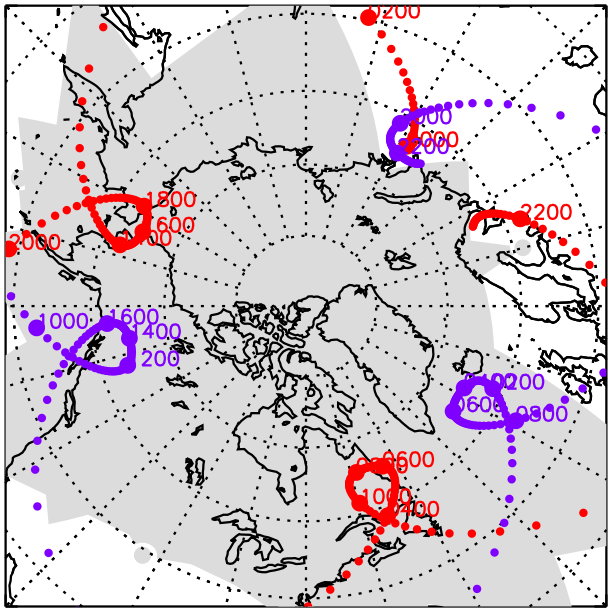
sye unw zho

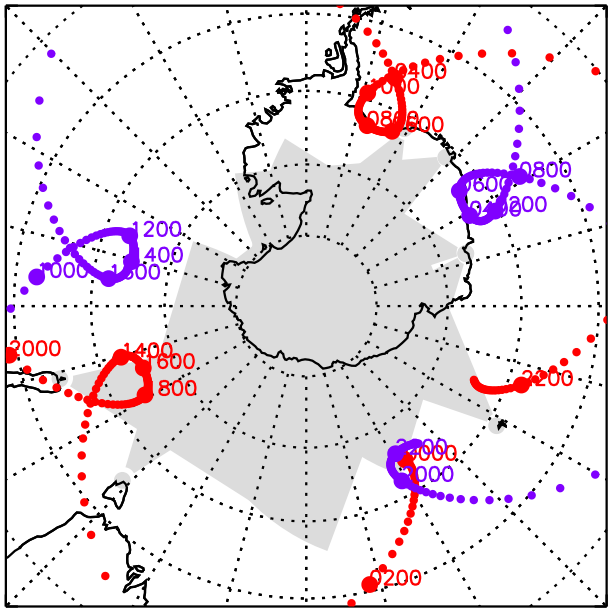


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

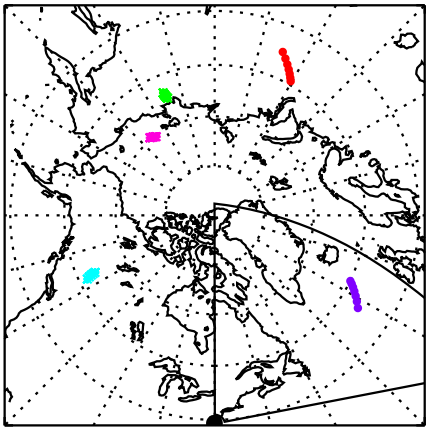
28−Dec−2012

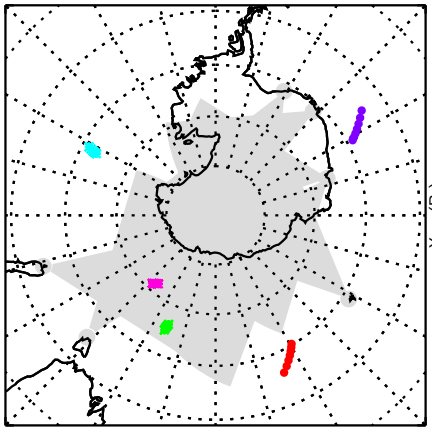
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > $3R_E$. Also with: C1 C2 C3 C4 THA THD THE

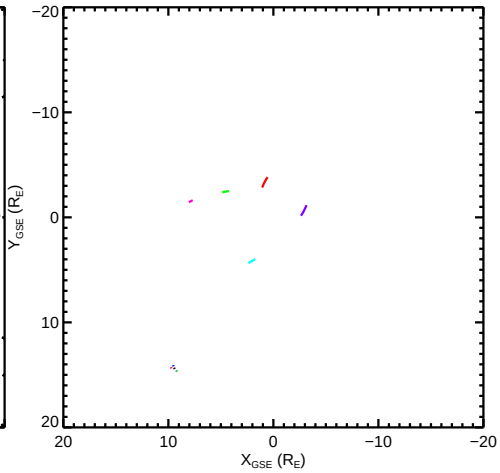




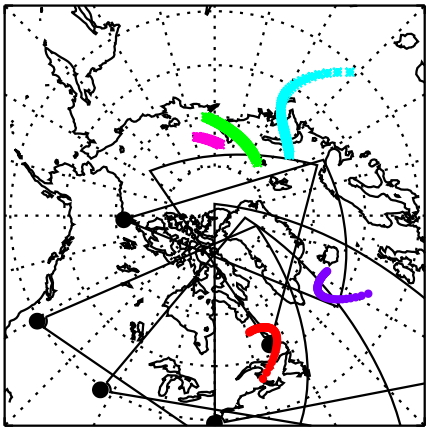
(a) 0110UT to 0140UT
wal

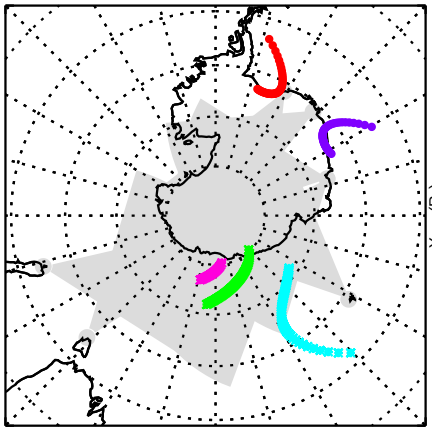


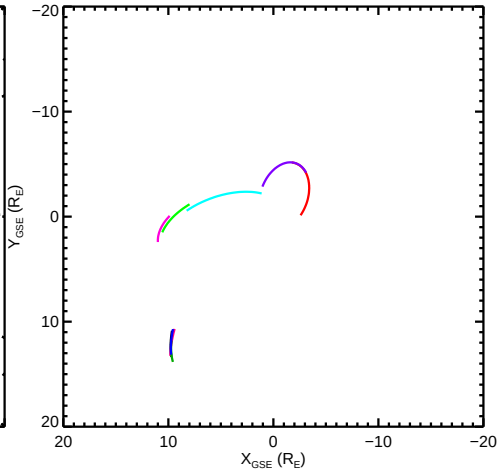




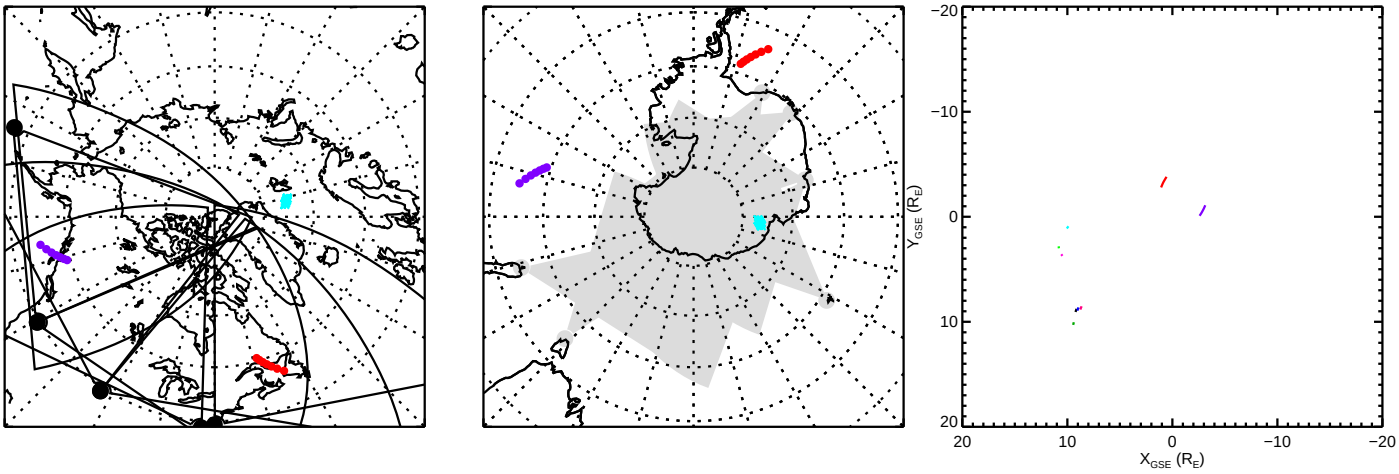
(b) 0345UT to 0805UT
cve fhe gbr inv wal





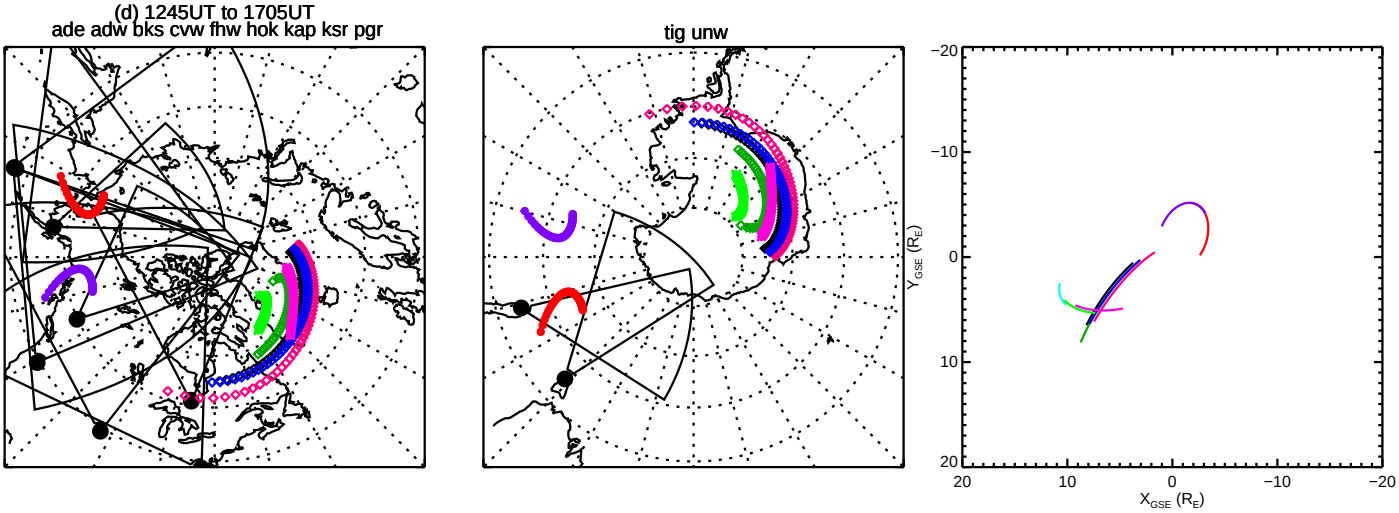


(c) 1010UT to 1040UT
ade bks cve cvw fhe fhw wal



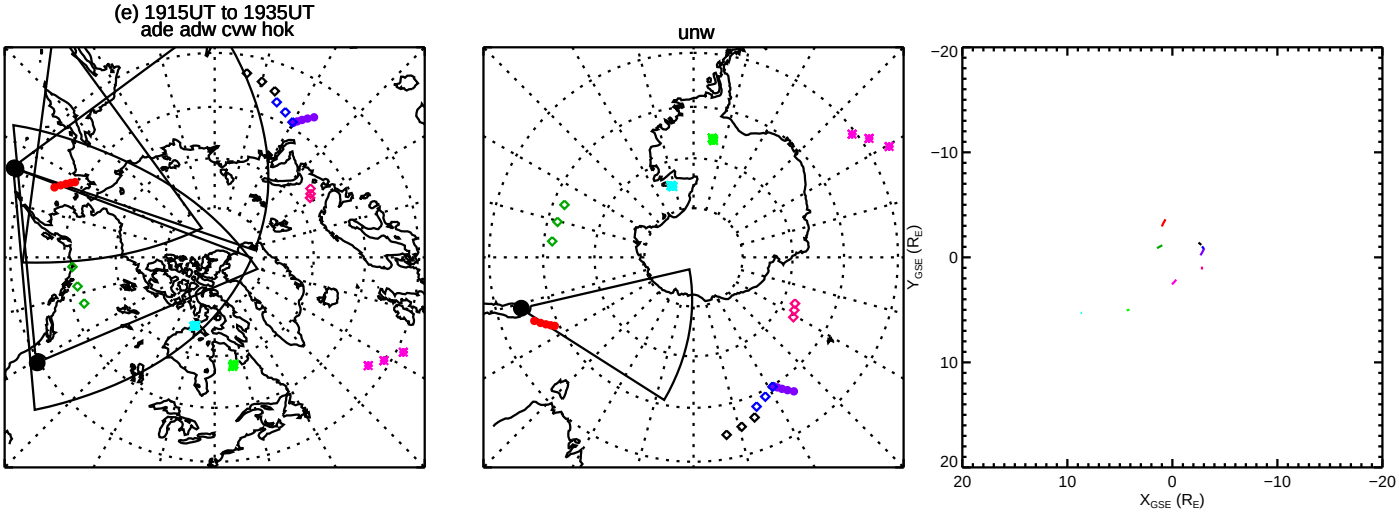
(d) 1245UT to 1705UT
ade adw bks cvw fhw hok kap ksr pgr

tig unw



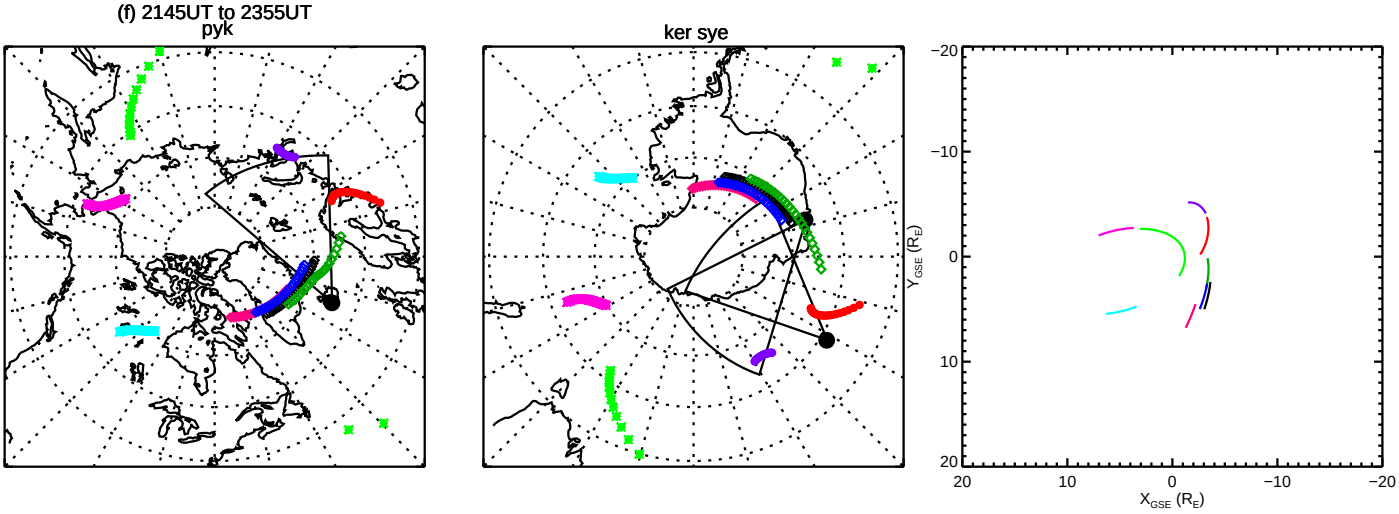
(e) 1915UT to 1935UT
ade adw cvw hok

unw



(f) 2145UT to 2355UT
pyk

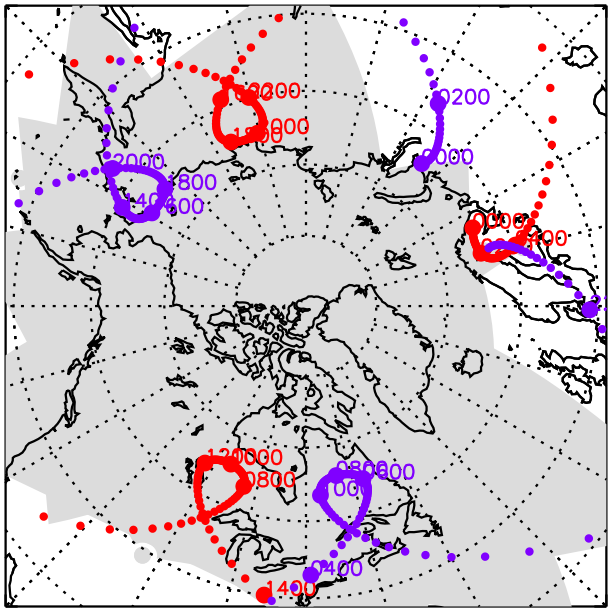
ker sye

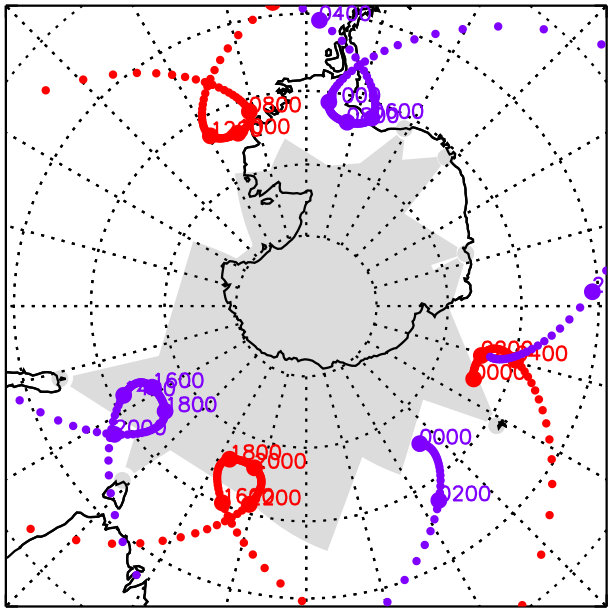


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

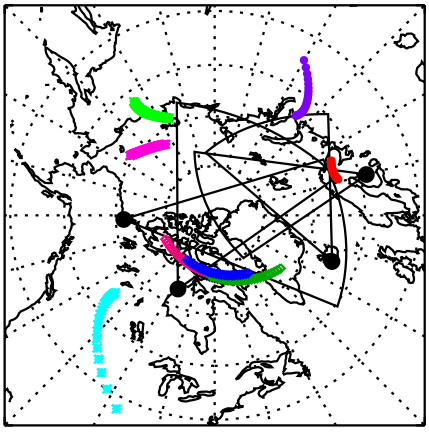
29−Dec−2012

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

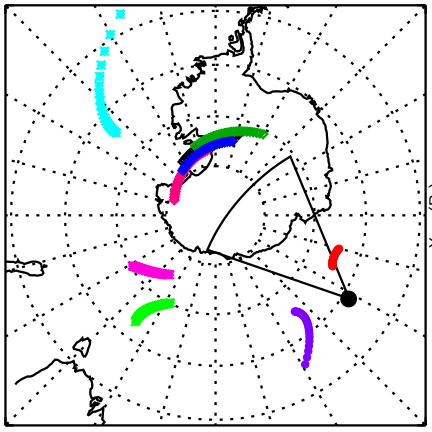


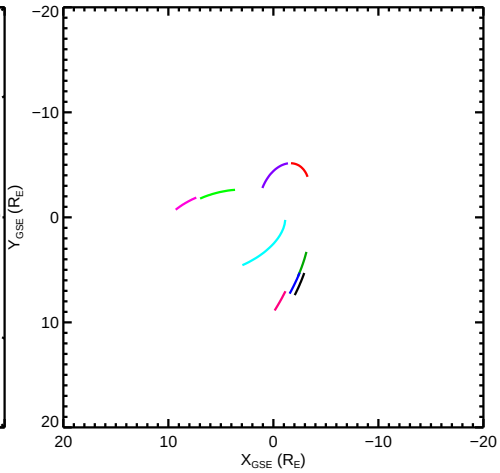


(a) 0000UT to 0210UT
han inv pyk rkn

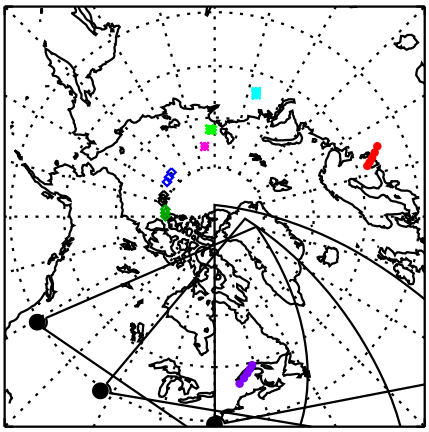


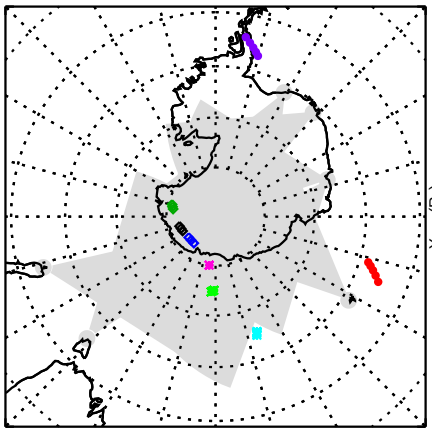
ker

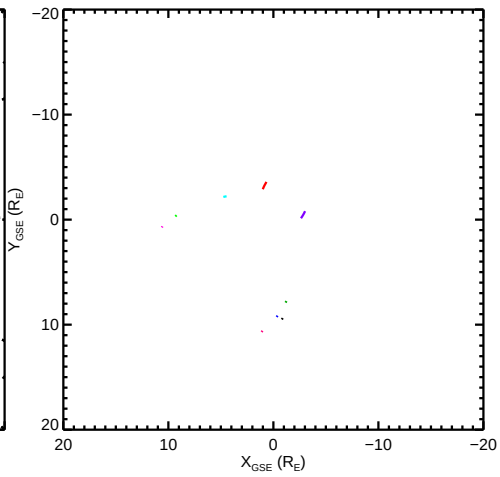




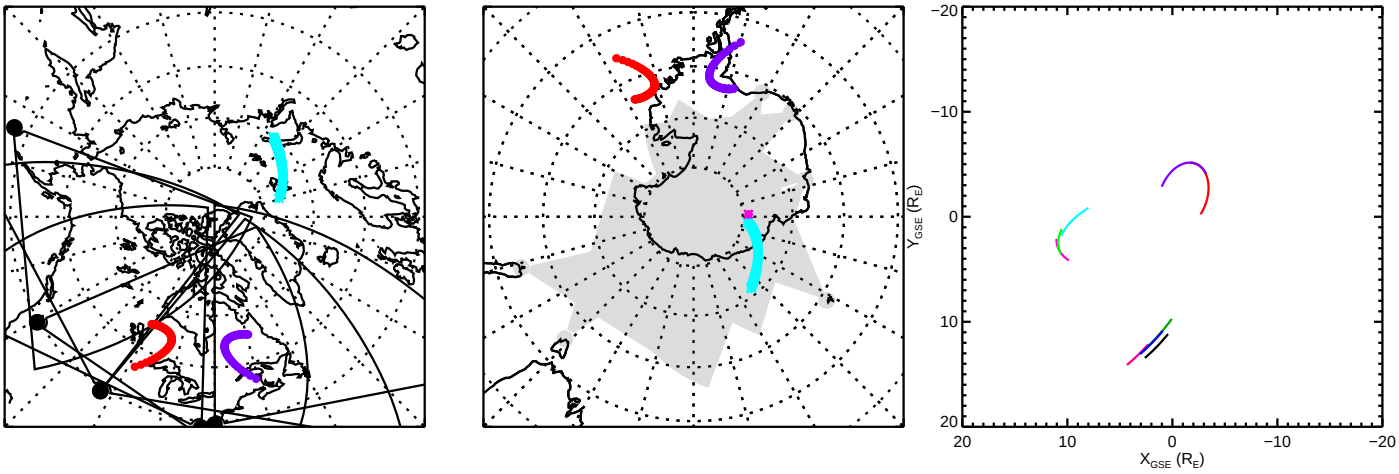
(b) 0415UT to 0435UT
cve fhe wal





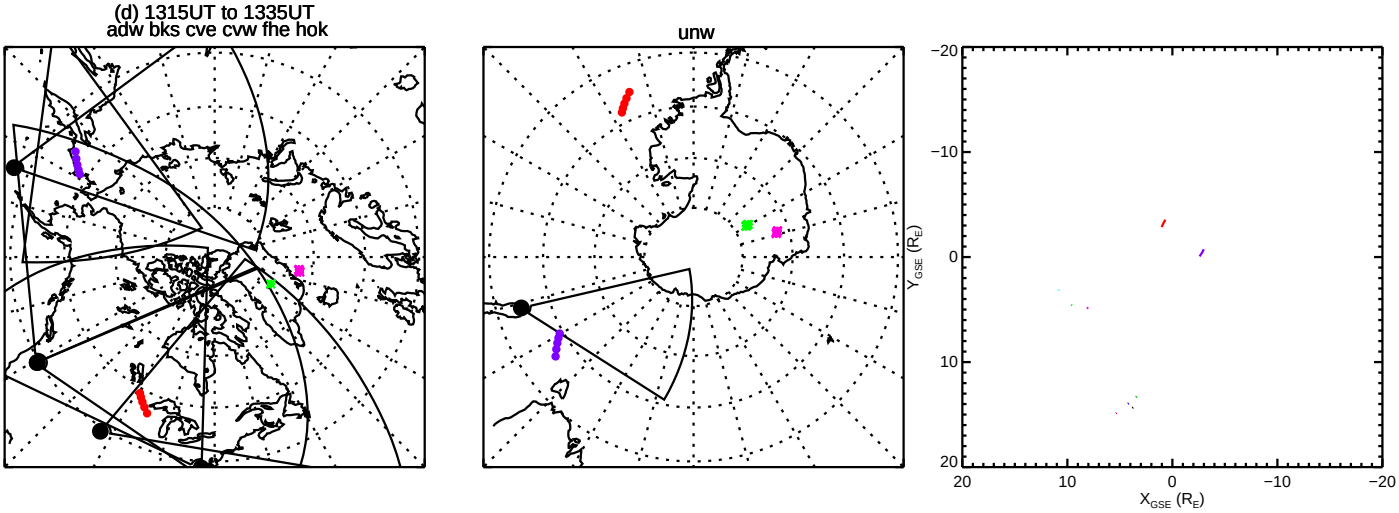


(c) 0645UT to 1110UT
ade bks cve fhe fhw wal



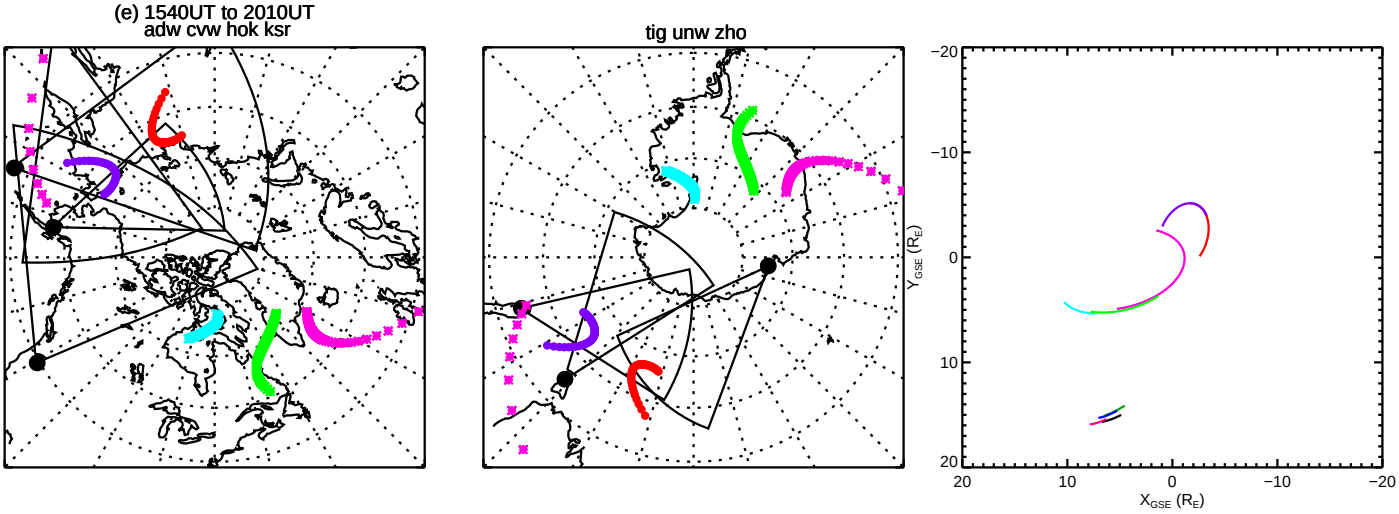
(d) 1315UT to 1335UT
adw bks cve cvw fhe hok

unw

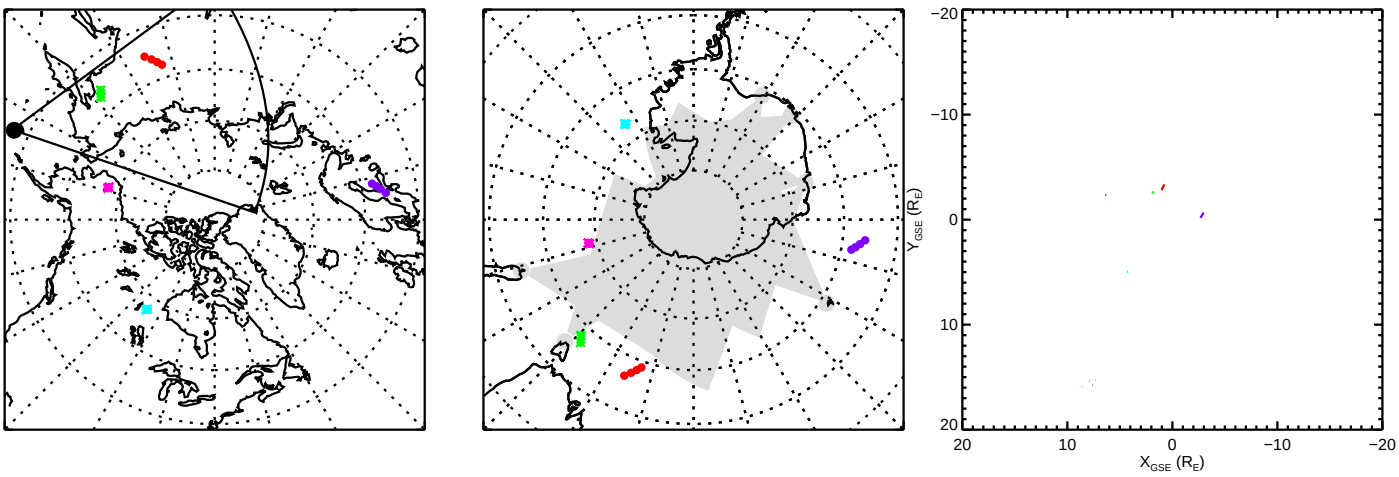


(e) 1540UT to 2010UT
adw cvw hok ksr

tig unw zho



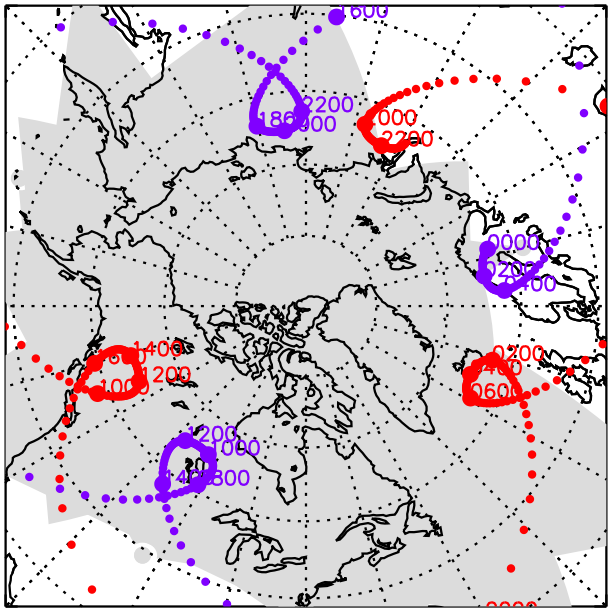
(f) 2220UT to 2235UT
adw

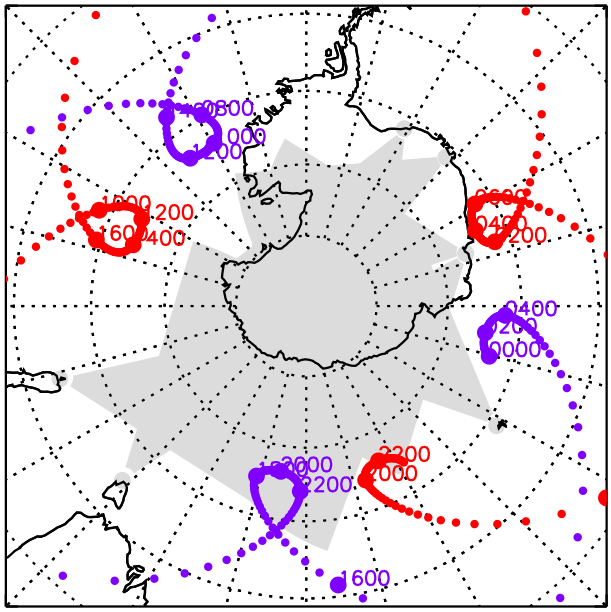


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

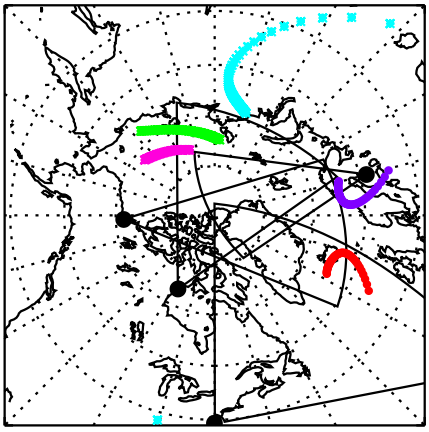
30−Dec−2012

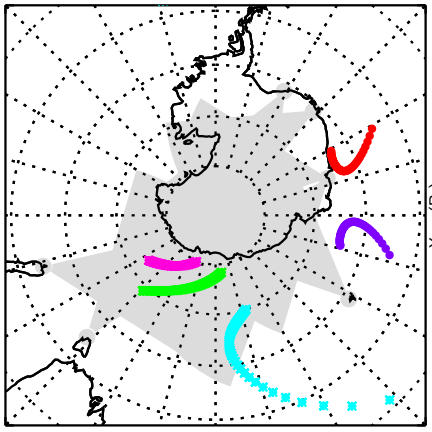
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > $3R_E$. Also with: C1 C2 C3 C4 THA THD THE

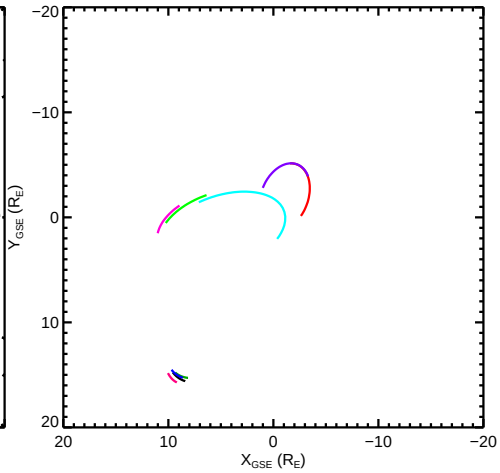




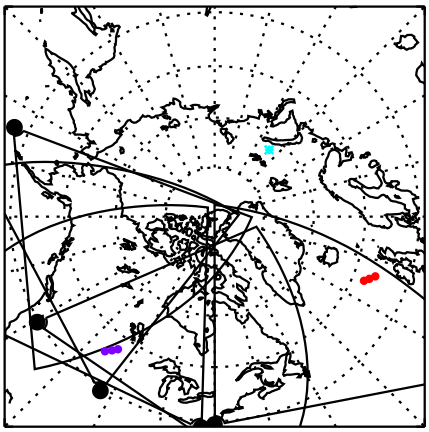
(a) 0040UT to 0515UT
han inv rkn wal

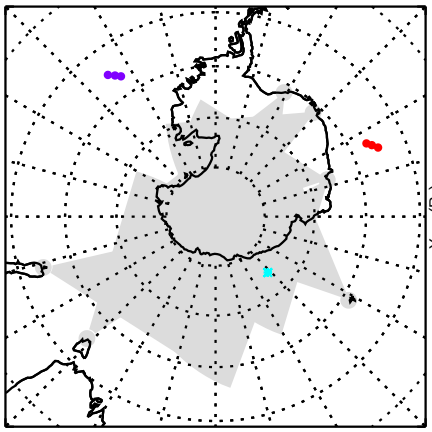


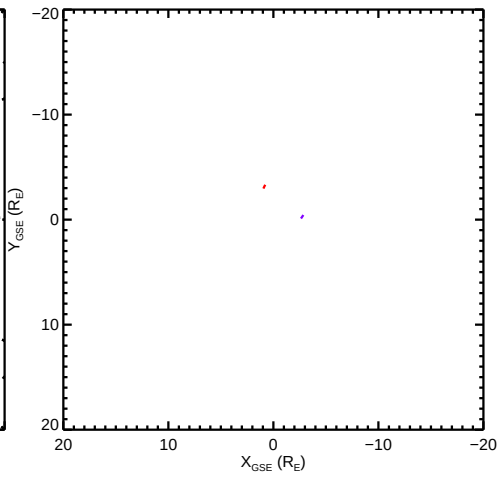




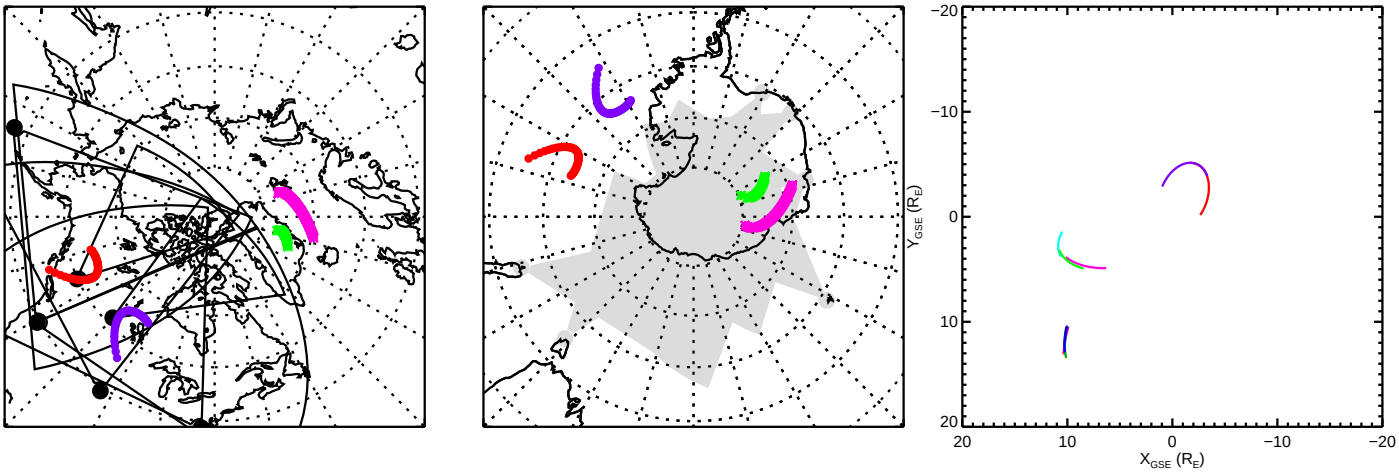
(b) 0720UT to 0730UT
ade bks cve fhw wal



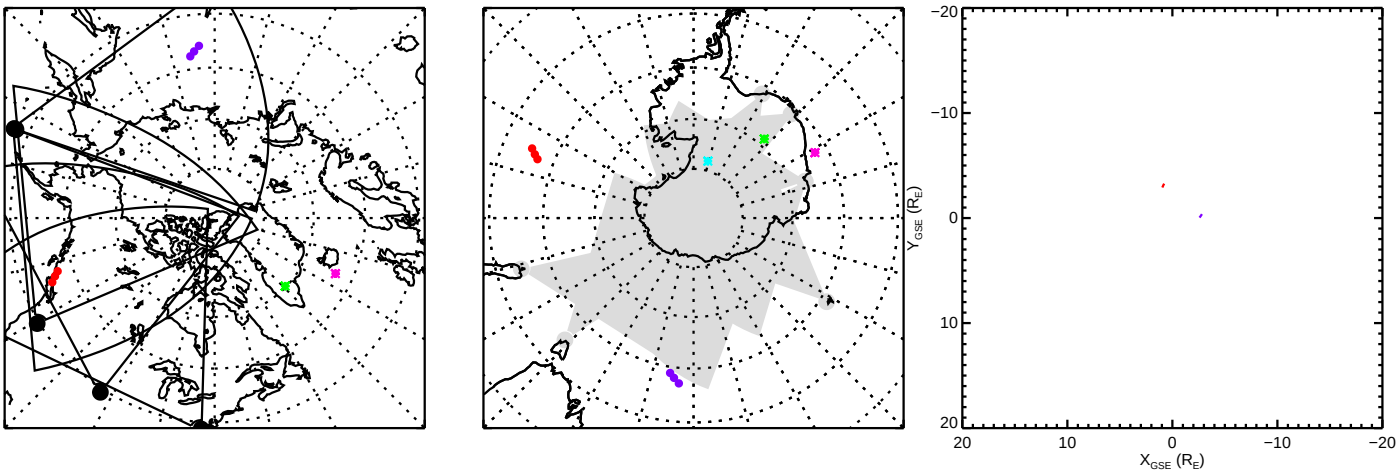




(c) 0940UT to 1415UT
ade bks cve cvw fhw pgr sas

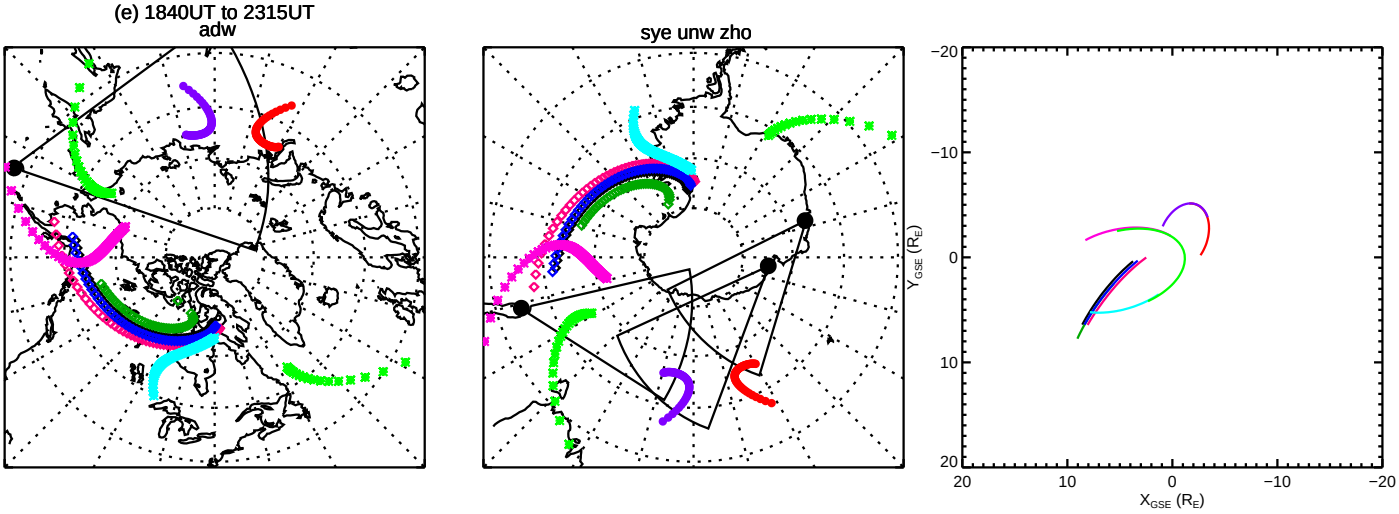


(d) 1620UT to 1630UT
ade adw bks cvw fhw



(e) 1840UT to 2315UT
adw

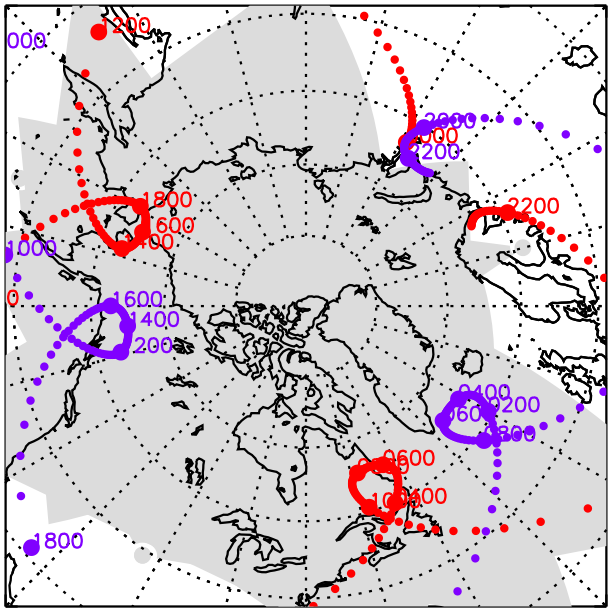
sye unw zho

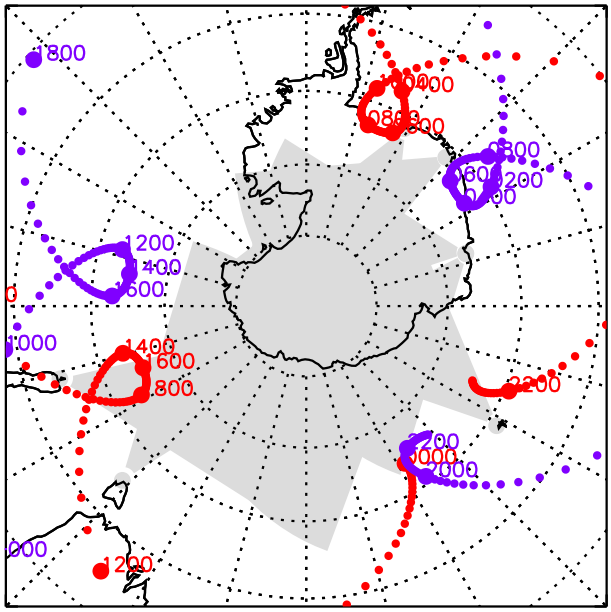


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

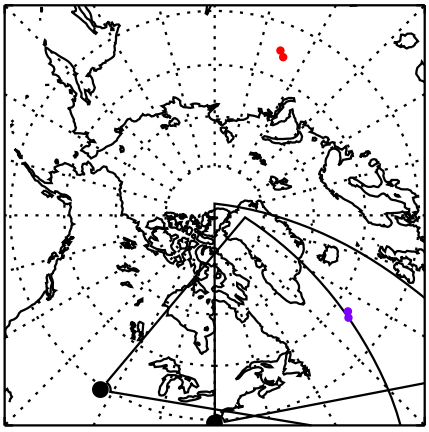
31−Dec−2012

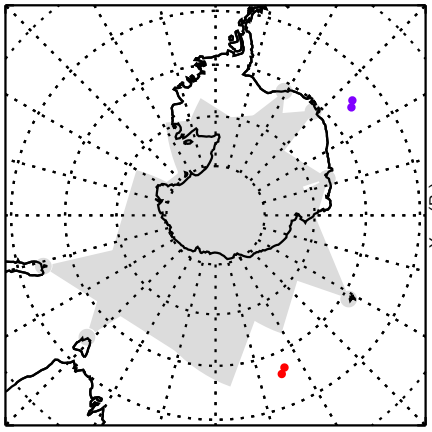
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > $3R_E$. Also with: C1 C2 C3 C4 THA THD THE

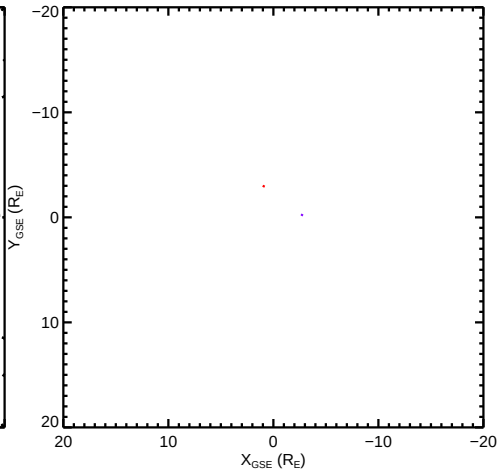




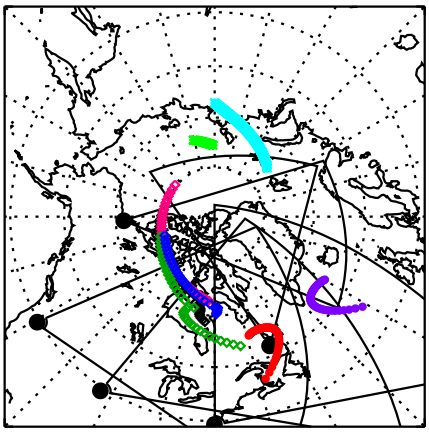
(a) 0125UT to 0130UT
fhe wal

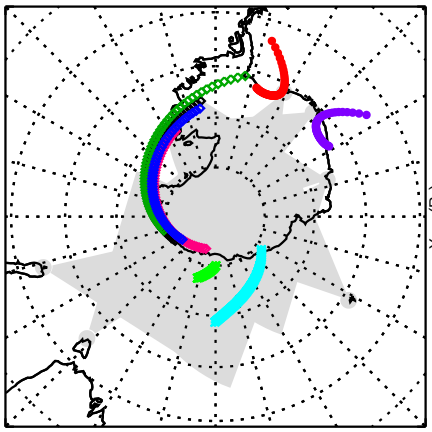


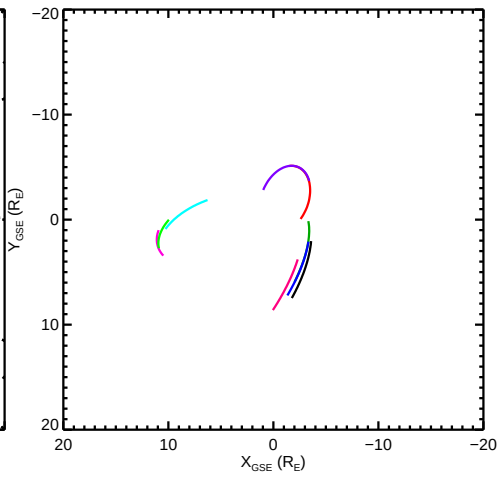




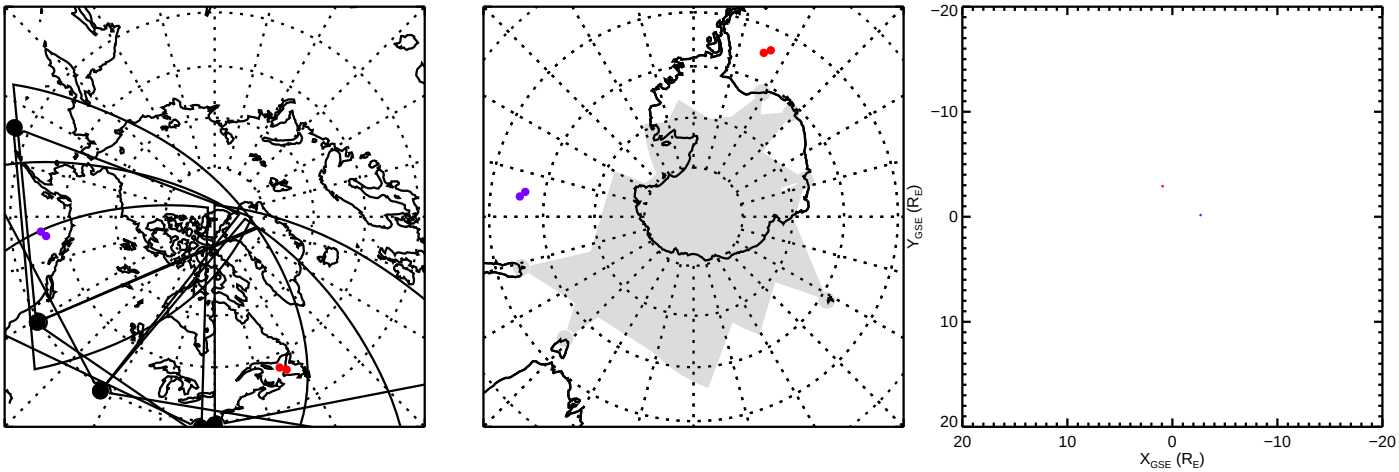
(b) 0335UT to 0820UT
cve fhe gbr inv wal





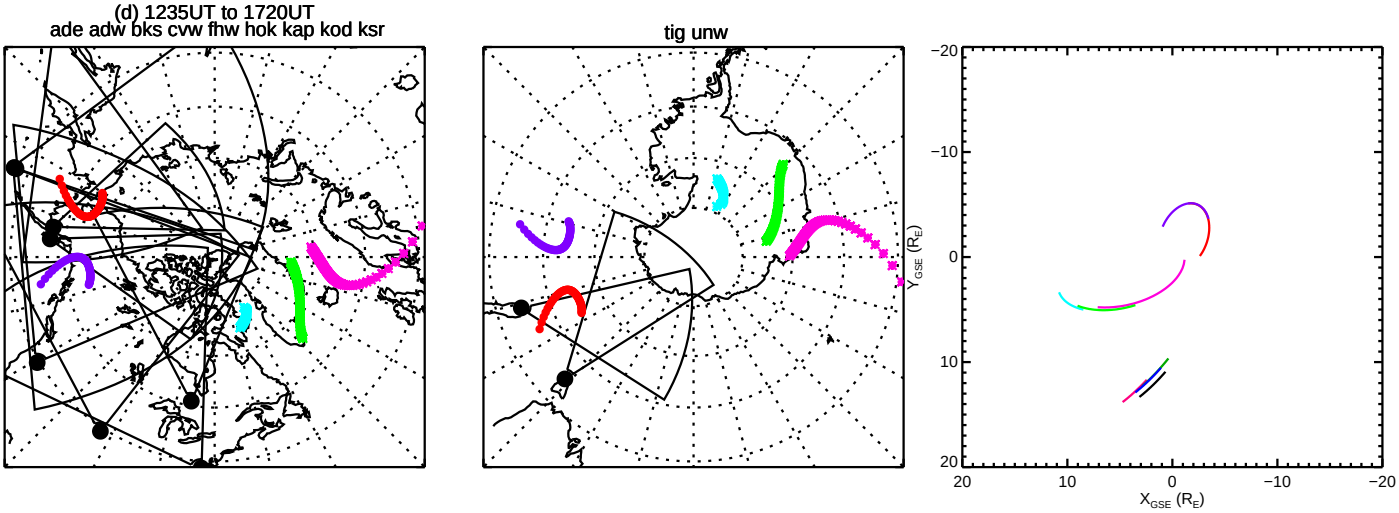


(c) 1025UT to 1030UT
ade bks cve cvw fhe fhw wal

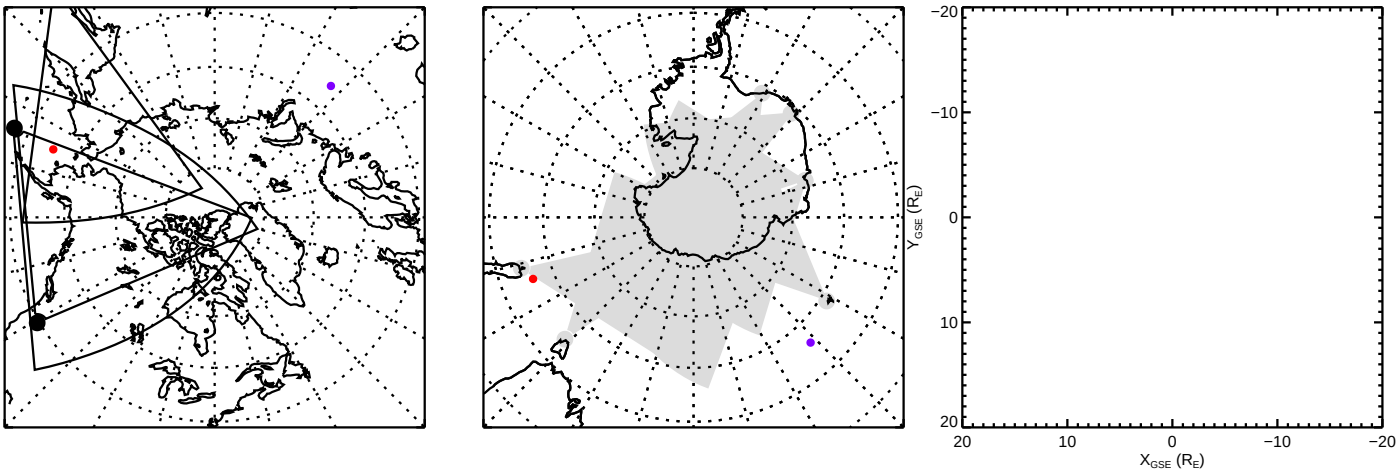


(d) 1235UT to 1720UT
ade adw bks cvw fhw hok kap kod ksr

tig unw



(e) 1925UT to 1925UT
ade cvw hok



(f) 2135UT to 2355UT
pyk

ker sye