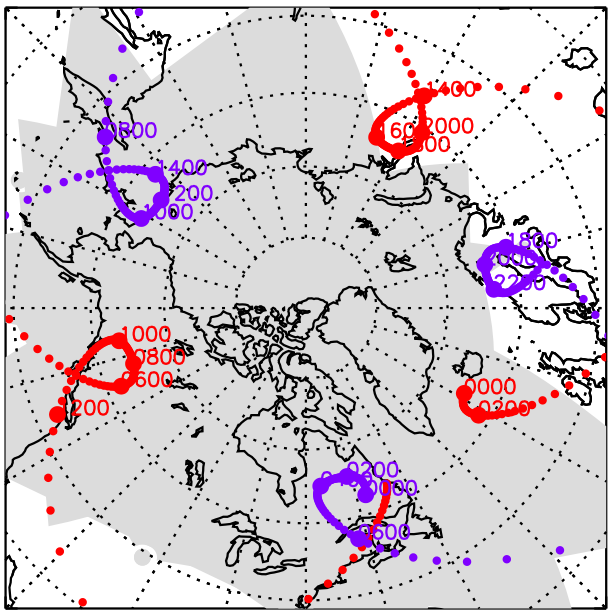
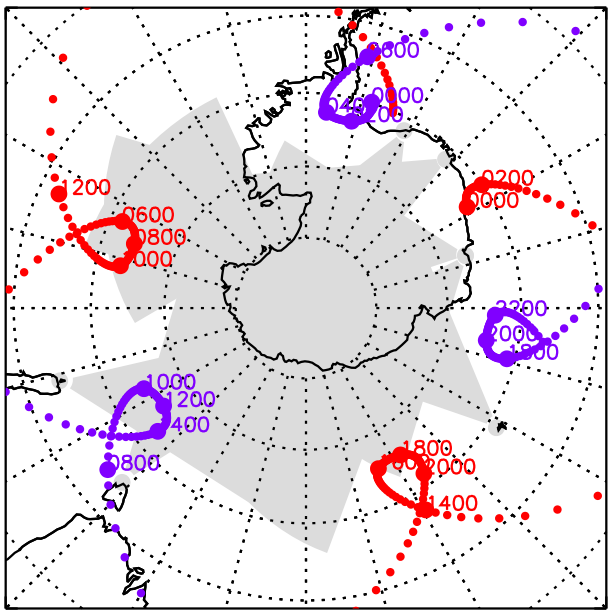
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

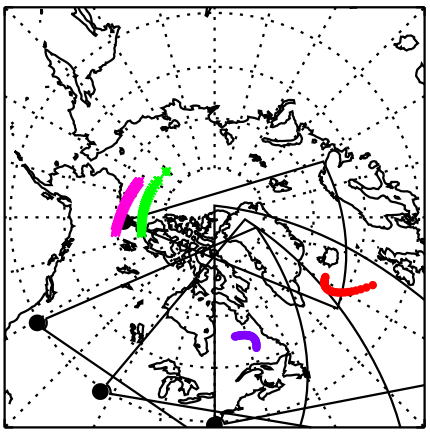
01−Mar−2015

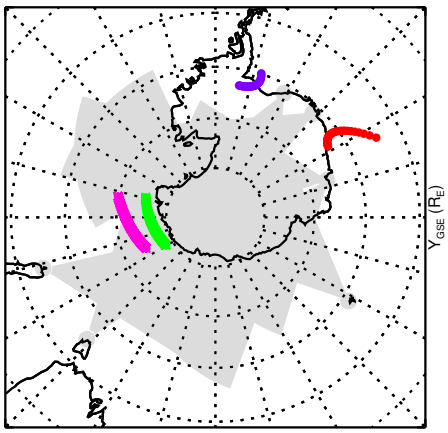
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

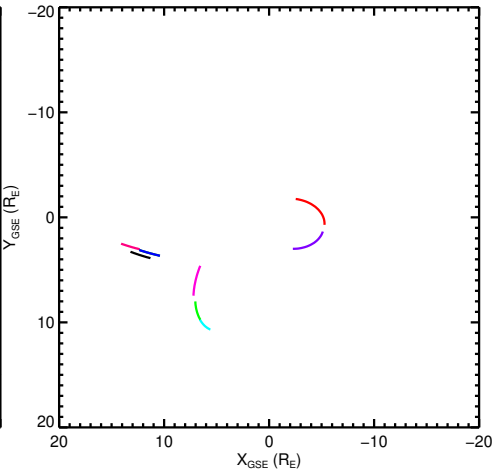




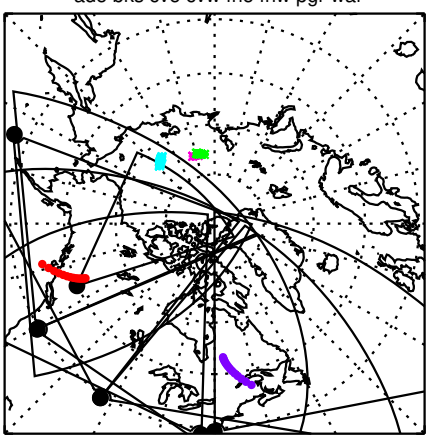
(a) 0000UT to 0250UT
cve fhe inv wal



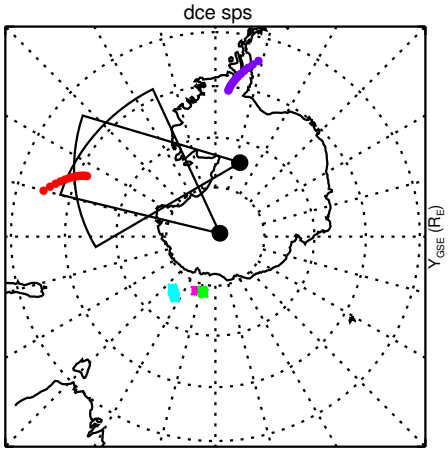


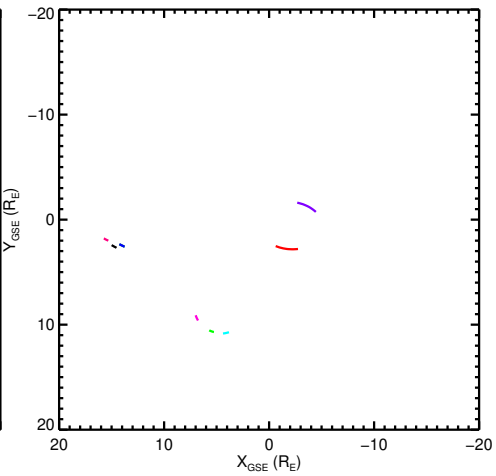


(b) 0455UT to 0600UT
ade bks cve cvw fhe fhw pgr wal



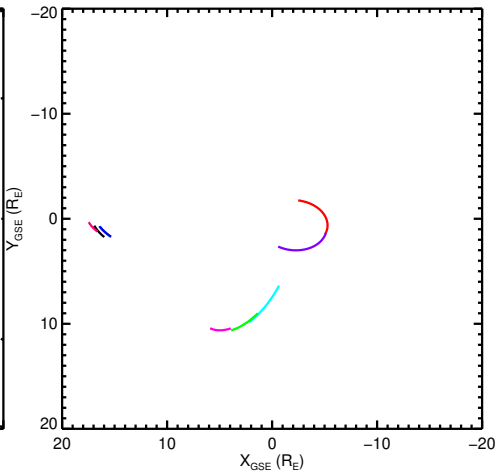
dce sps





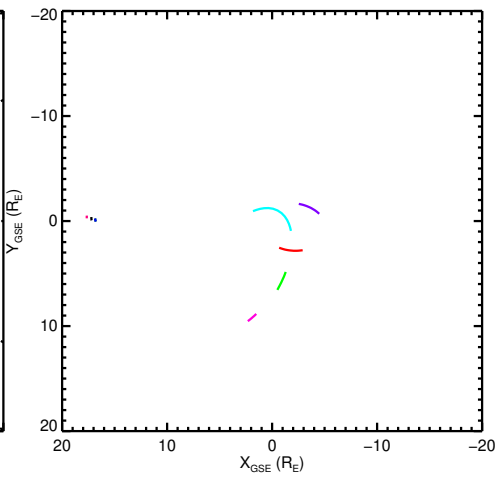
(c) 0810UT to 1150UT
ade adw bks cly cvw fhw hok ksr pgr

dce sps tig unw



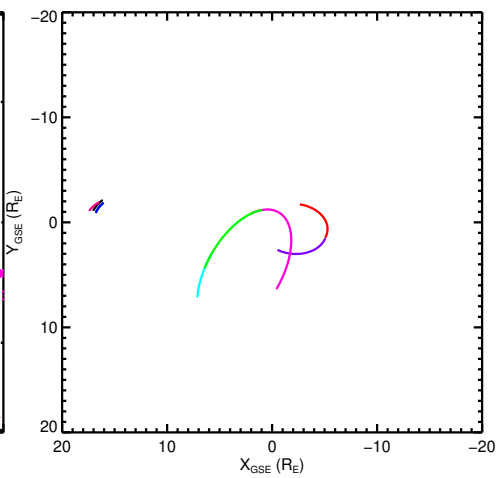
(d) 1355UT to 1505UT
adw cly cvw hok

tig unw

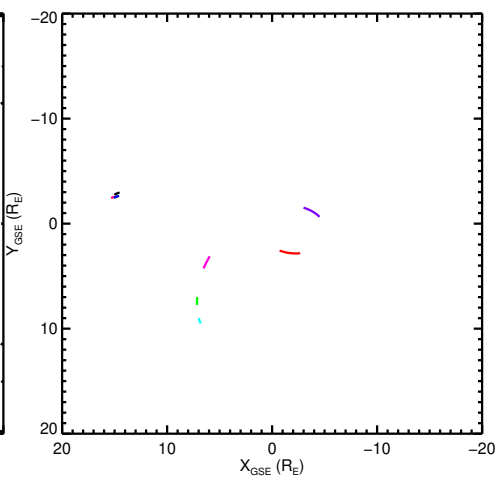


(e) 1710UT to 2045UT
han rkn

sye



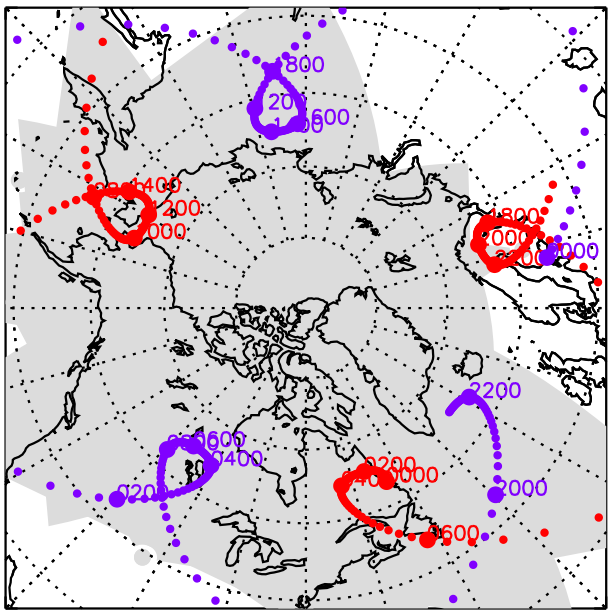
(f) 2255UT to 2355UT
cve fhe gbr wal

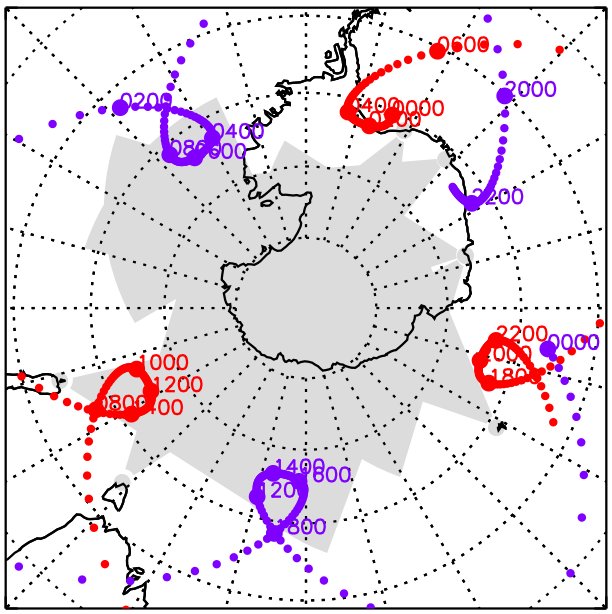


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

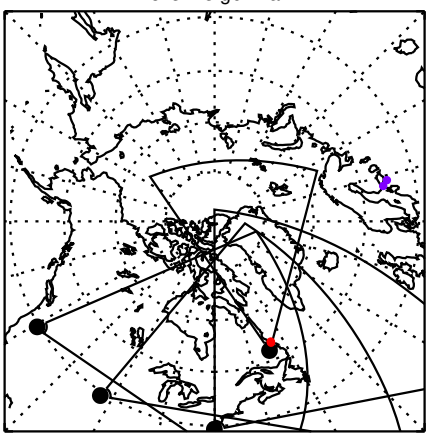
02–Mar–2015

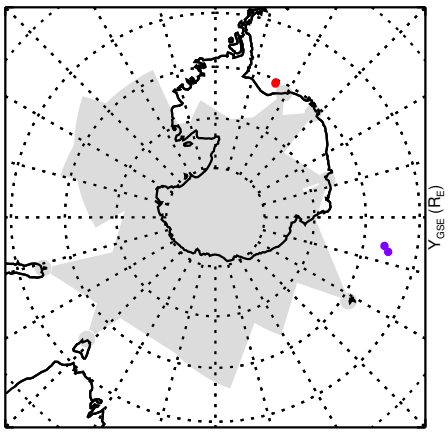
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

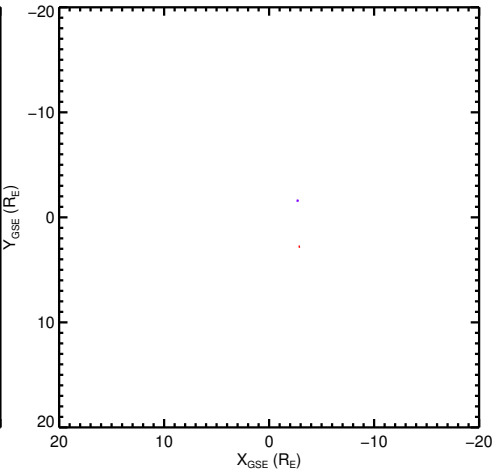




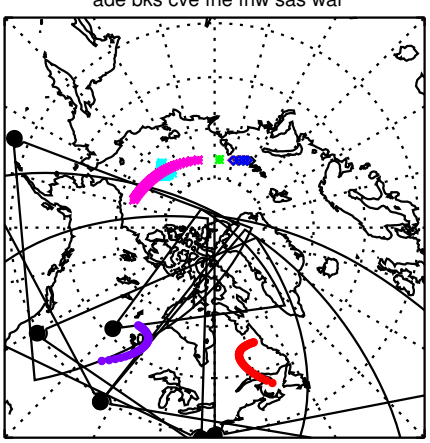
(a) 0000UT to 0005UT
cve fhe gbr wal



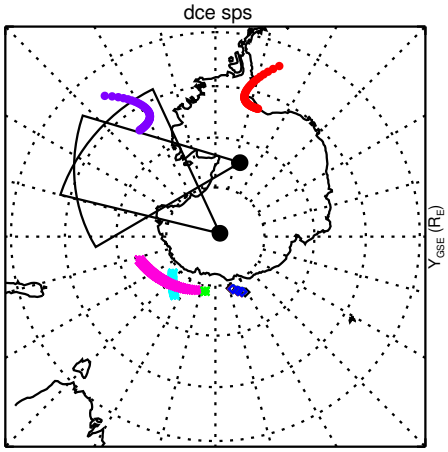


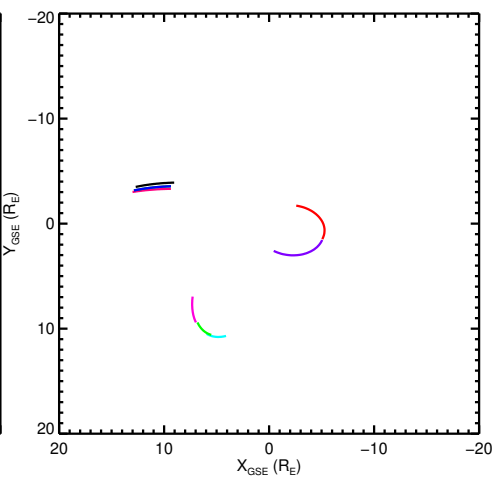


(b) 0210UT to 0545UT
ade bks cve fhe fhw sas wal



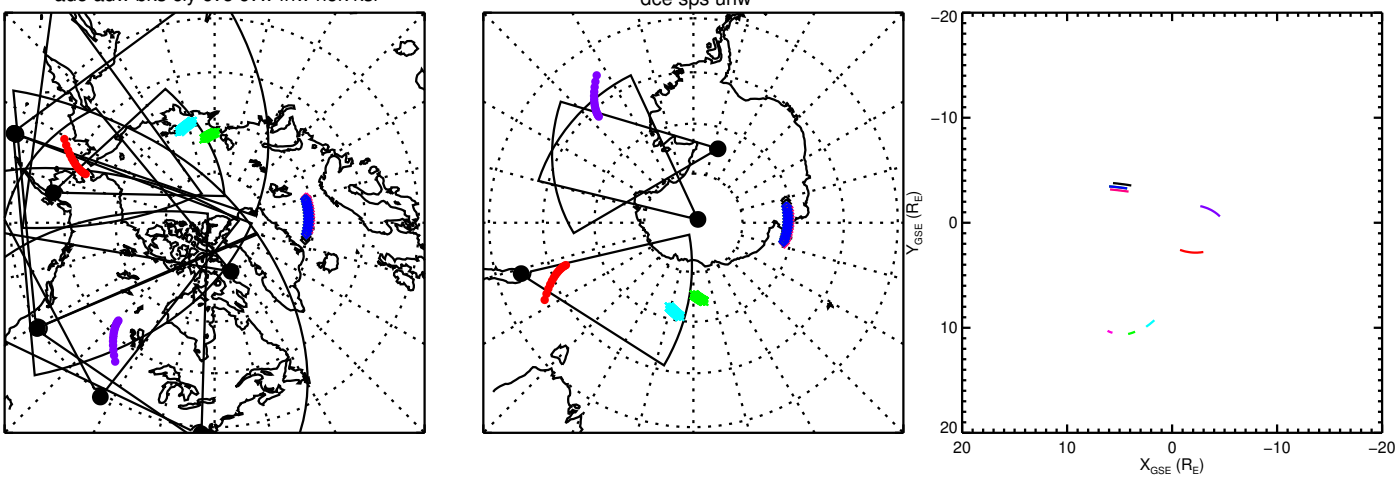
dce sps





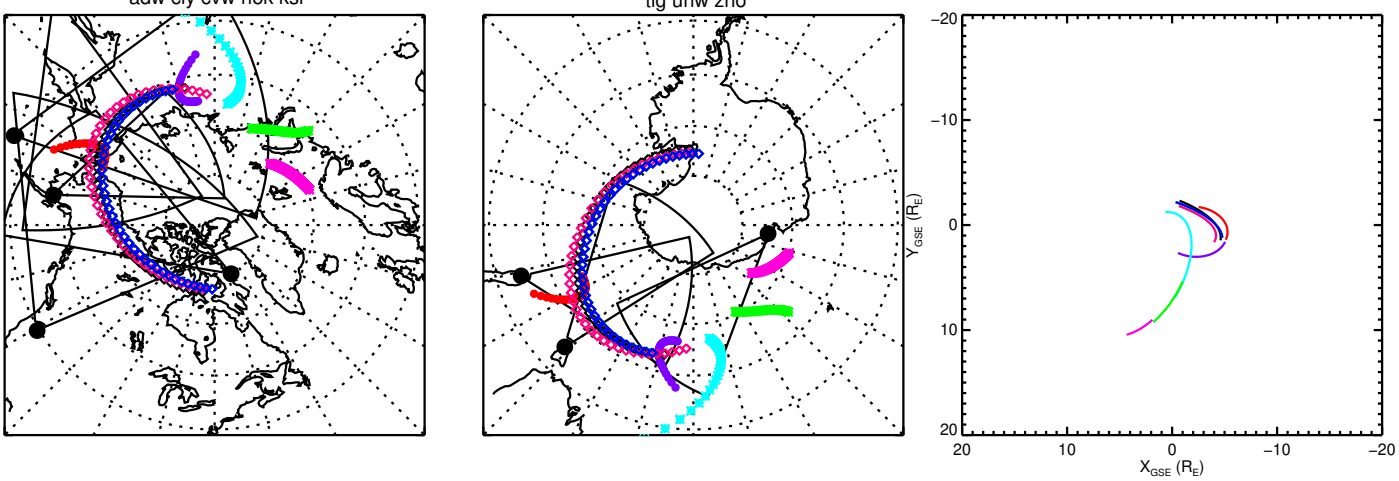
(c) 0755UT to 0905UT
ade adw bks cly cve cvw fhw hok ksr

dce sps unw



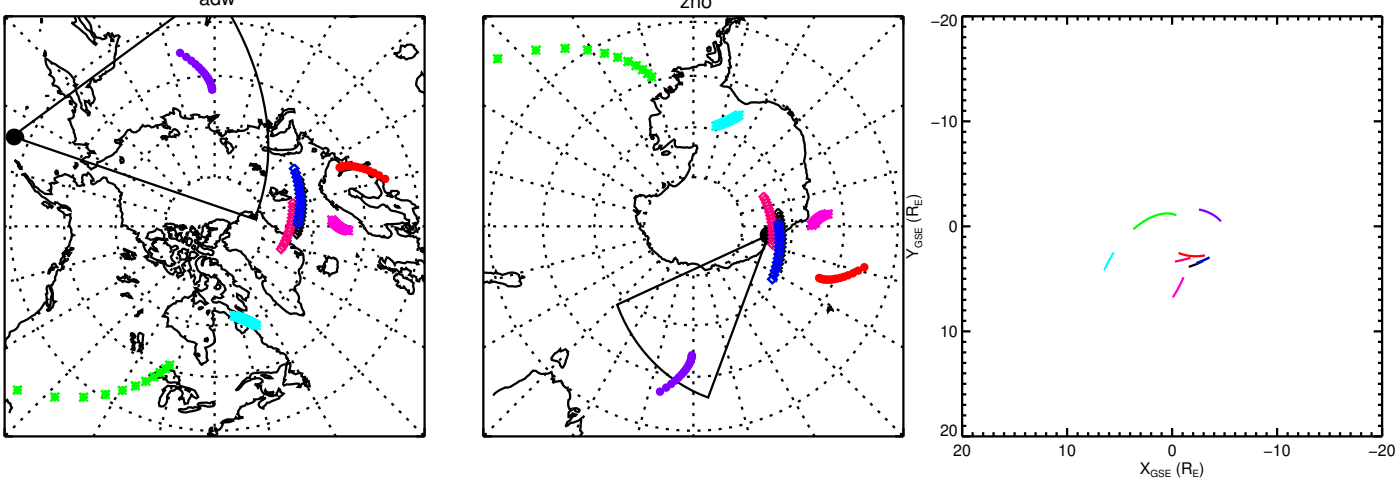
(d) 1115UT to 1445UT
adw cly cvw hok ksr

tig unw zho

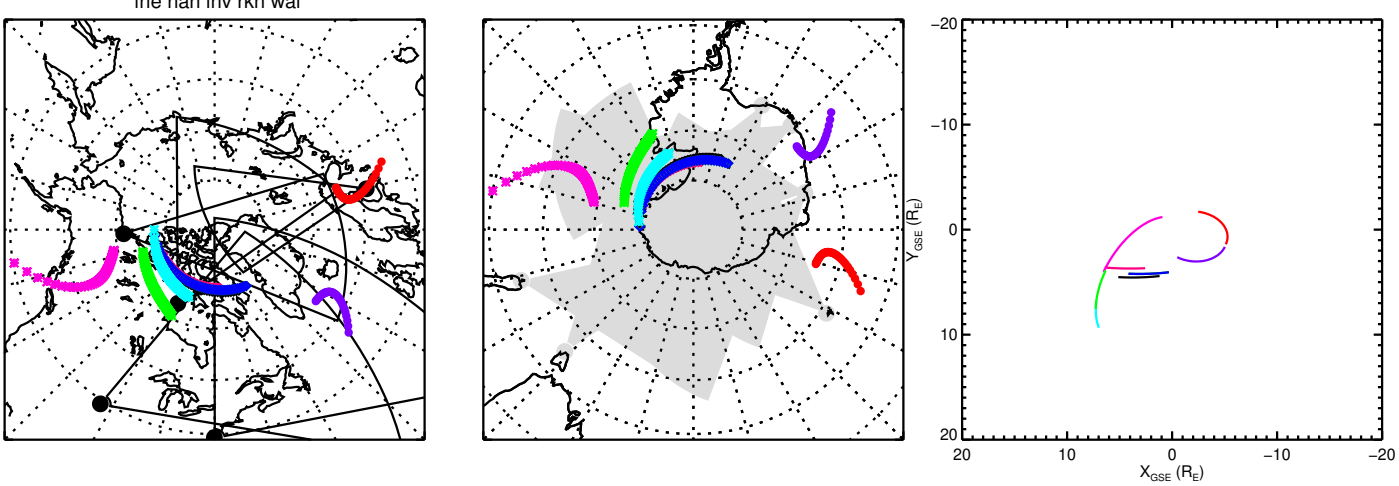


(e) 1650UT to 1810UT
adw

zho



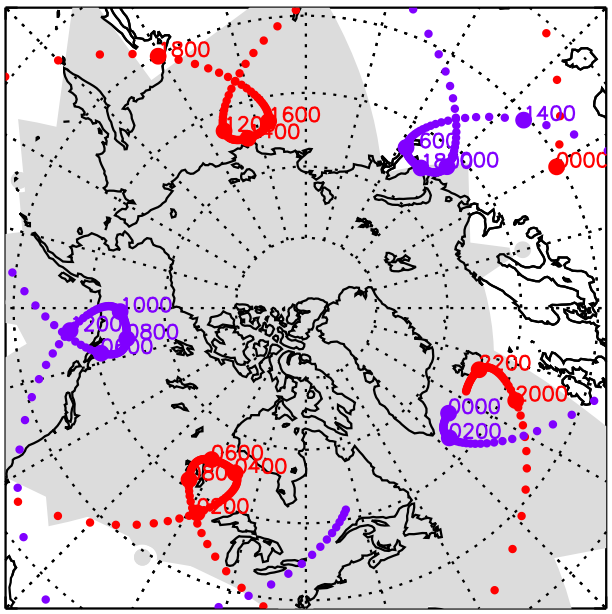
(f) 2015UT to 2345UT
fhe han inv rkn wal

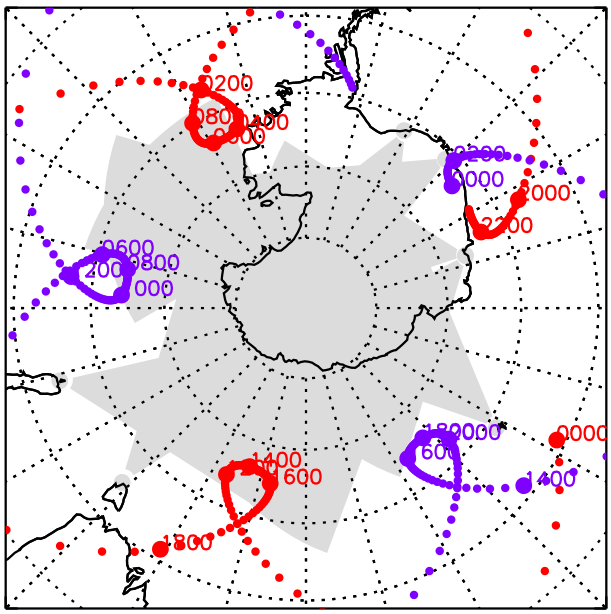


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

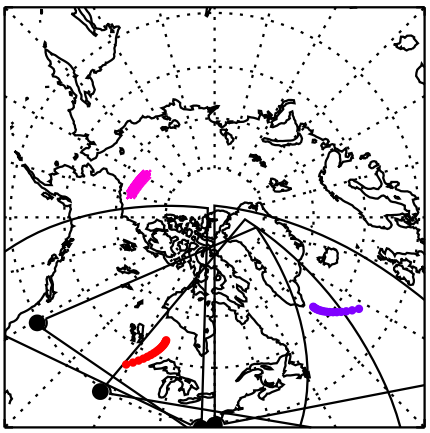
03–Mar–2015

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

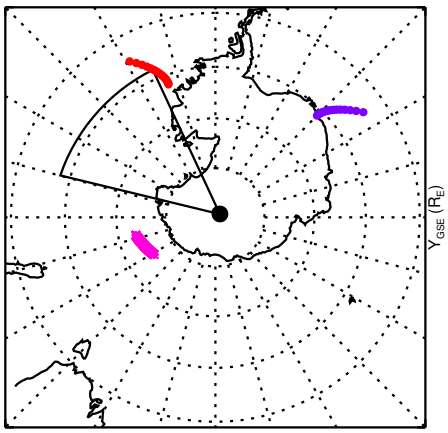


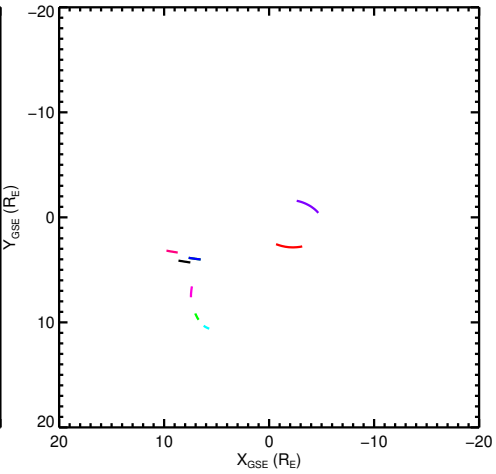


(a) 0150UT to 0310UT
bks cve fhe wal

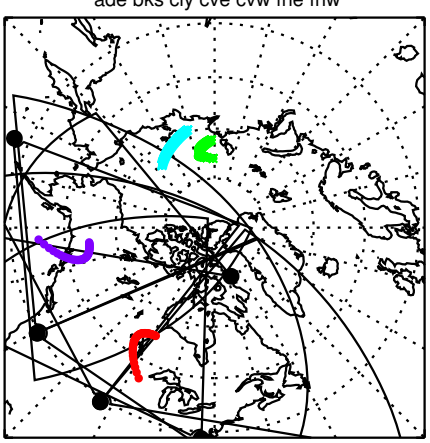


dce

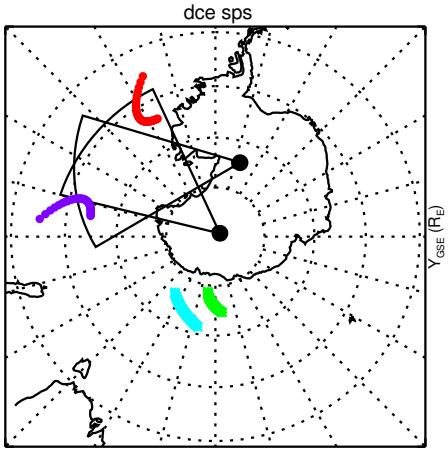


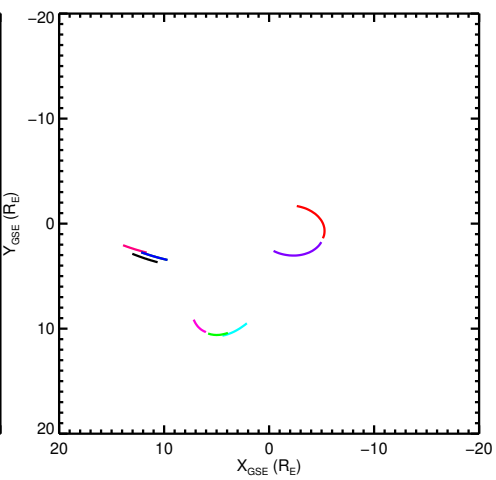


(b) 0515UT to 0840UT
ade bks cly cve cvw fhe fhw

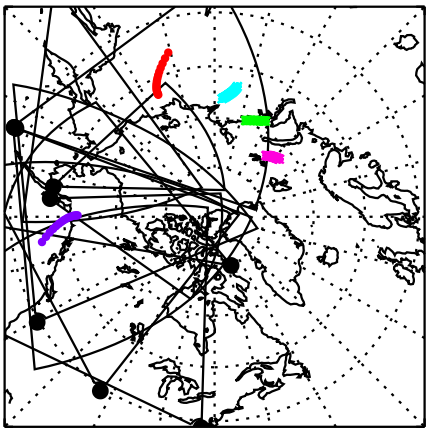


dce sps

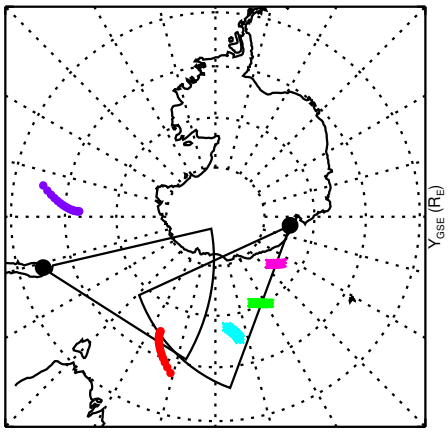


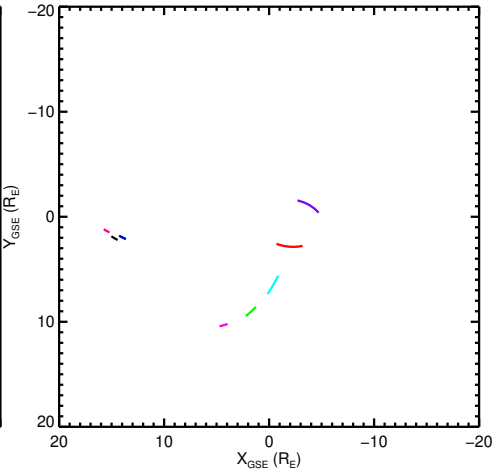


(c) 1050UT to 1210UT
ade adw bks cly cvw fhw hok kod ksr

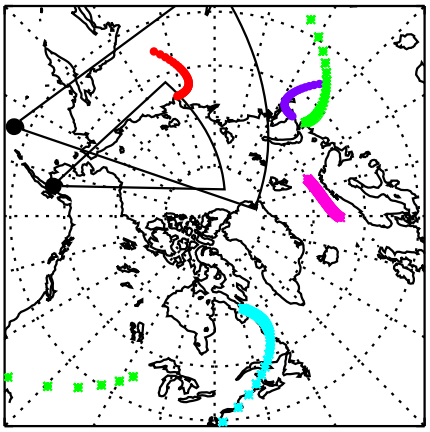


unw zho

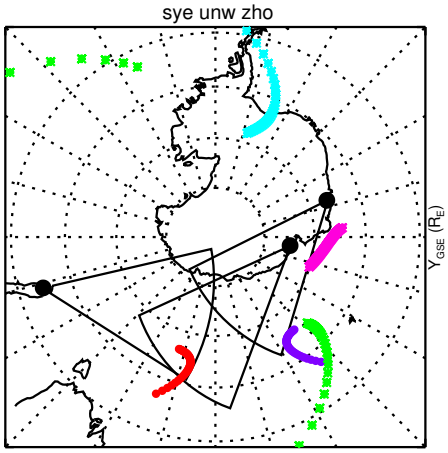


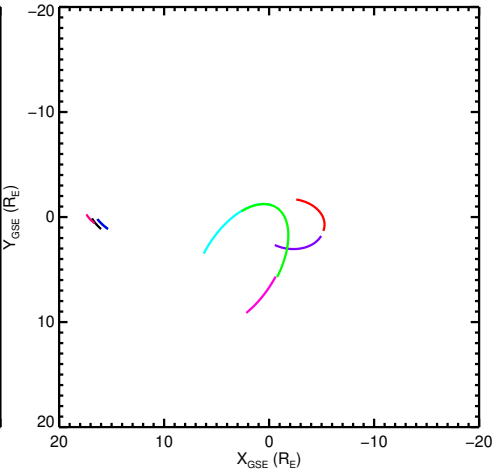


(d) 1420UT to 1740UT
adw ksr

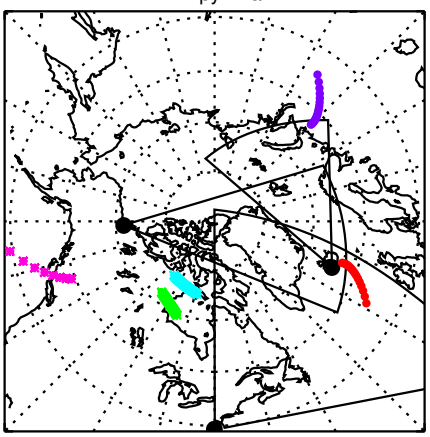


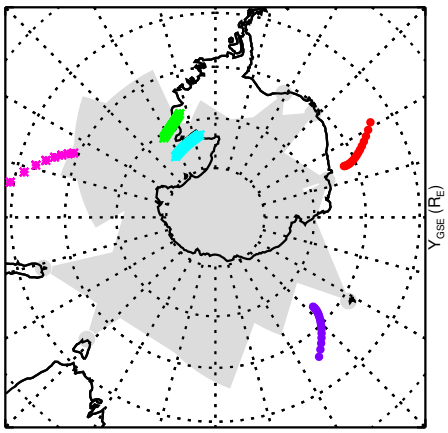
sye unw zho

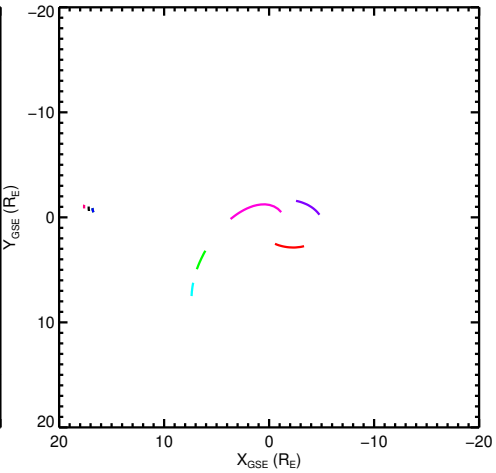




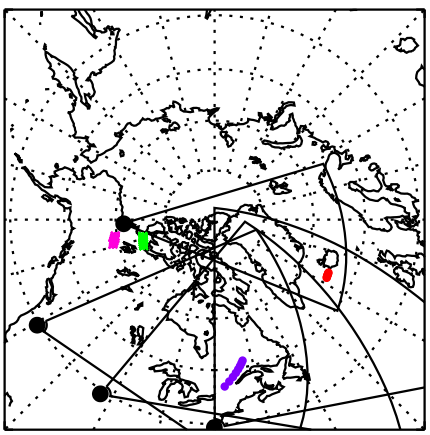
(e) 1945UT to 2115UT
inv pyk wal

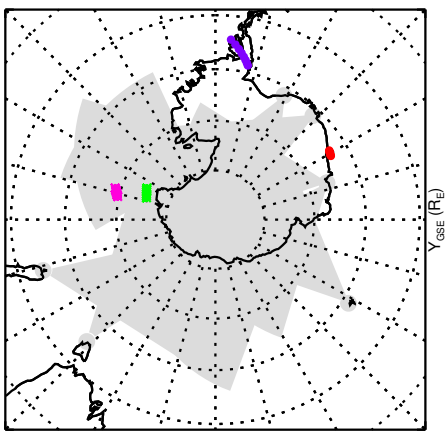


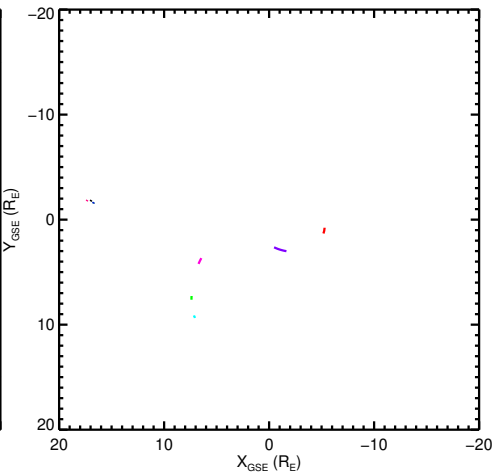




(f) 2320UT to 2355UT
cve fhe inv wal



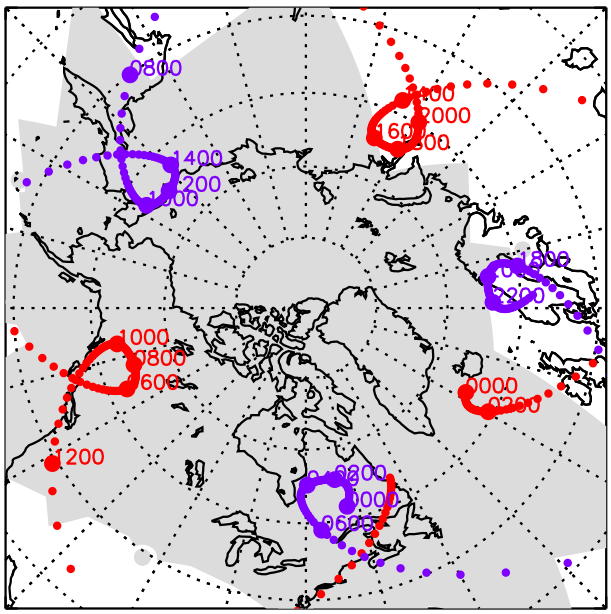


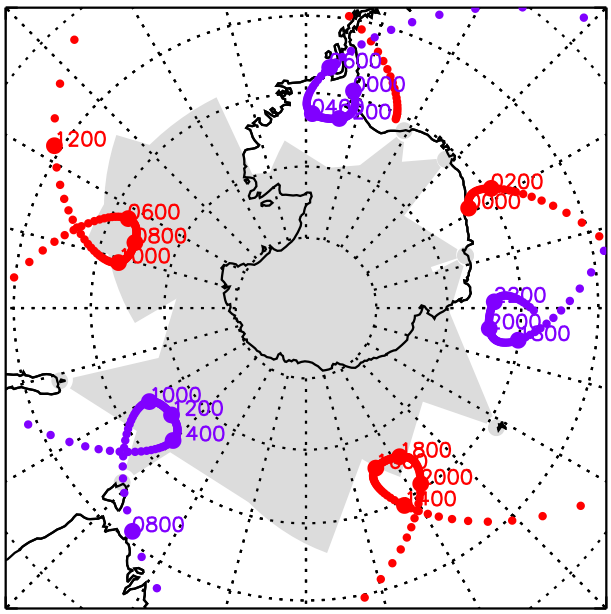


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

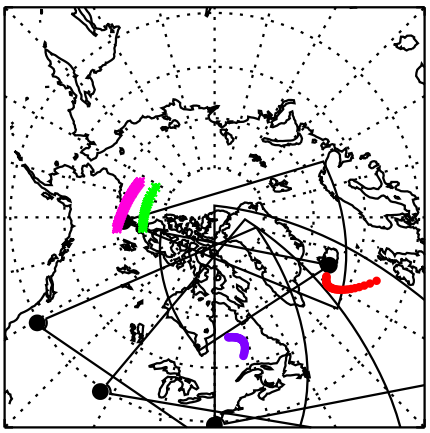
04–Mar–2015

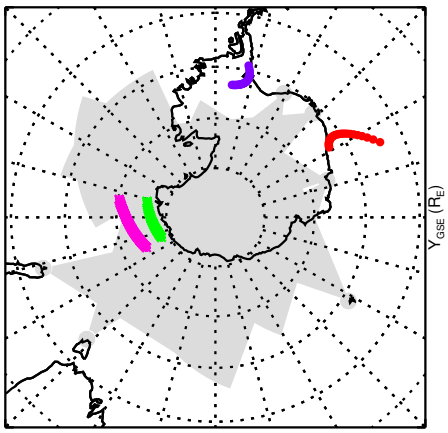
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

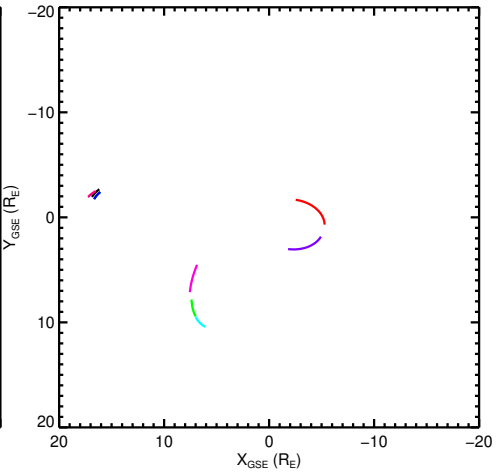




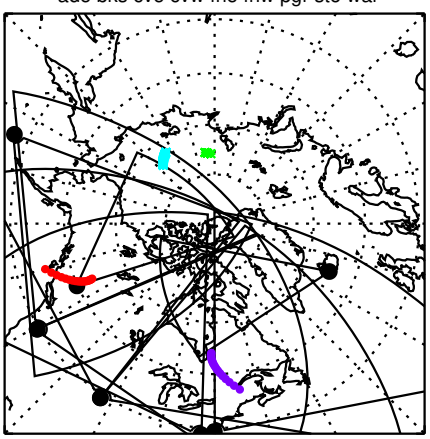
(a) 0000UT to 0240UT
cve fhe inv sto wal



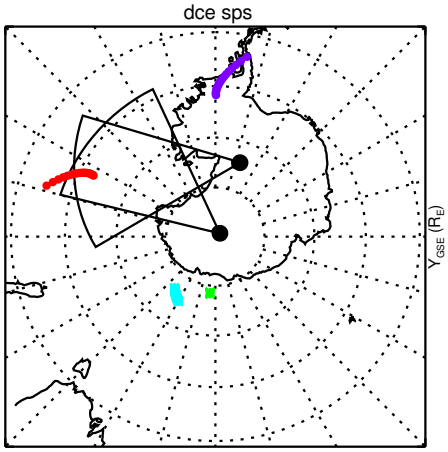


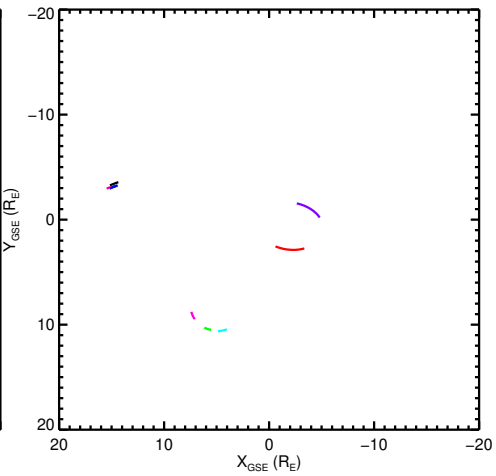


(b) 0445UT to 0615UT
ade bks cve cvw fhe fhw pgr sto wal



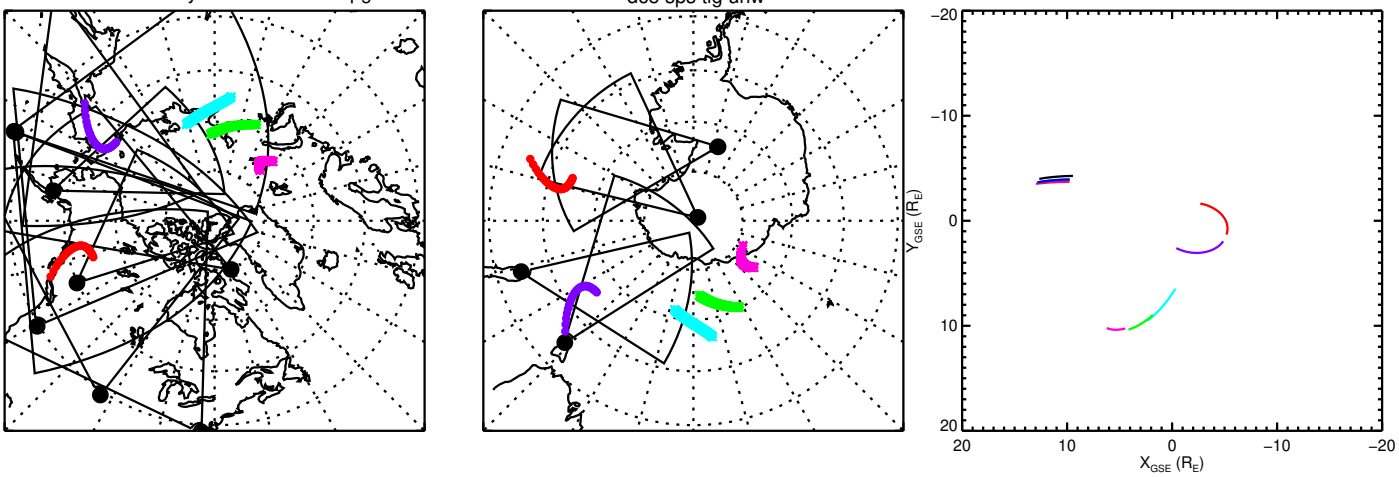
dce sps





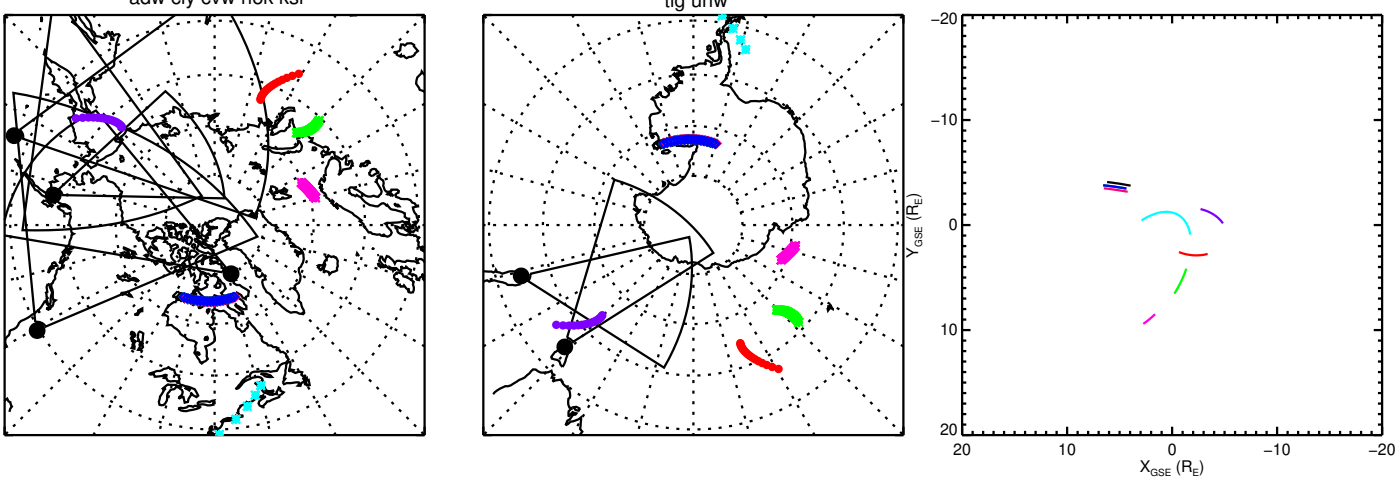
(c) 0820UT to 1135UT
ade adw bks cly cvw fhw hok ksr pgr

dce sps tig unw



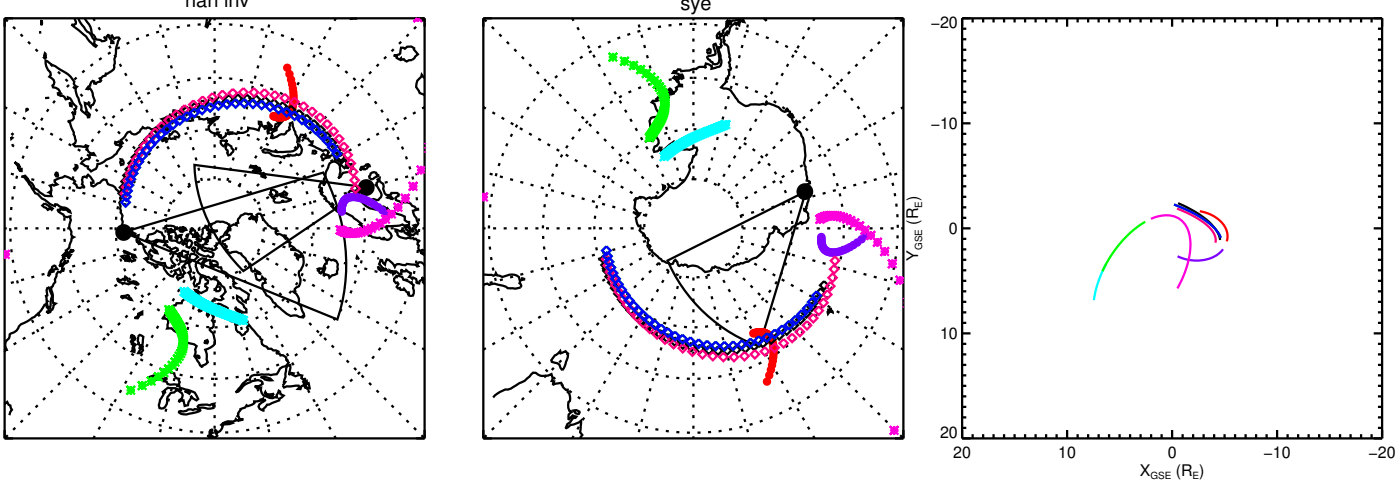
(d) 1345UT to 1515UT
adw cly cvw hok ksr

tig unw

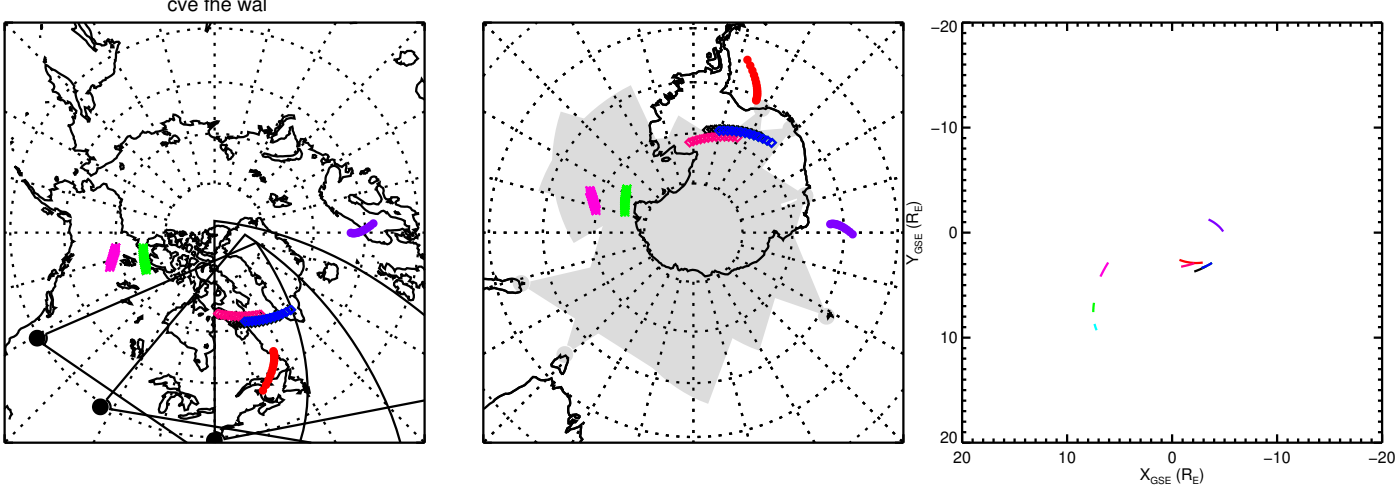


(e) 1725UT to 2035UT
han inv

sye



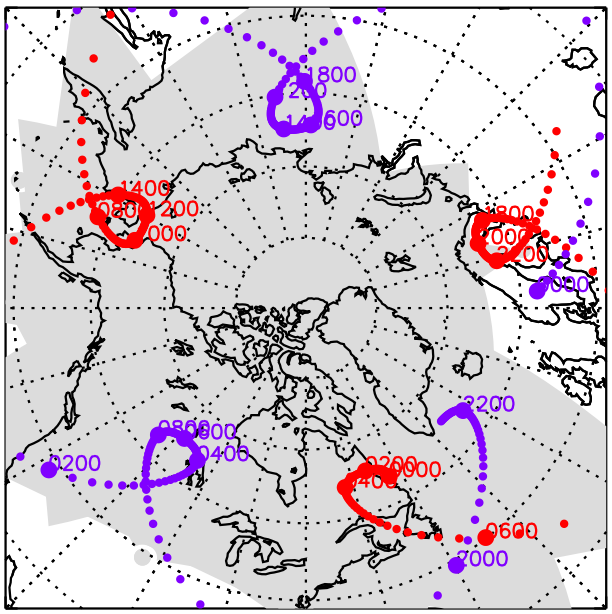
(f) 2245UT to 2355UT
cve fhe wal

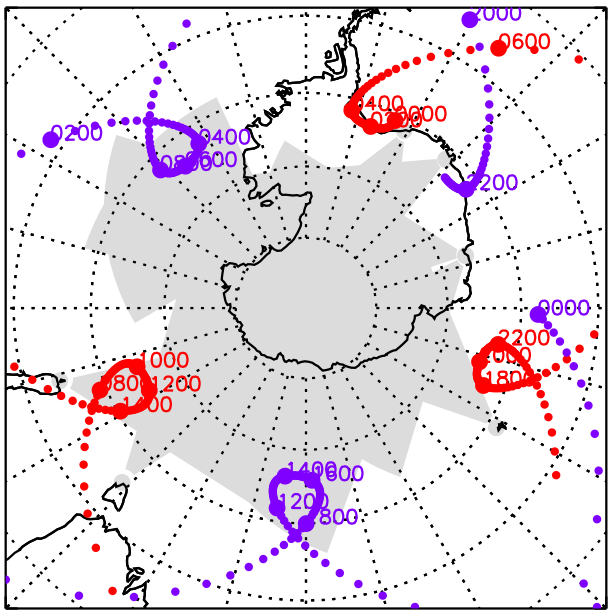


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

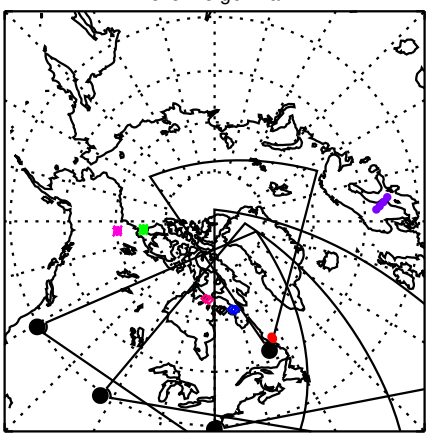
05–Mar–2015

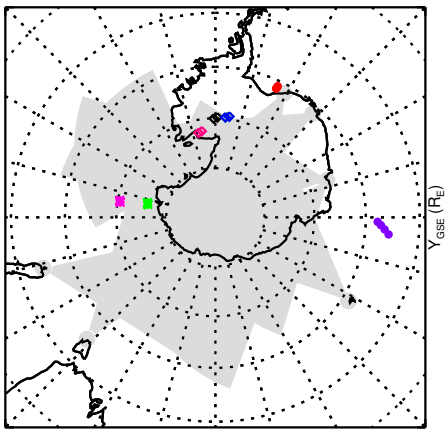
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

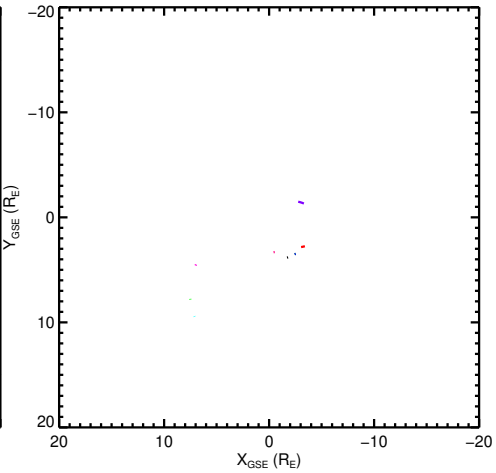




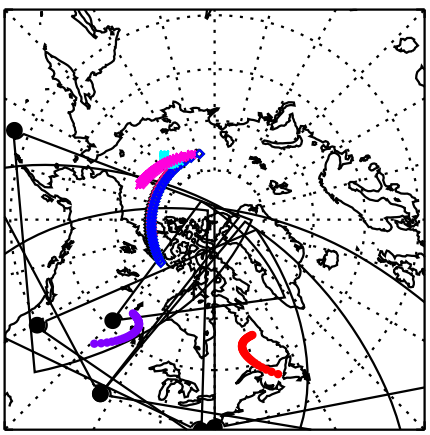
(a) 0000UT to 0015UT
cve fhe gbr wal



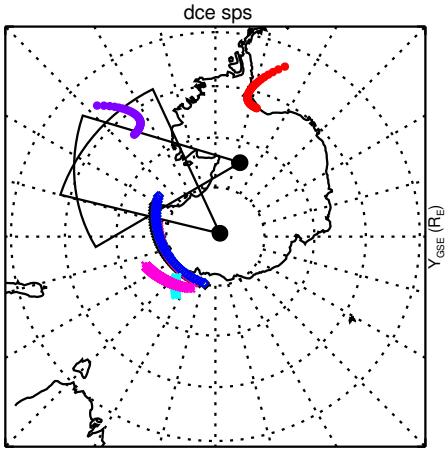


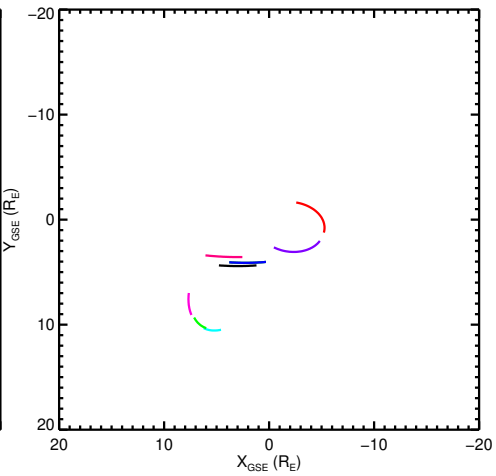


(b) 0225UT to 0535UT
ade bks cve fhe fhw sas wal



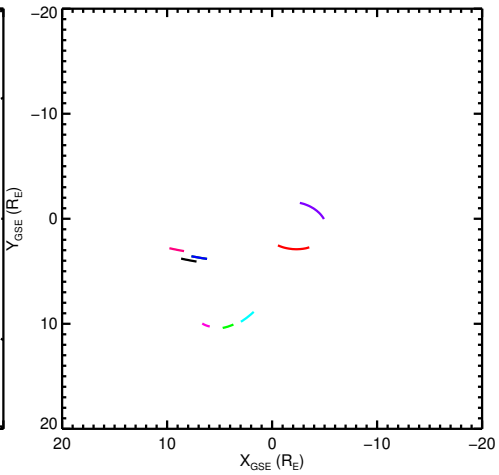
dce sps





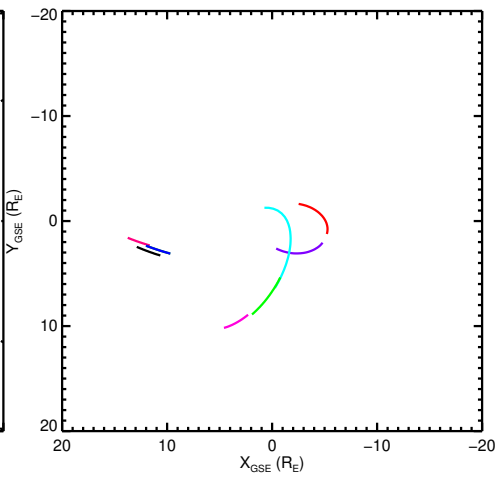
(c) 0740UT to 0920UT
ade adw bks cly cve cvw fhw hok ksr

dce sps unw



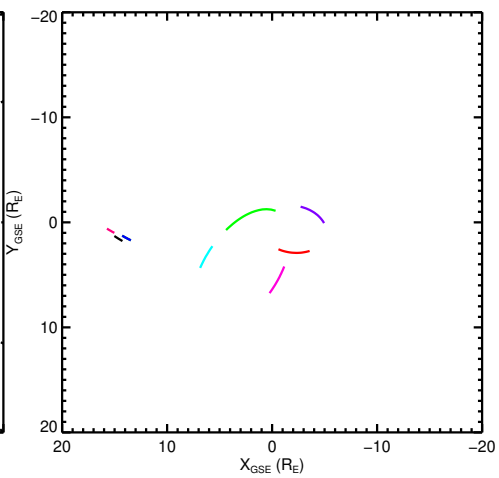
(d) 1125UT to 1435UT
ade adw cly cvw hok ksr

tig unw zho

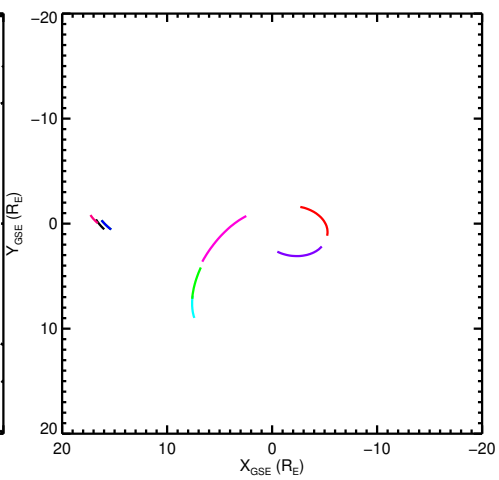


(e) 1640UT to 1820UT
adw

ker zho



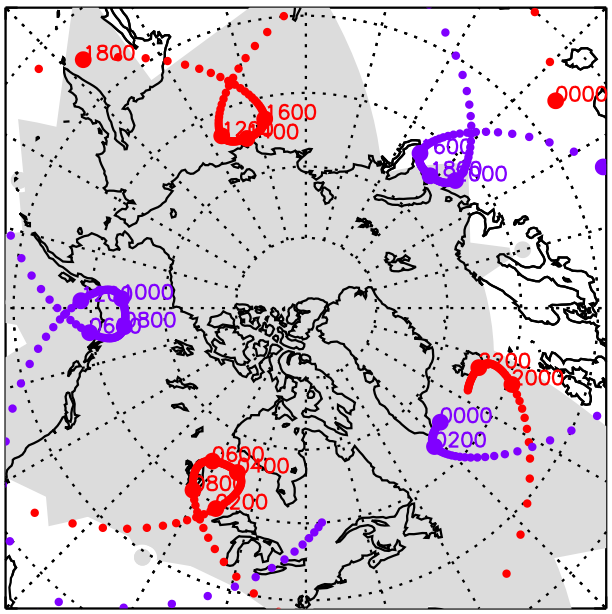
(f) 2030UT to 2330UT
fhe han inv rkn wal

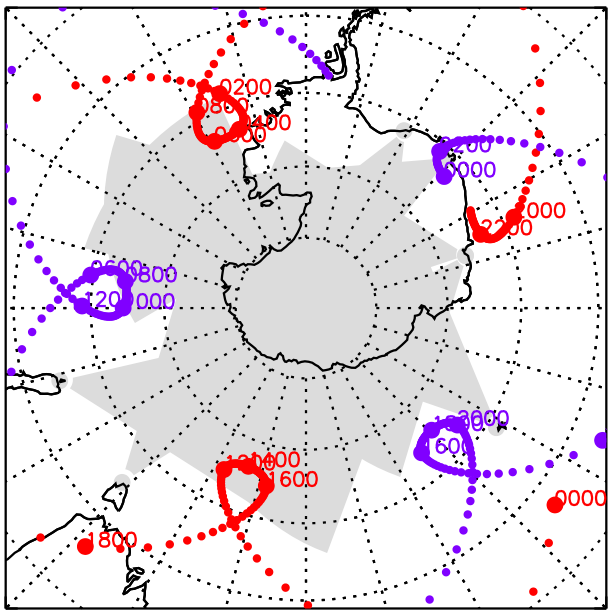


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

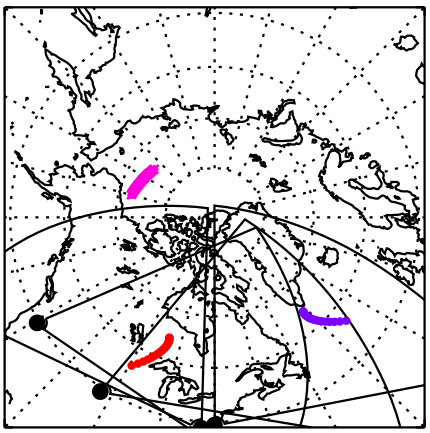
06–Mar–2015

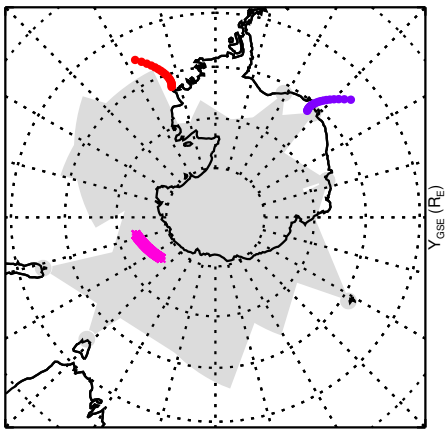
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

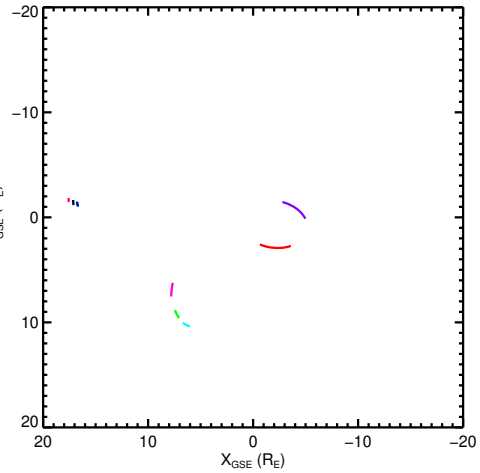




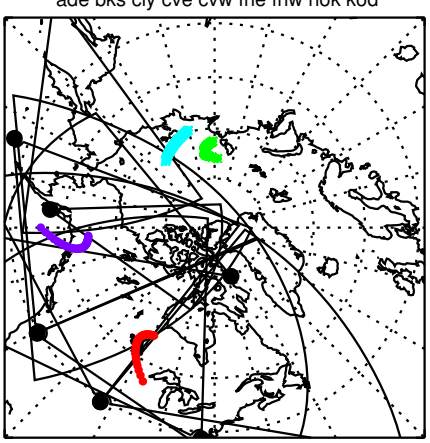
(a) 0140UT to 0320UT
bks cve fhe wal



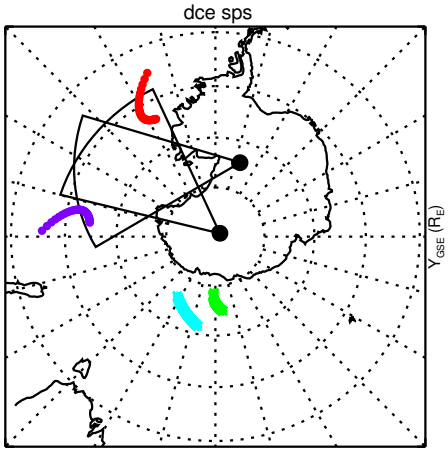


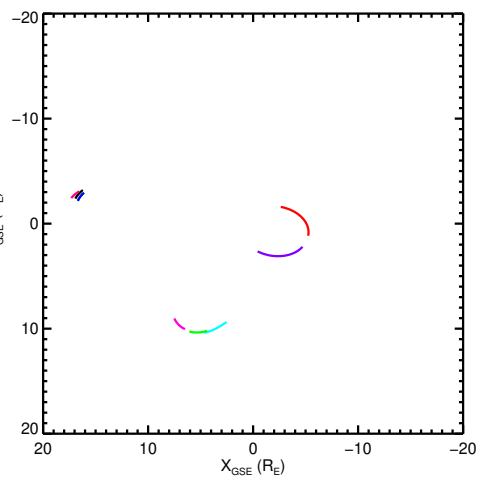


(b) 0530UT to 0830UT
ade bks cly cve cvw fhe fhw hok kod

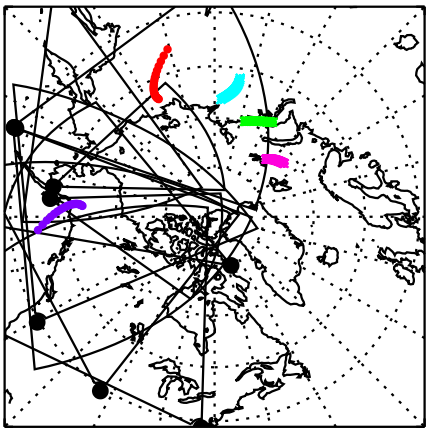


dce sps

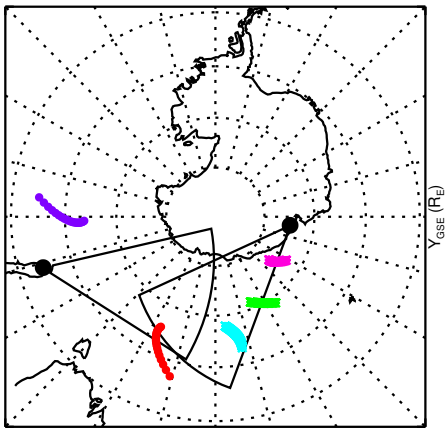


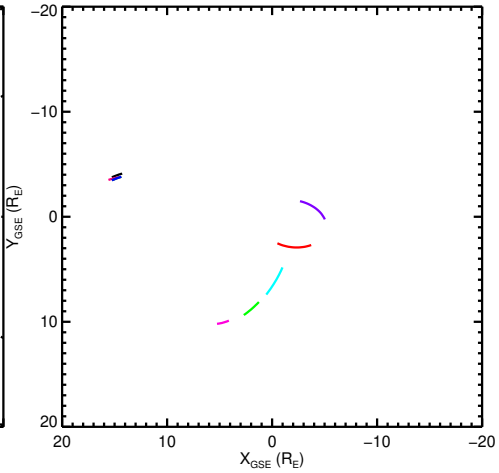


(c) 1035UT to 1225UT
ade adw bks cly cvw fhw hok kod ksr

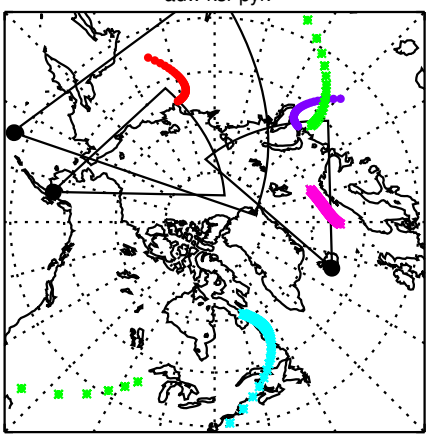


unw zho

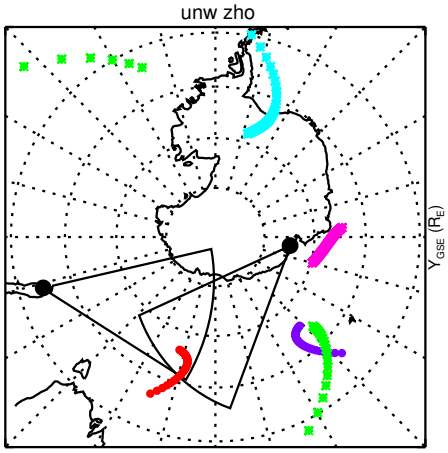


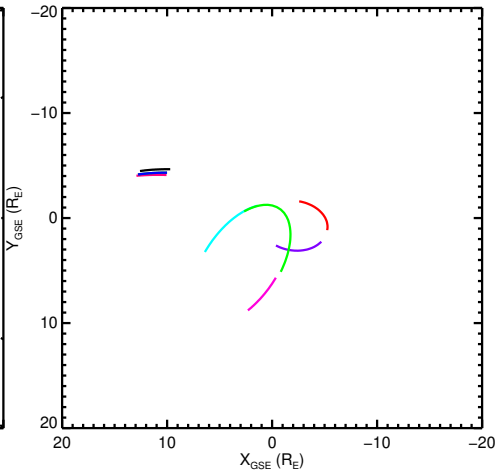


(d) 1430UT to 1730UT
adw ksr pyk

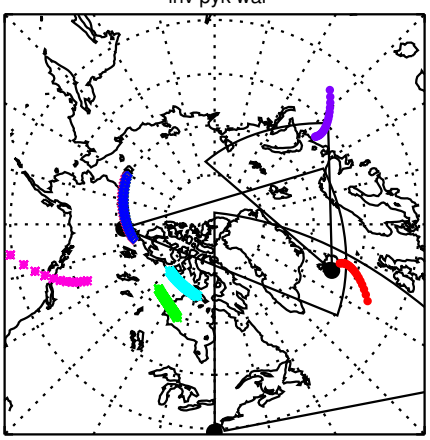


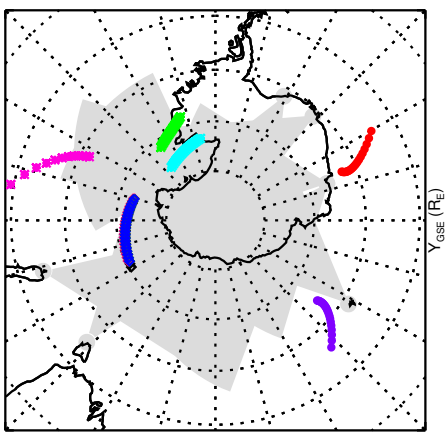
unw zho

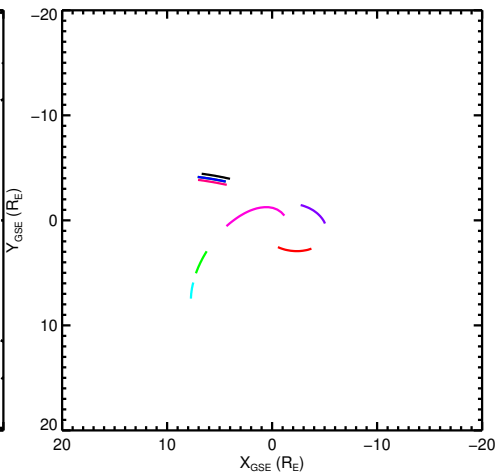




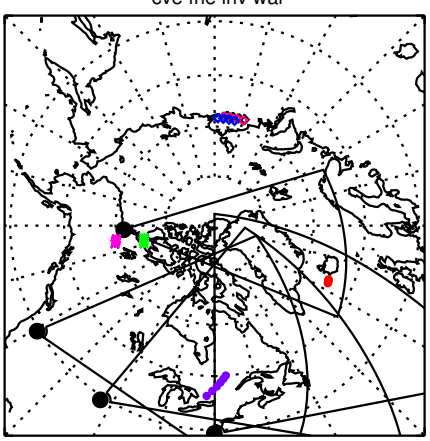
(e) 1935UT to 2125UT
inv pyk wal

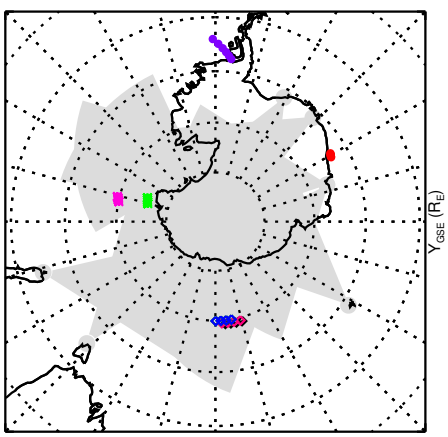


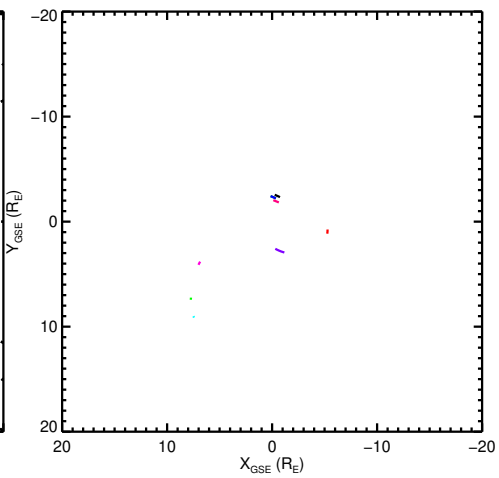




(f) 2330UT to 2355UT
cve fhe inv wal



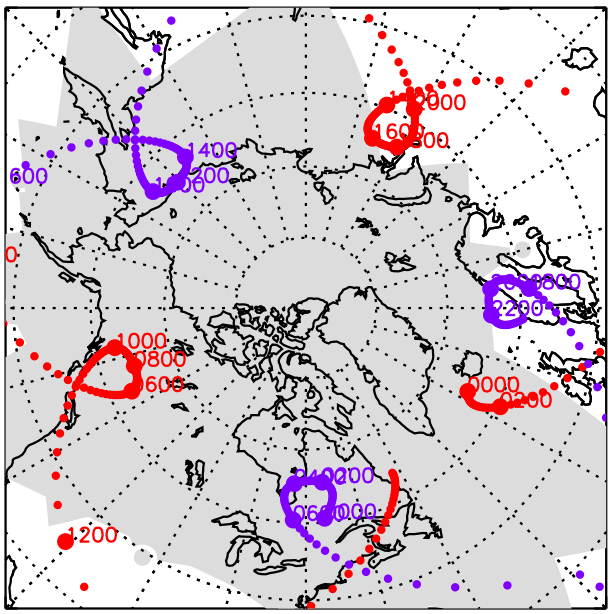


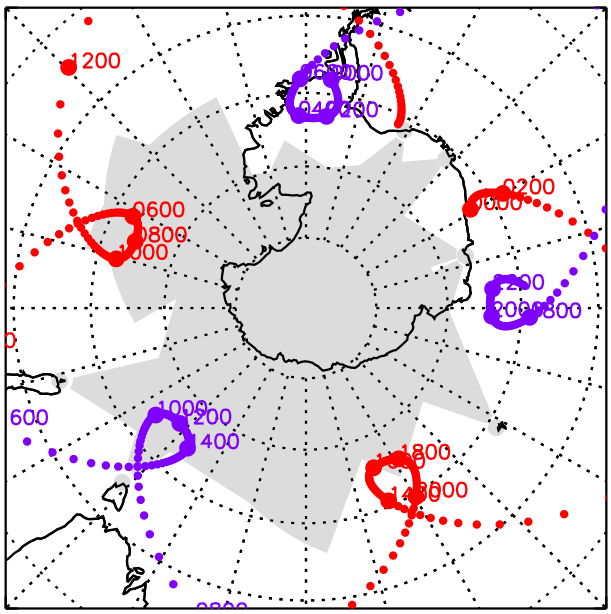


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

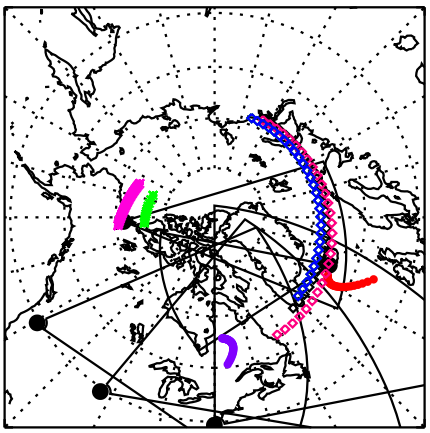
07–Mar–2015

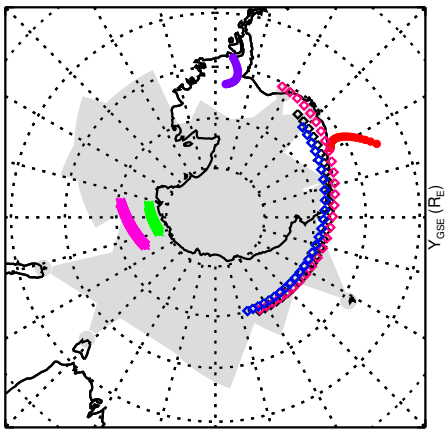
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

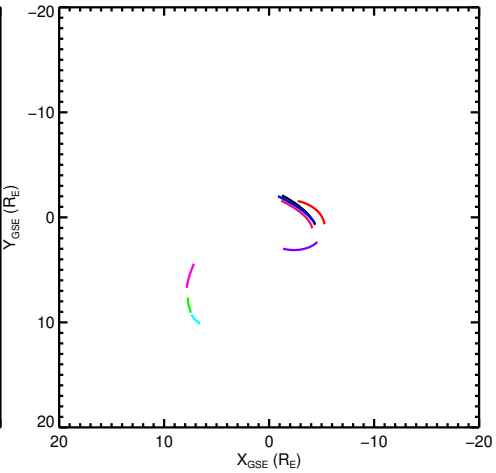




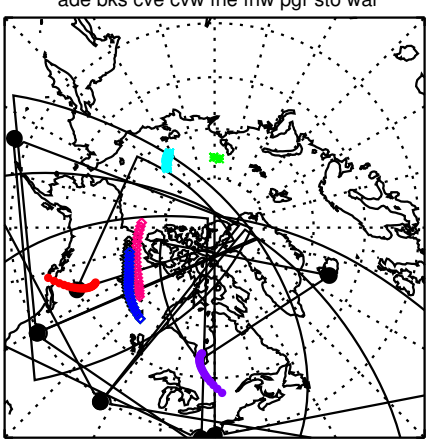
(a) 0000UT to 0225UT
cve fhe inv sto wal



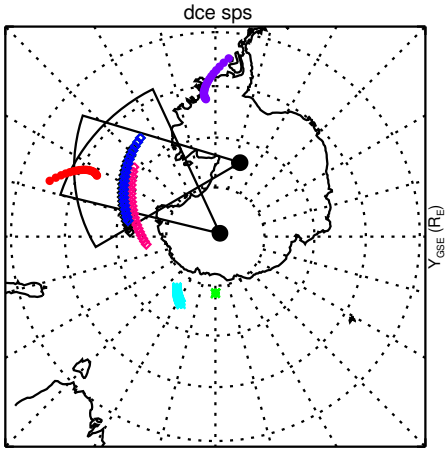


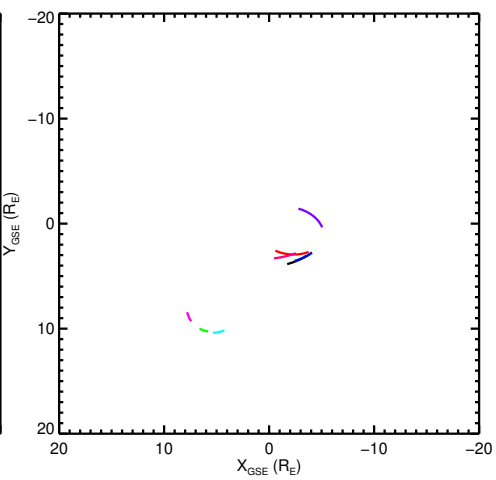


(b) 0435UT to 0625UT
ade bks cve cvw fhe fhw pgr sto wal



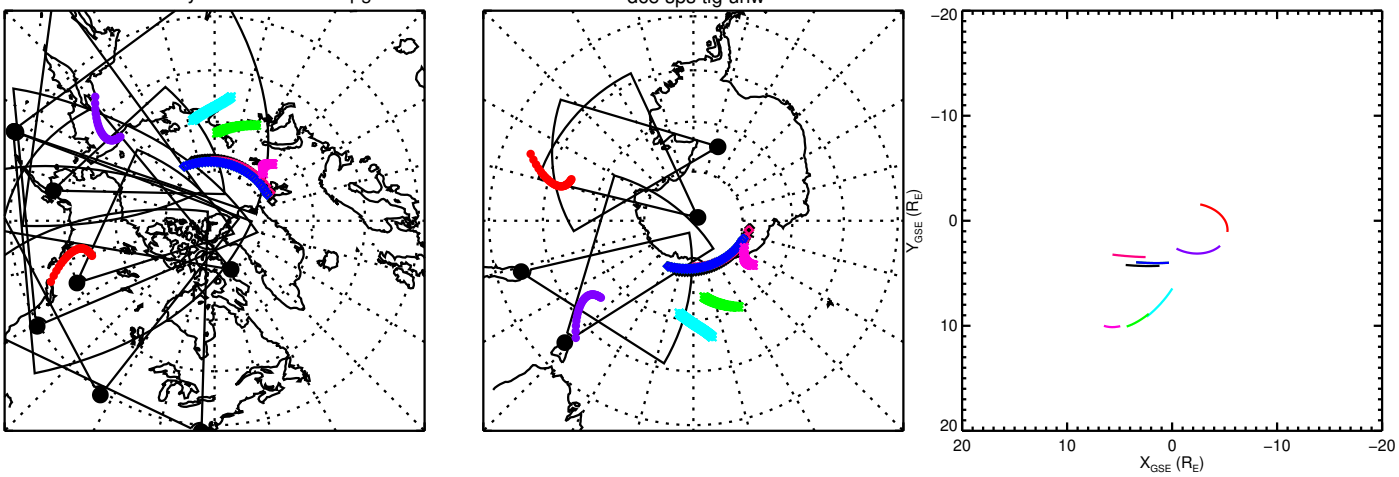
dce sps





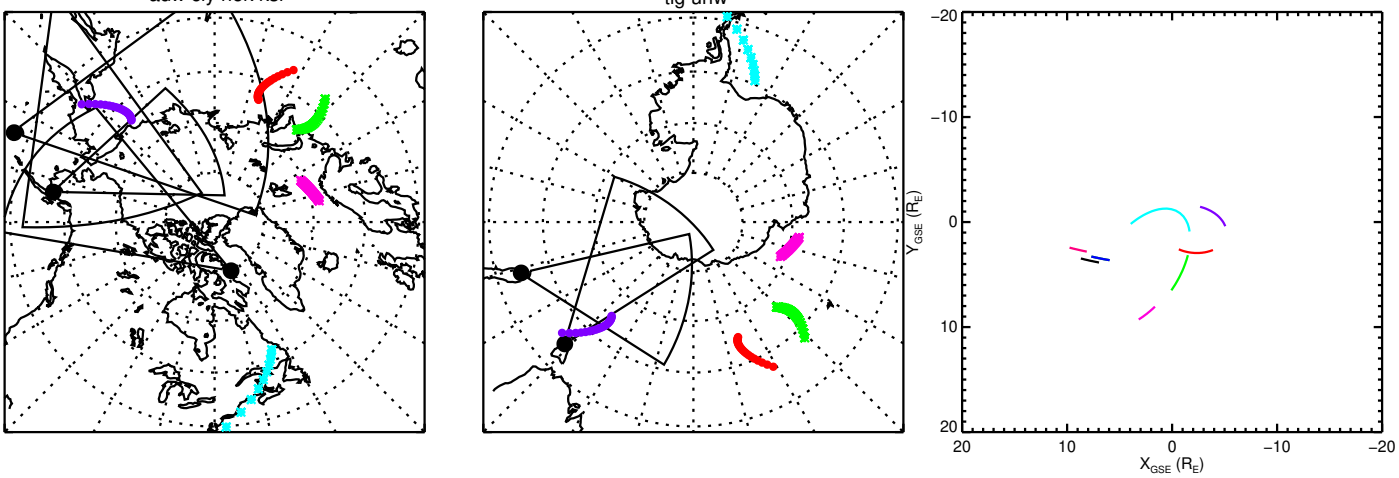
(c) 0835UT to 1125UT
ade adw bks cly cvw fhw hok ksr pgr

dce sps tig unw



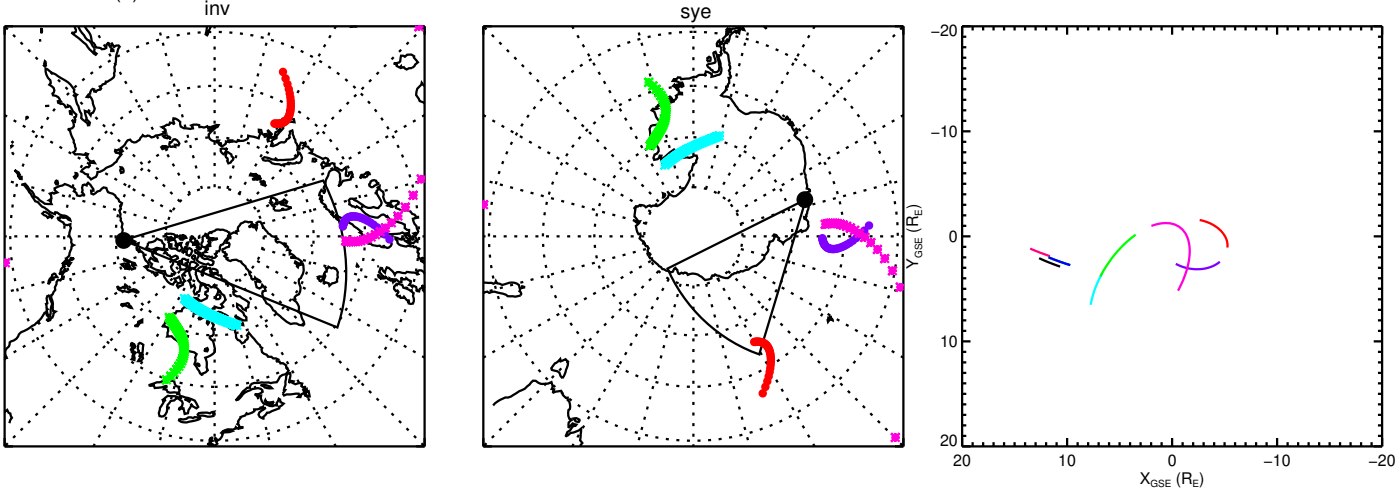
(d) 1335UT to 1530UT
adw cly hok ksr

tig unw

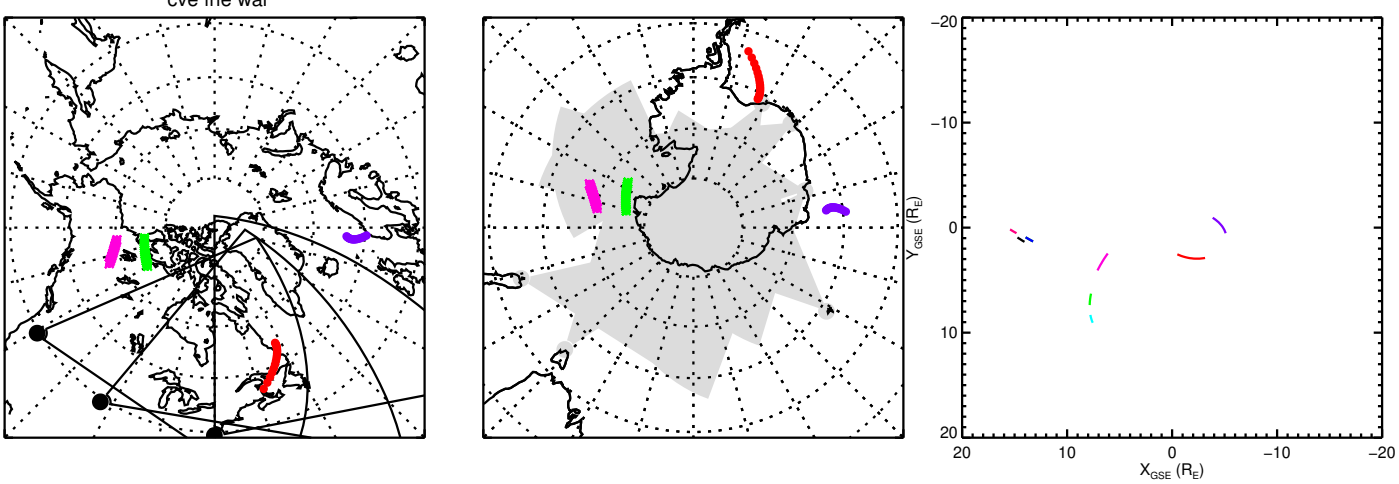


(e) 1735UT to 2025UT
inv

sye



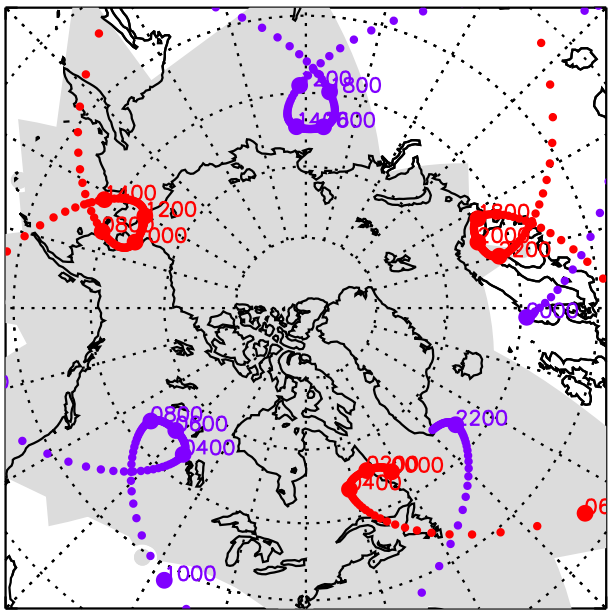
(f) 2230UT to 2355UT
cve fhe wal

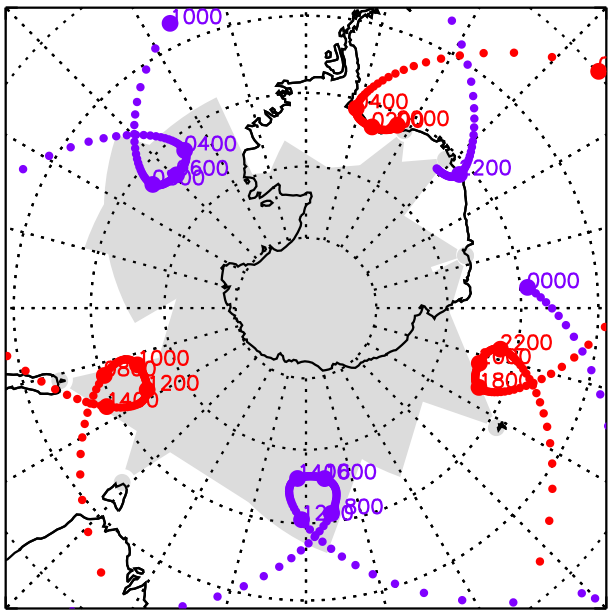


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

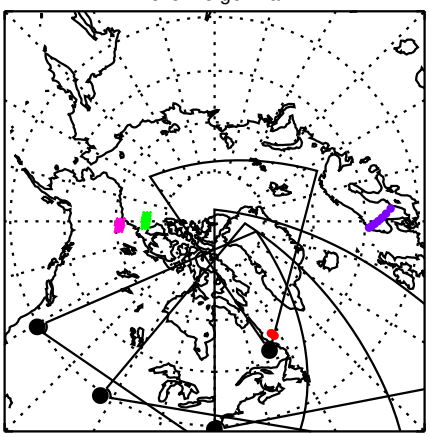
08–Mar–2015

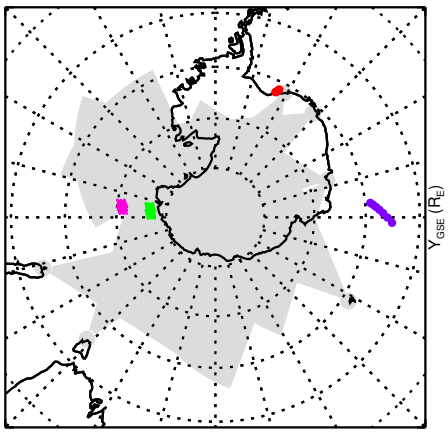
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

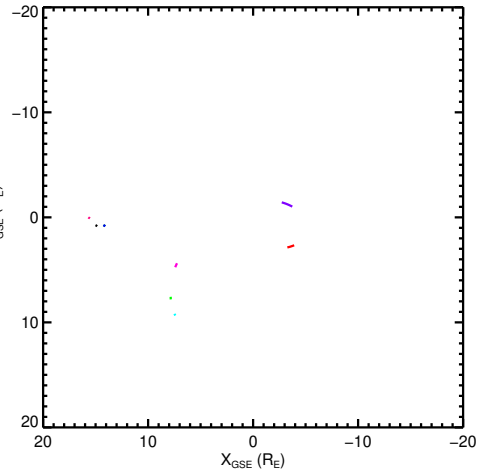




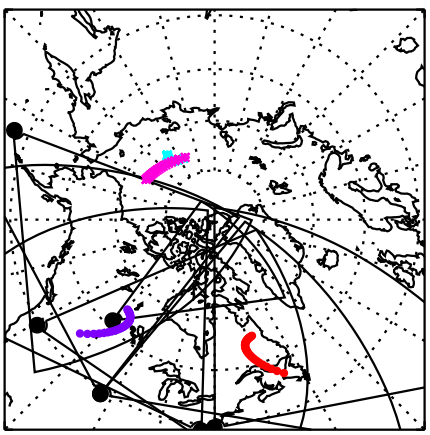
(a) 0000UT to 0030UT
cve fhe gbr wal



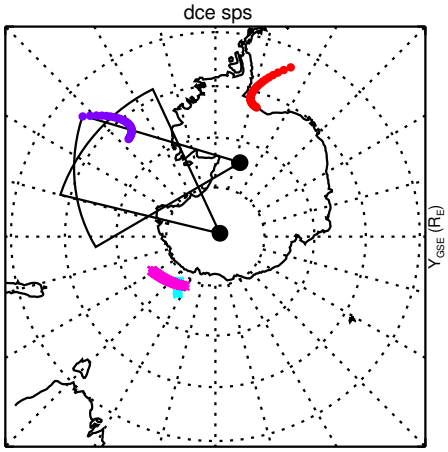


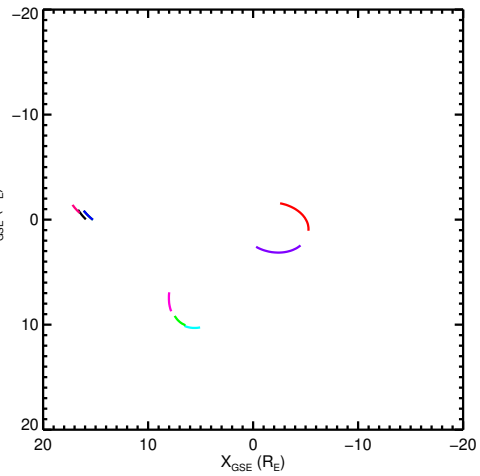


(b) 0235UT to 0525UT
ade bks cve fhe fhw sas wal

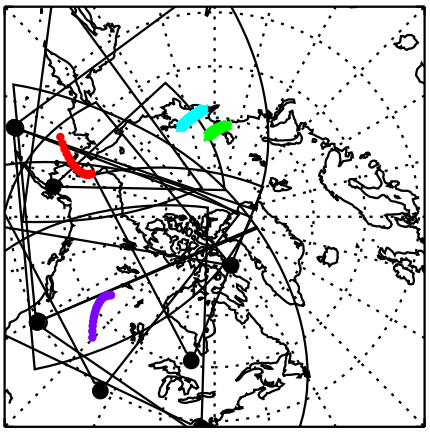


dce sps

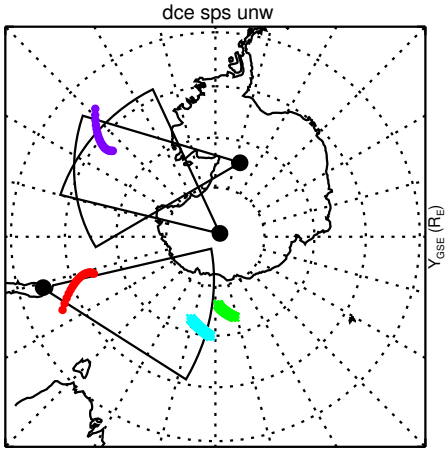


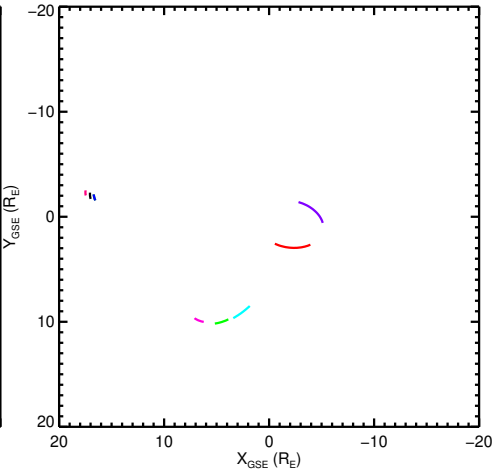


(c) 0730UT to 0930UT
ade adw bks cly cve cvw fhw hok kap ksr

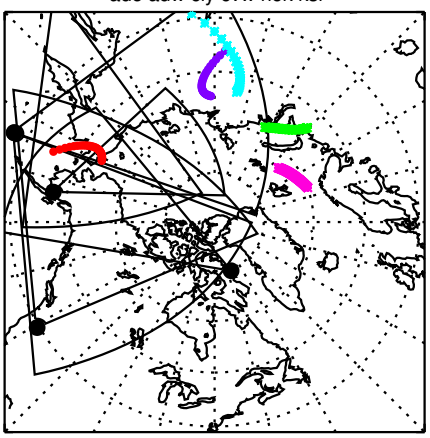


dce sps unw

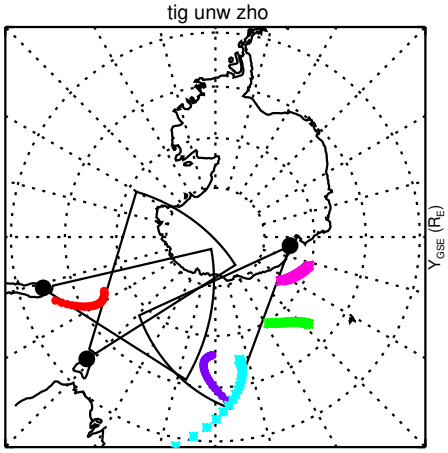


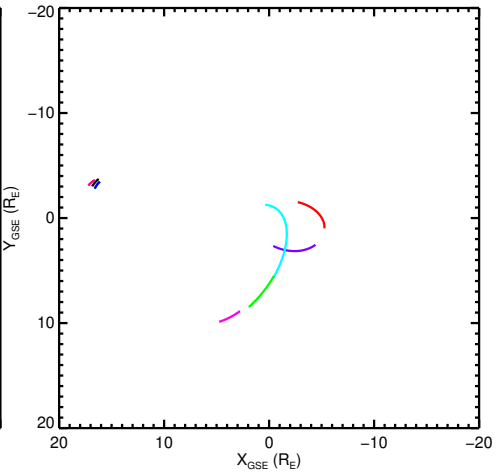


(d) 1140UT to 1420UT
ade adw cly cvw hok ksr

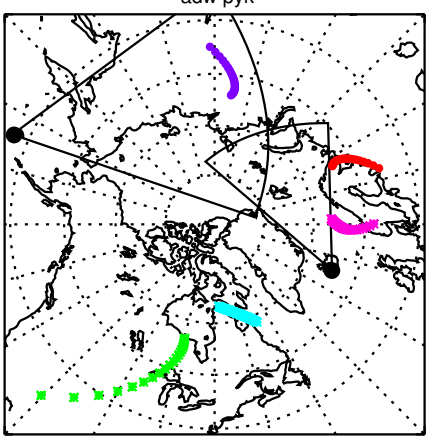


tig unw zho

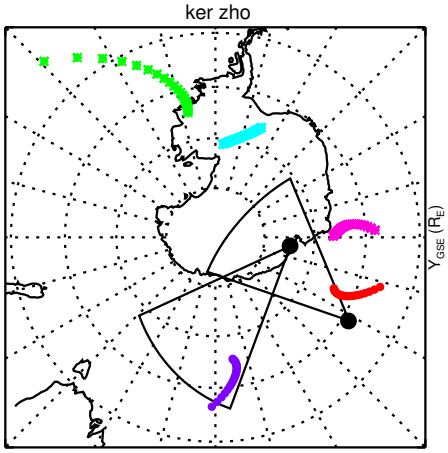


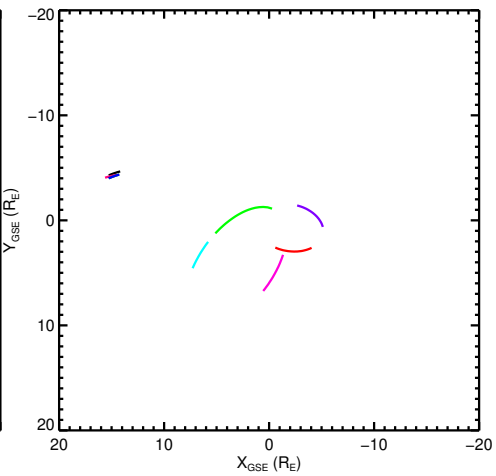


(e) 1630UT to 1835UT
adw pyk

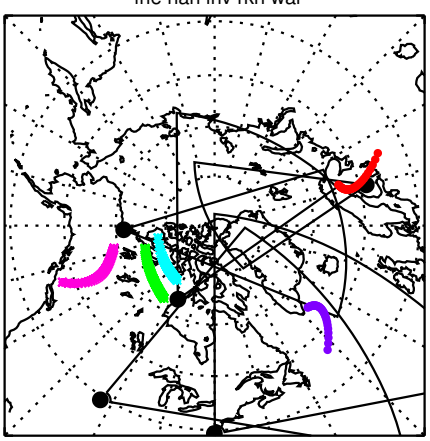


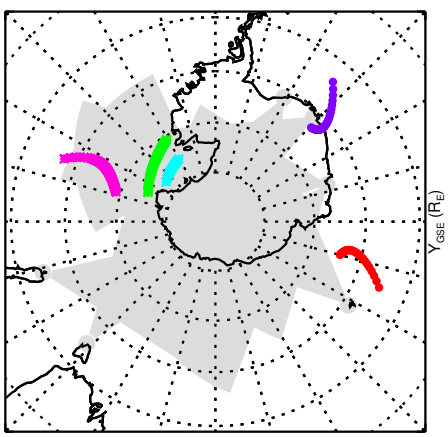
ker zho

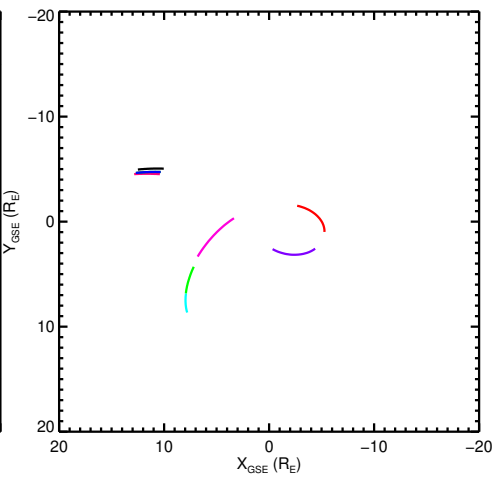




(f) 2040UT to 2320UT
fhe han inv rkn wal



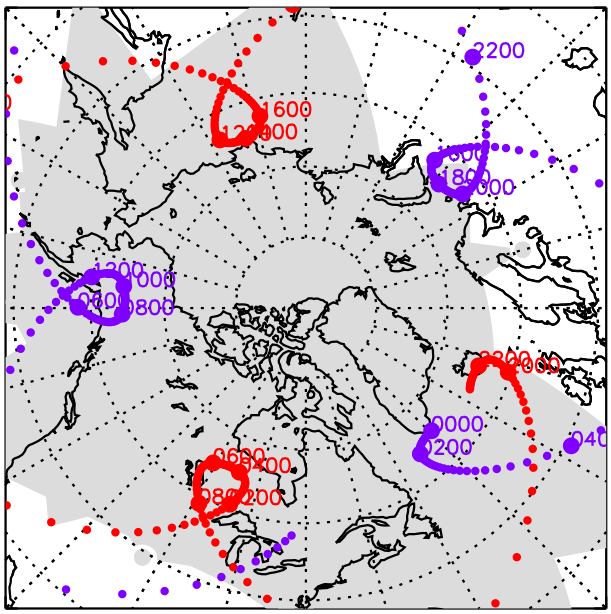


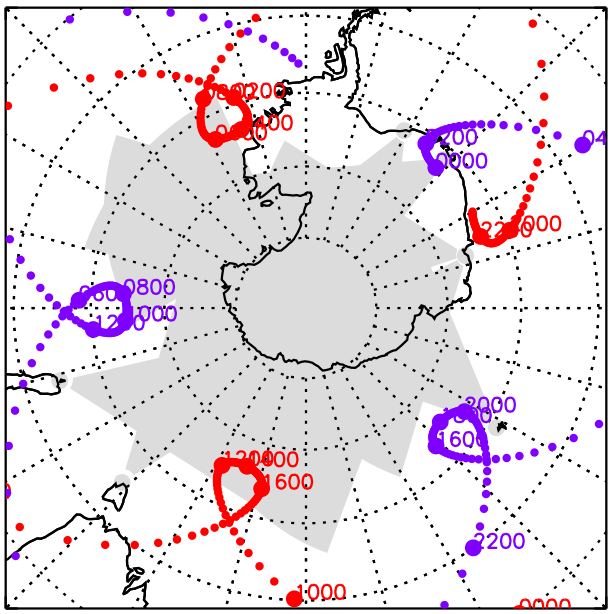


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

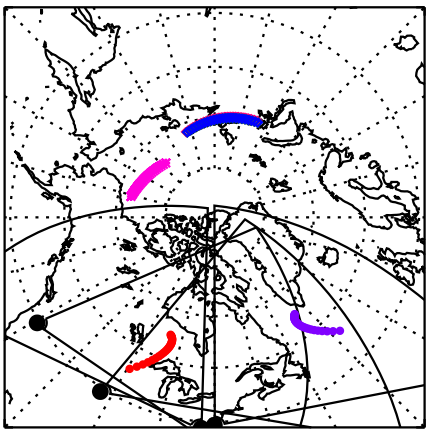
09–Mar–2015

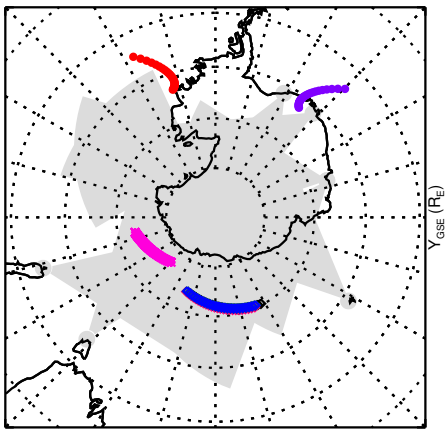
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

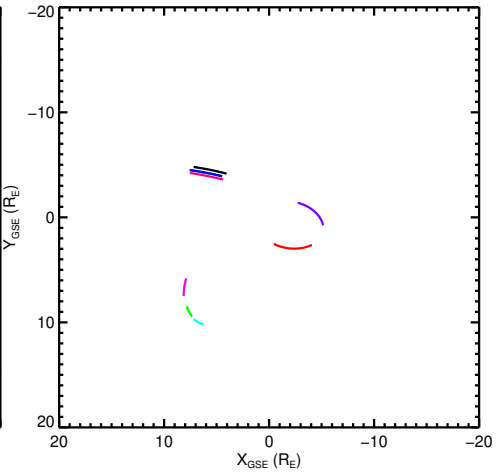




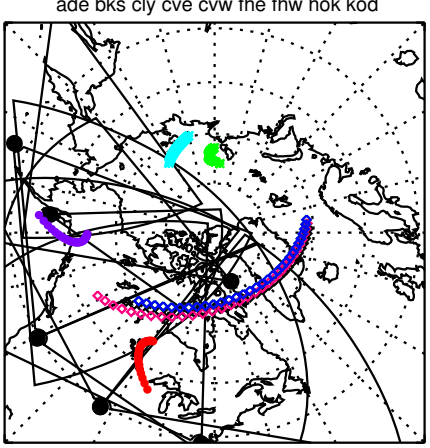
(a) 0125UT to 0335UT
bks cve fhe wal



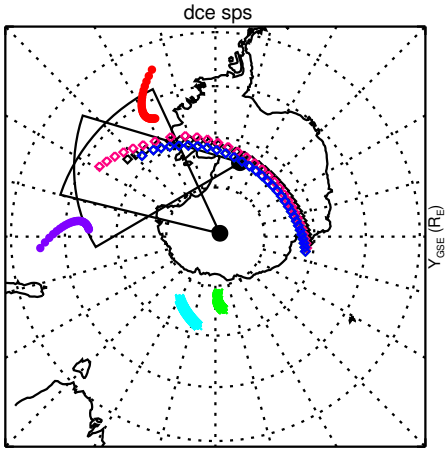


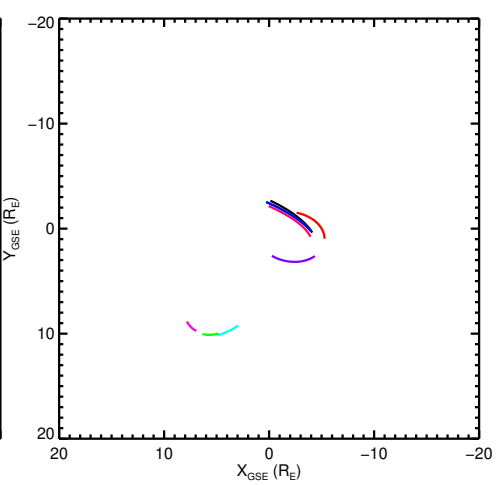


(b) 0540UT to 0820UT
ade bks cly cve cvw fhe fhw hok kod

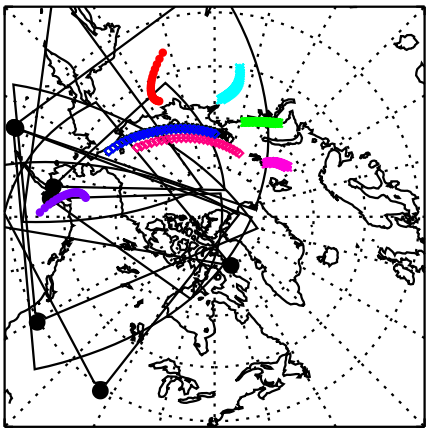


dce sps

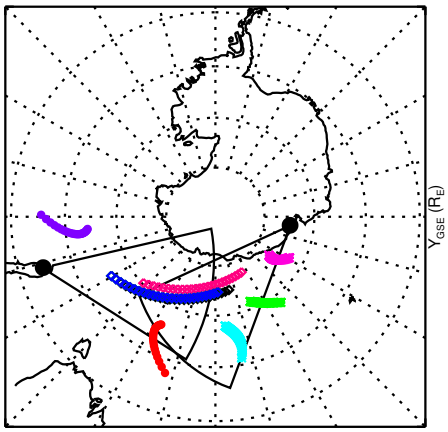


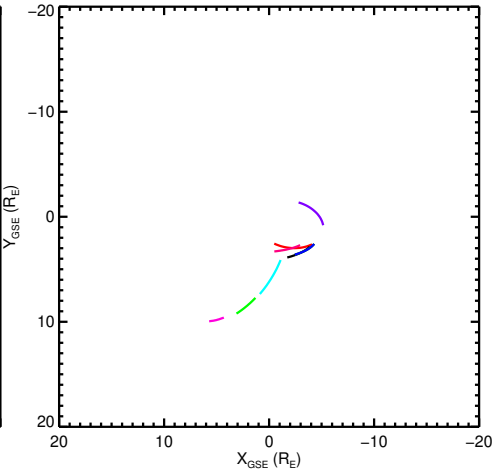


(c) 1025UT to 1235UT
ade adw cly cvw fhw hok kod ksr

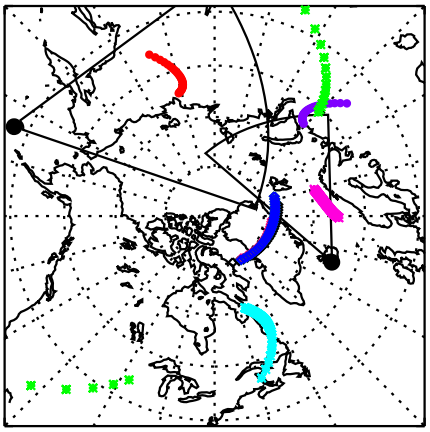


unw zho

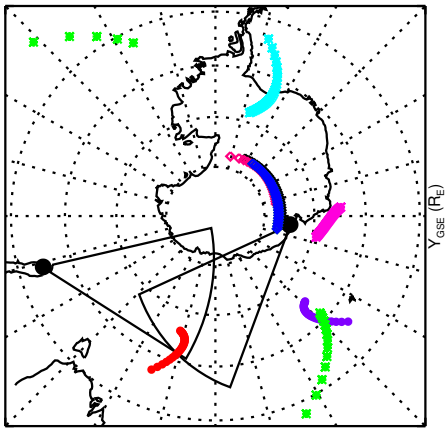


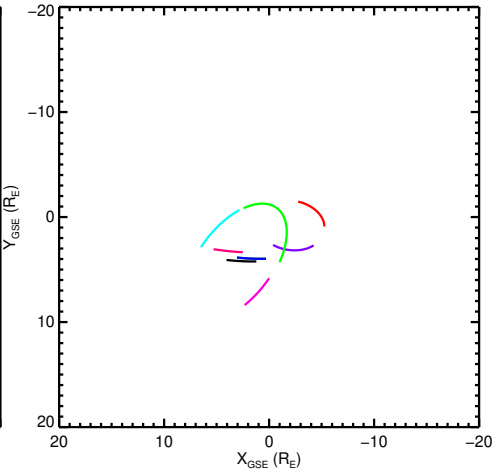


(d) 1445UT to 1715UT
adw pyk

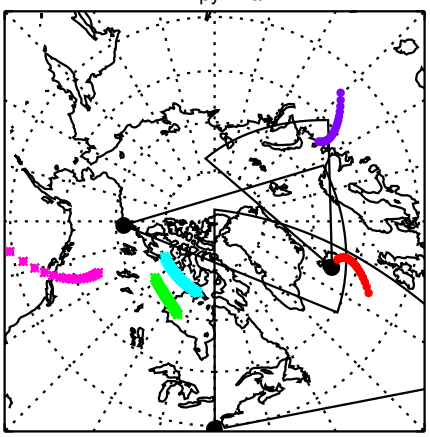


unw zho

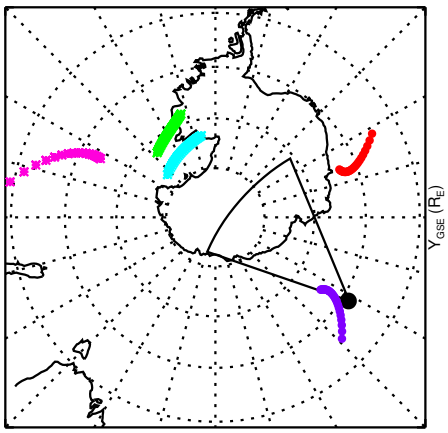


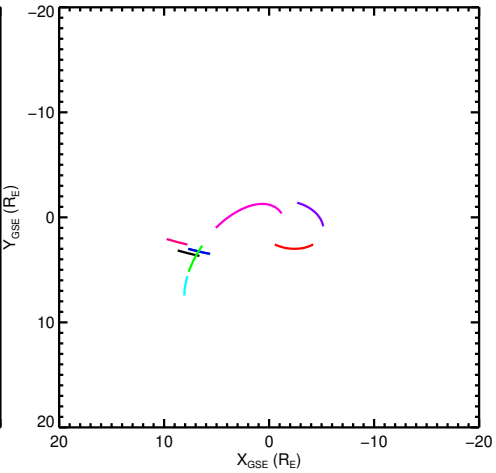


(e) 1925UT to 2140UT
inv pyk wal

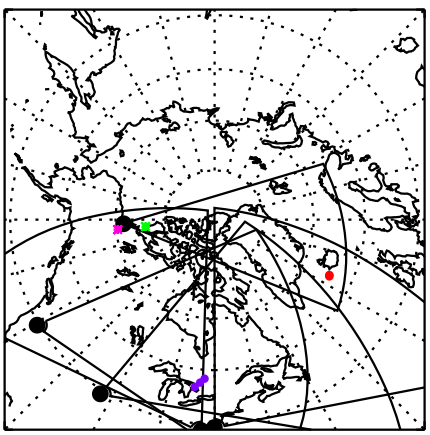


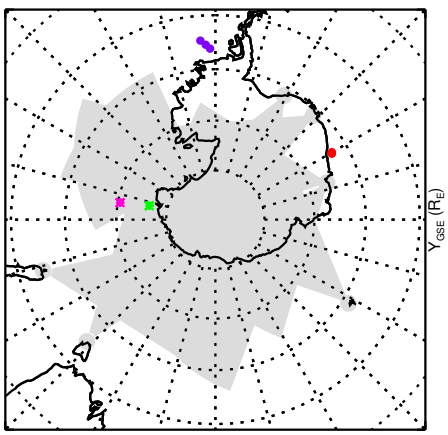
ker

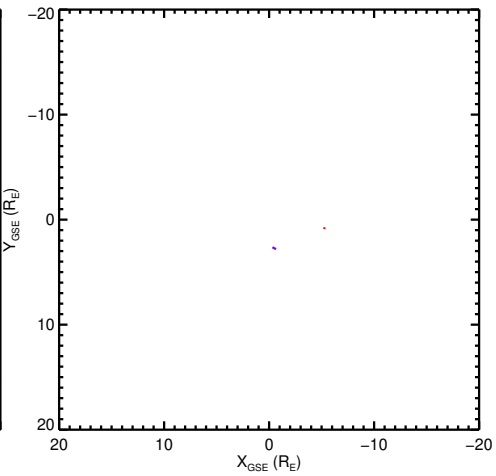




(f) 2345UT to 2355UT
bks cve fhe inv wal



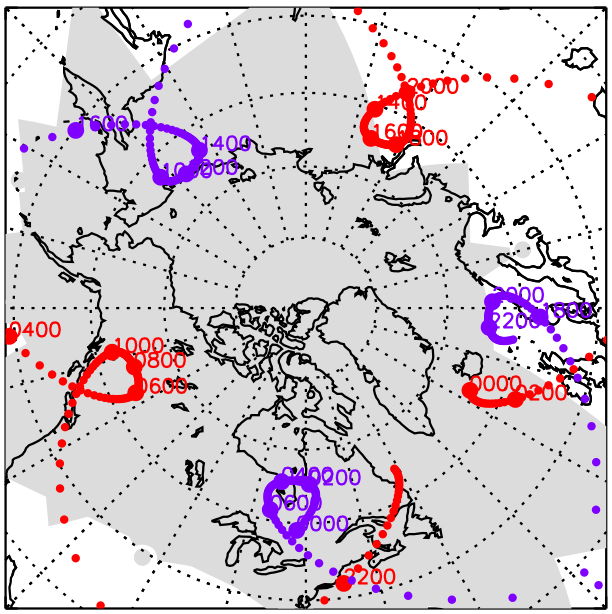


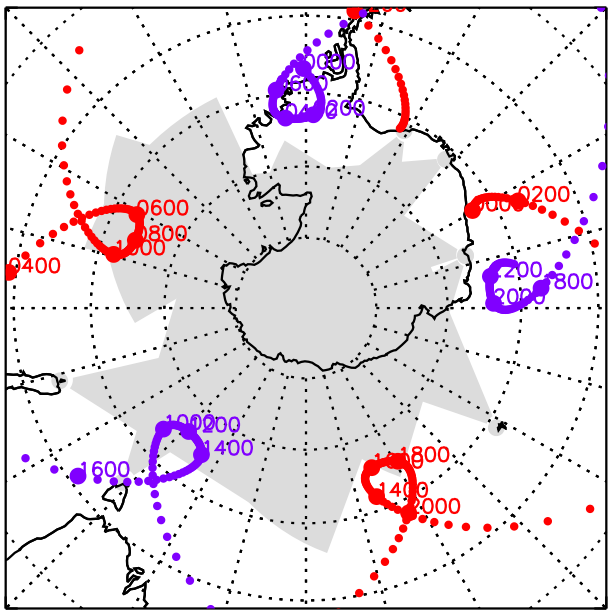


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

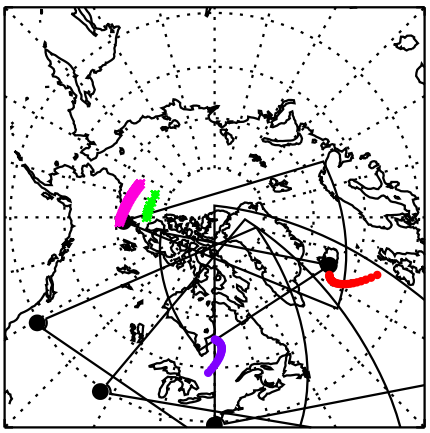
10–Mar–2015

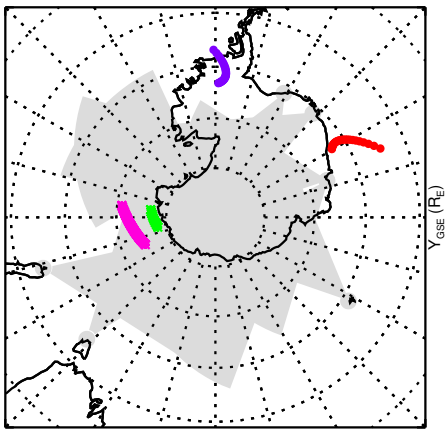
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

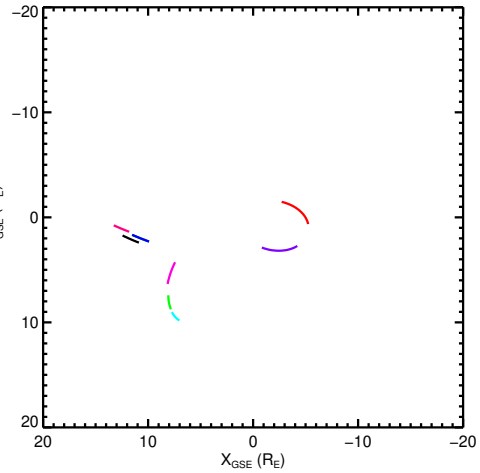




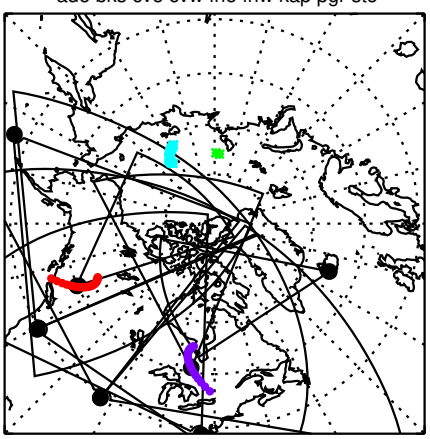
(a) 0000UT to 0215UT
cve fhe inv sto wal



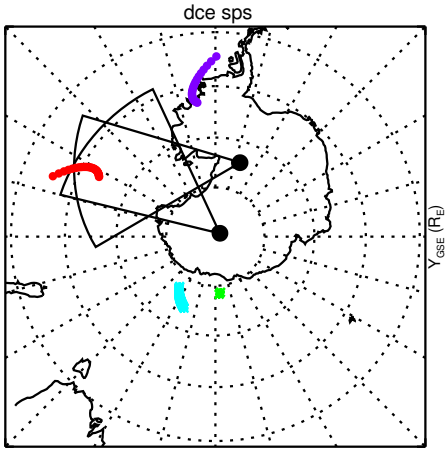


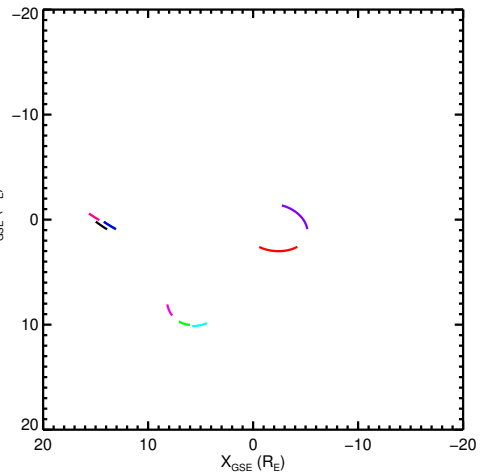


(b) 0425UT to 0640UT
ade bks cve cvw fhe fhw kap pgr sto



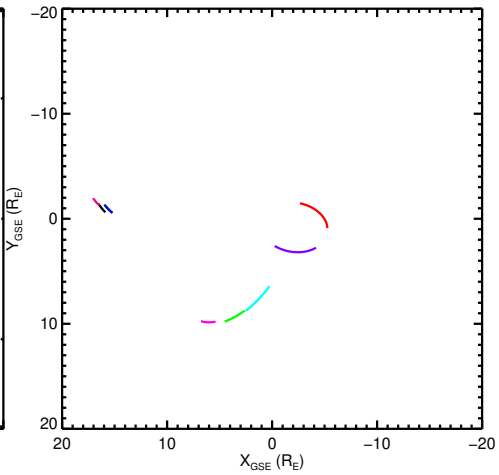
dce sps





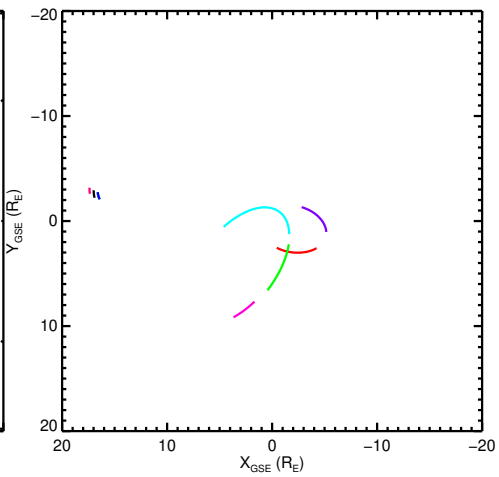
(c) 0845UT to 1115UT
ade adw bks cly cvw fhw hok ksr pgr

dce sps tig unw



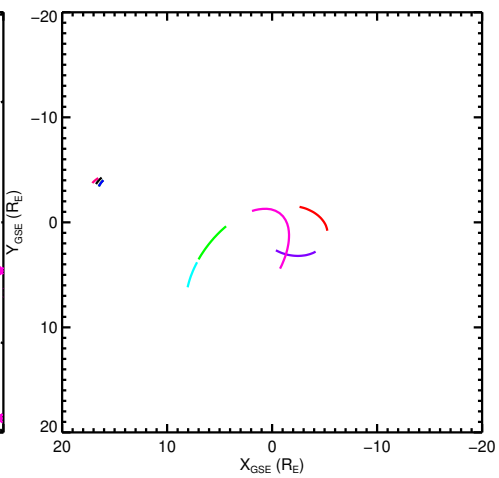
(d) 1320UT to 1540UT
adw hok ksr

unw

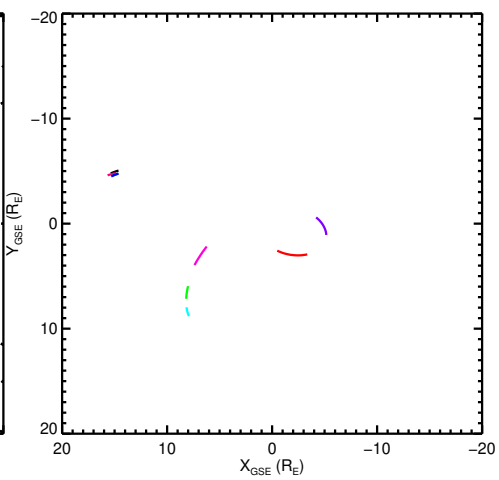


(e) 1750UT to 2015UT

sye



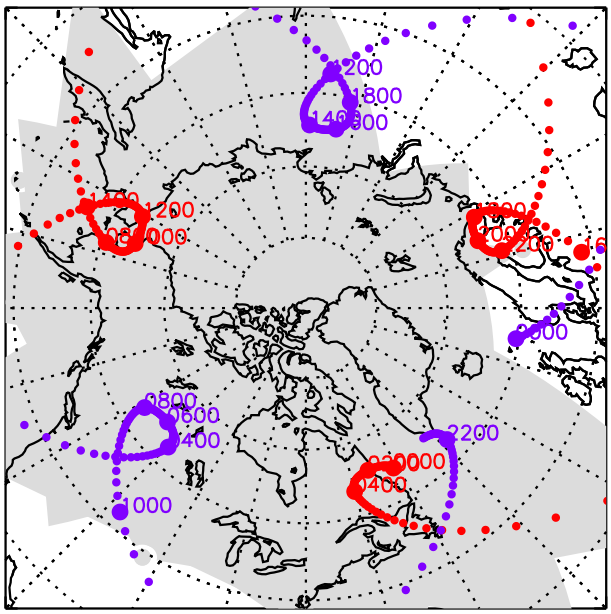
(f) 2220UT to 2355UT
cve fhe inv wal

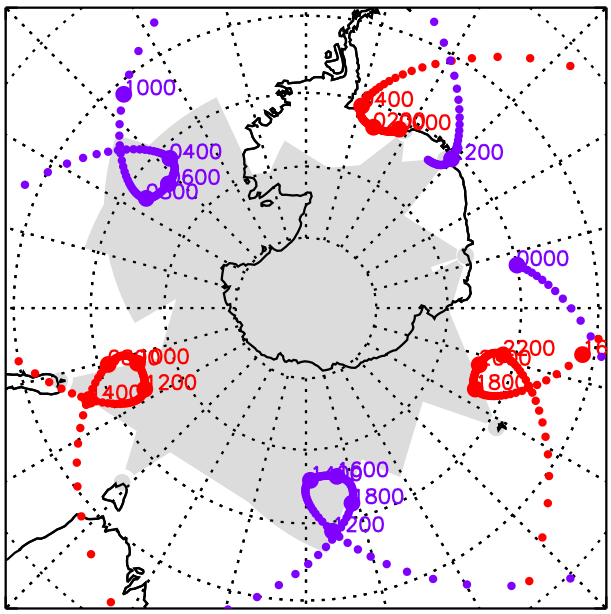


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

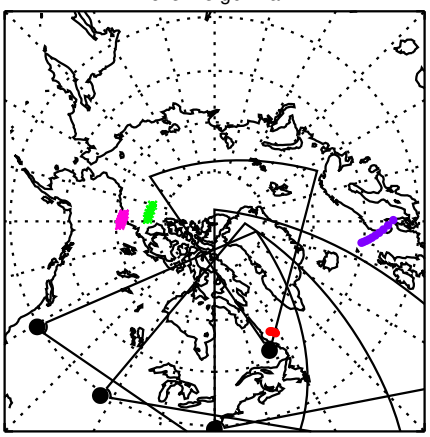
11–Mar–2015

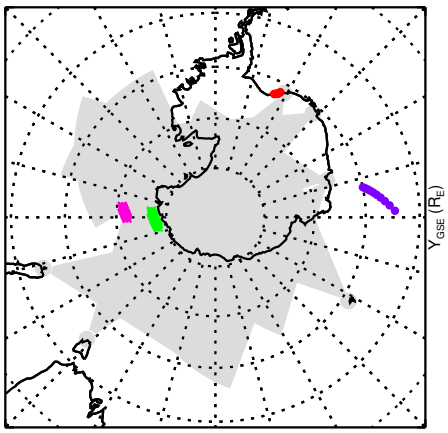
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

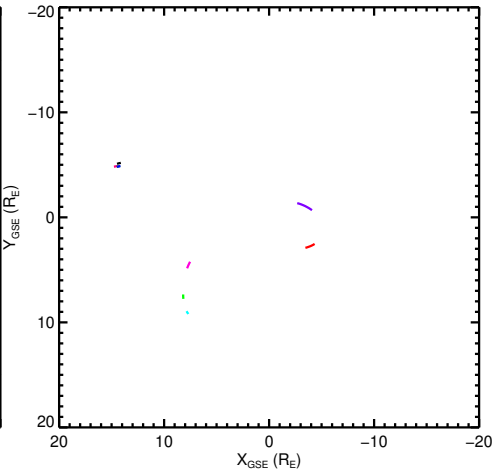




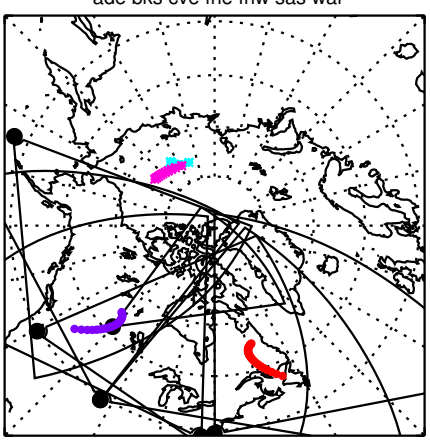
(a) 0000UT to 0045UT
cve fhe gbr wal



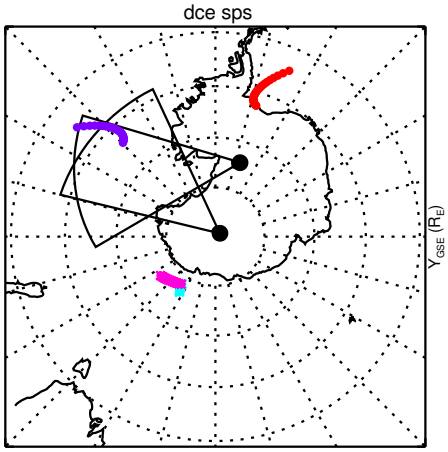


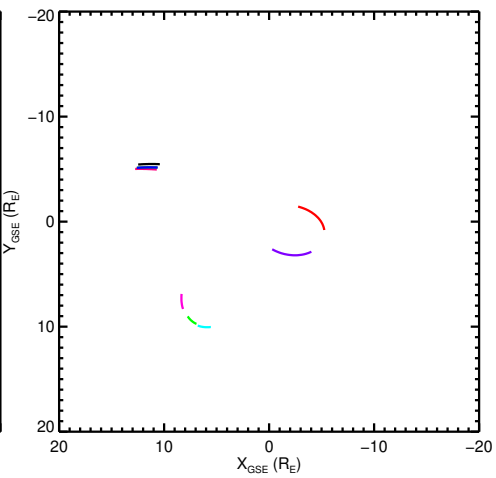


(b) 0250UT to 0510UT
ade bks cve fhe fhw sas wal



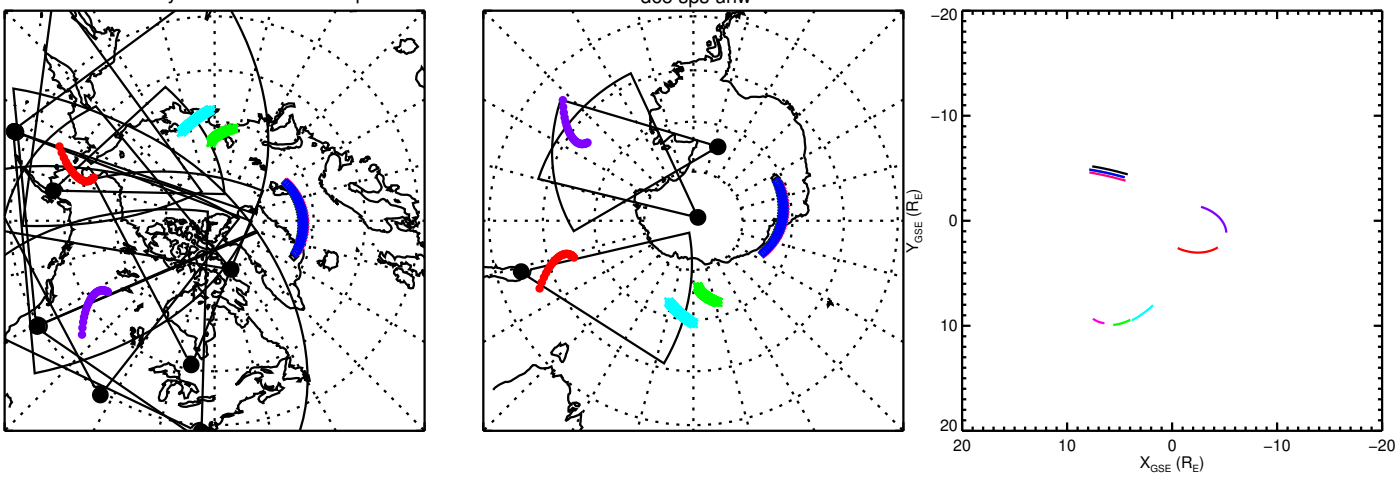
dce sps





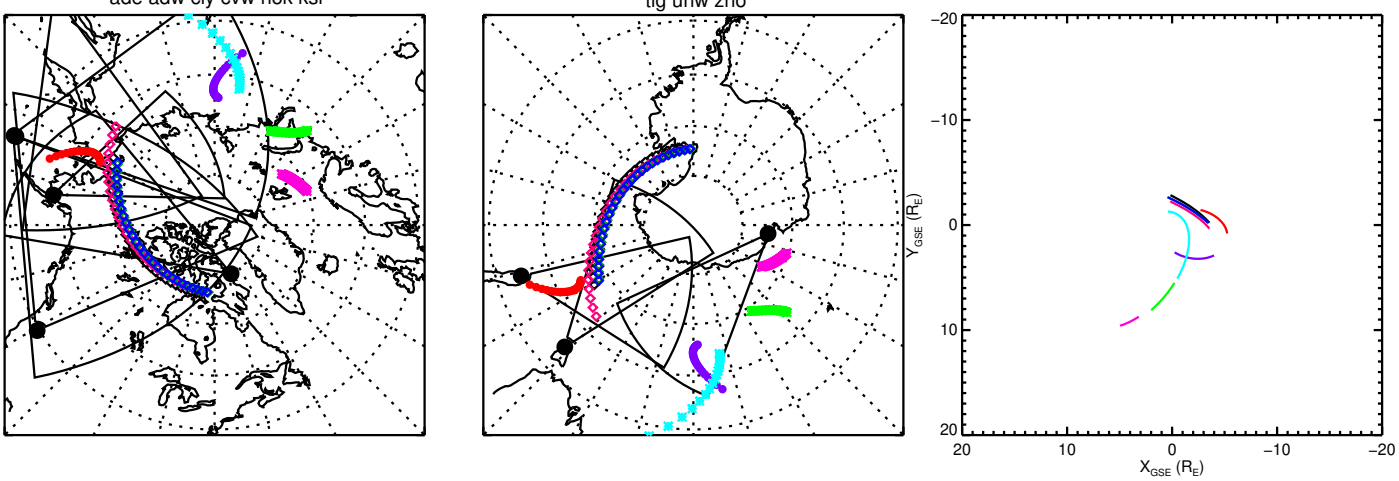
(c) 0720UT to 0945UT
ade adw bks cly cve cvw fhw hok kap ksr

dce sps unw



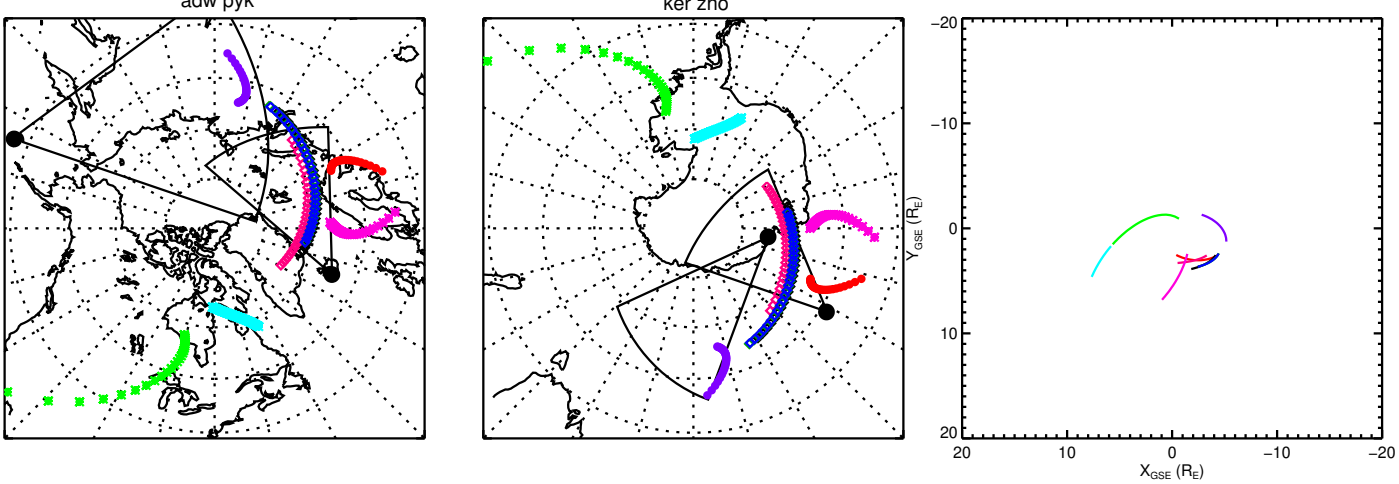
(d) 1150UT to 1410UT
ade adw cly cvw hok ksr

tig unw zho



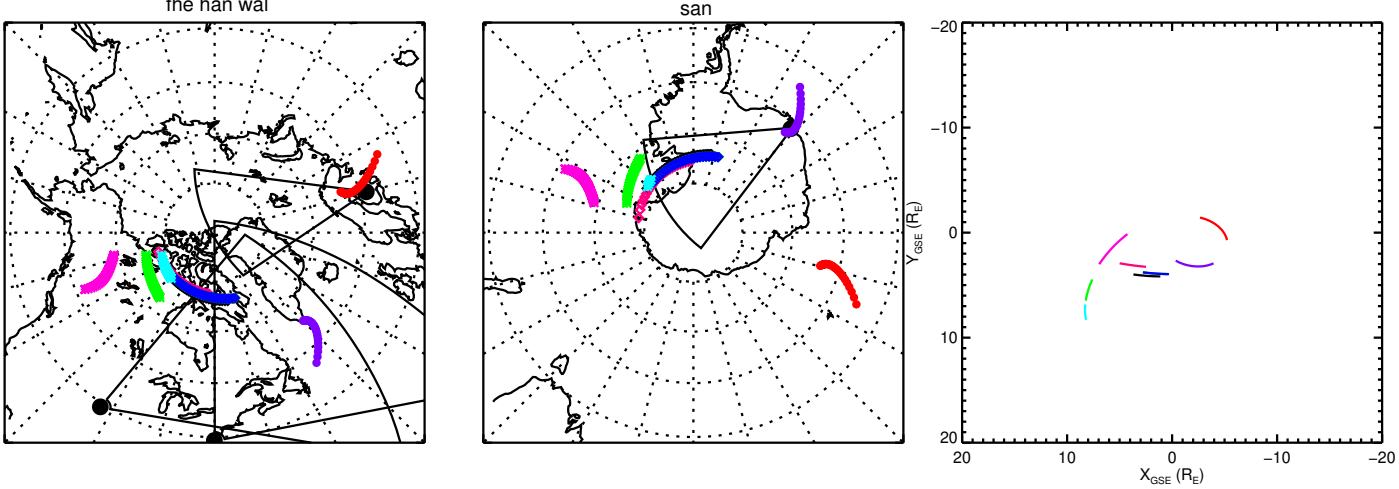
(e) 1615UT to 1845UT
adw pyk

ker zho



(f) 2055UT to 2310UT
fhe han wal

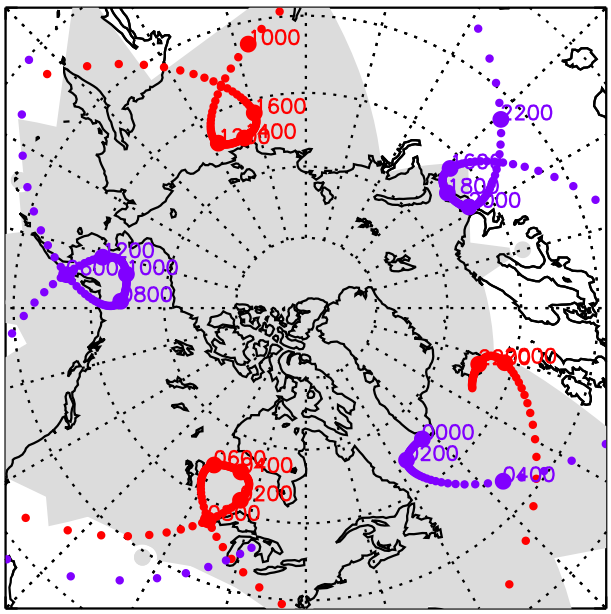
san

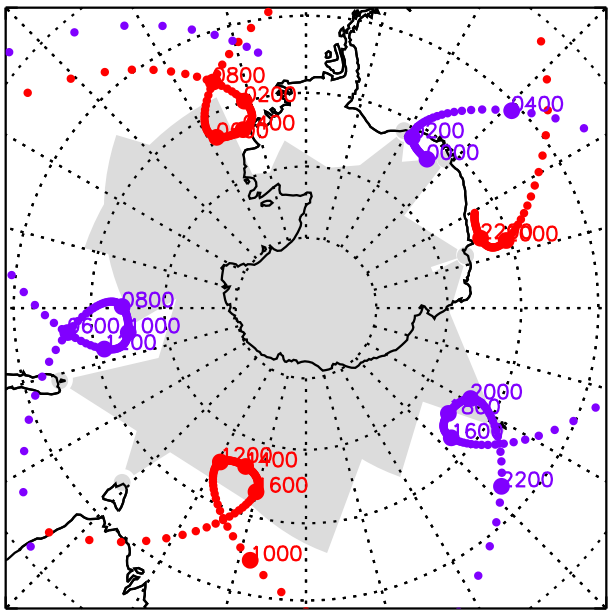


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

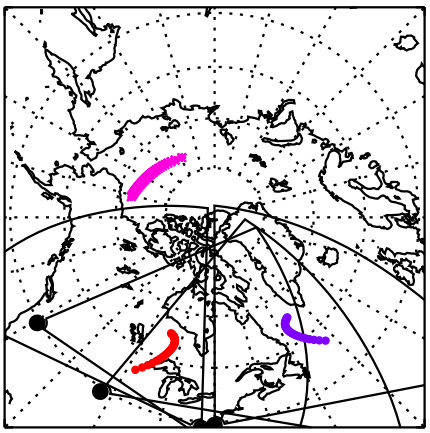
12–Mar–2015

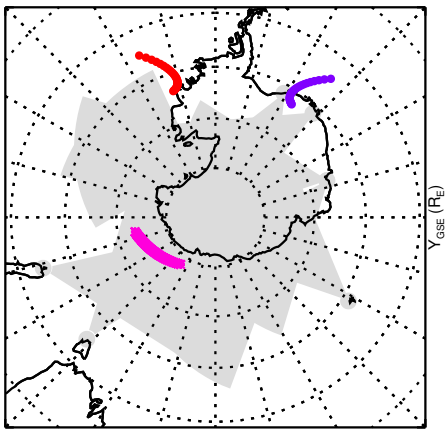
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

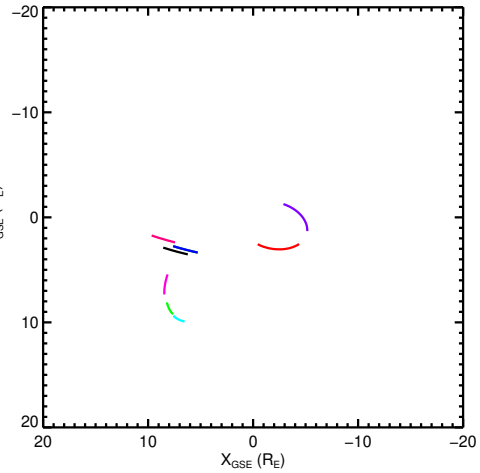




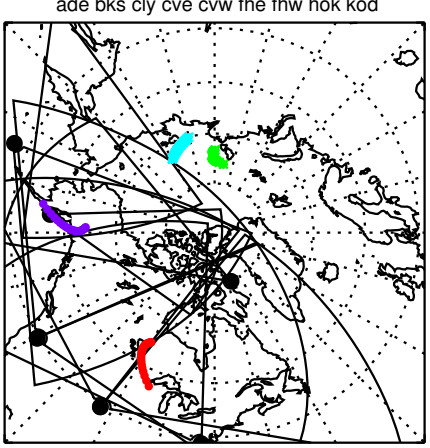
(a) 0115UT to 0345UT
bks cve fhe wal



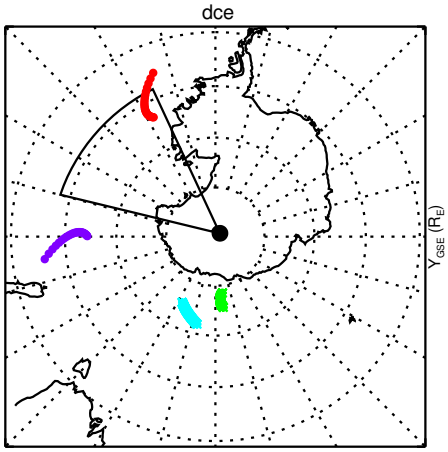


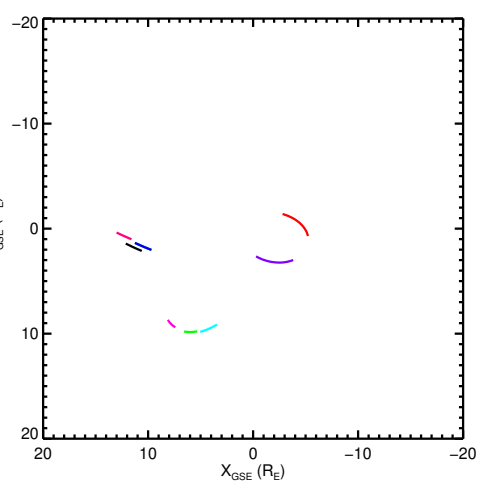


(b) 0555UT to 0805UT
ade bks cly cve cvw fhe fhw hok kod

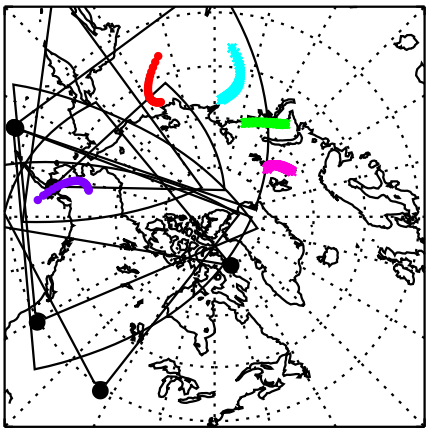


dce

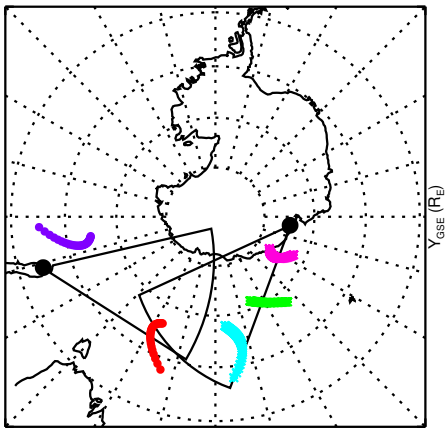


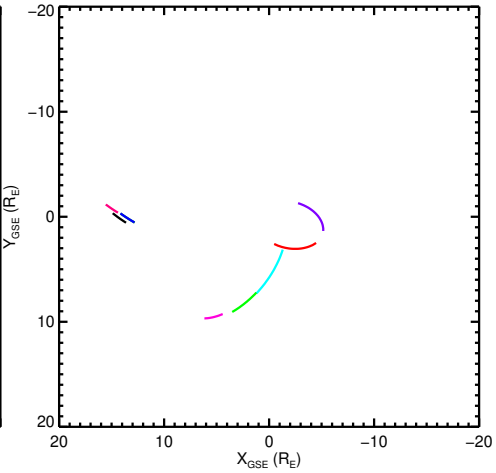


(c) 1015UT to 1250UT
ade adw cly cvw fhw hok ksr

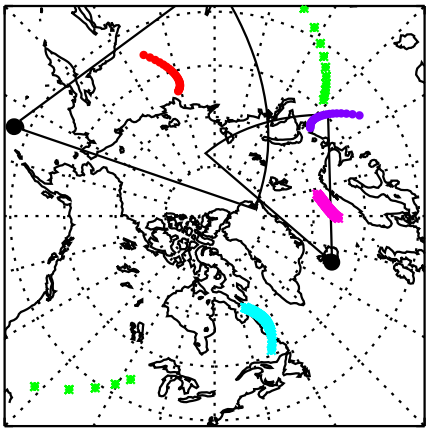


unw zho

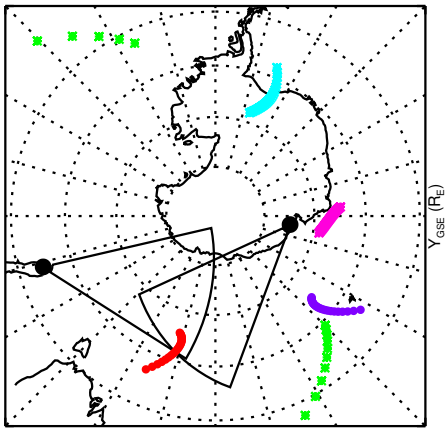


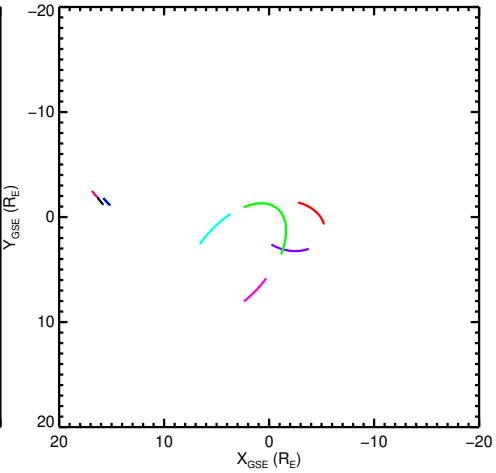


(d) 1455UT to 1705UT
adw pyk

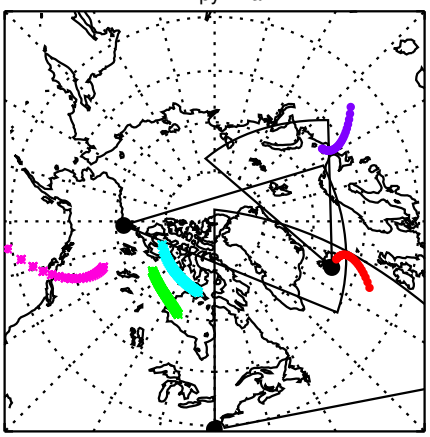


unw zho

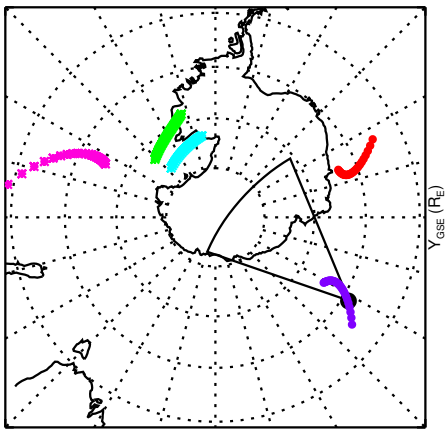


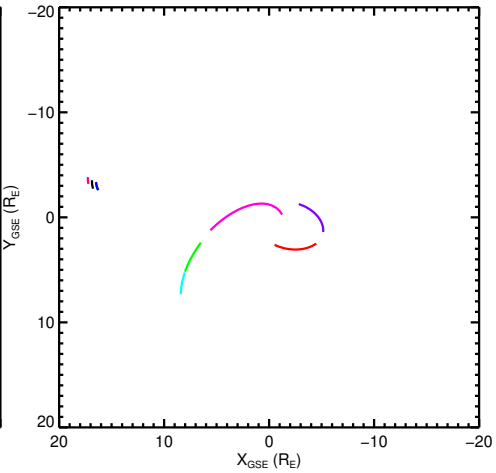


(e) 1915UT to 2150UT
inv pyk wal



ker

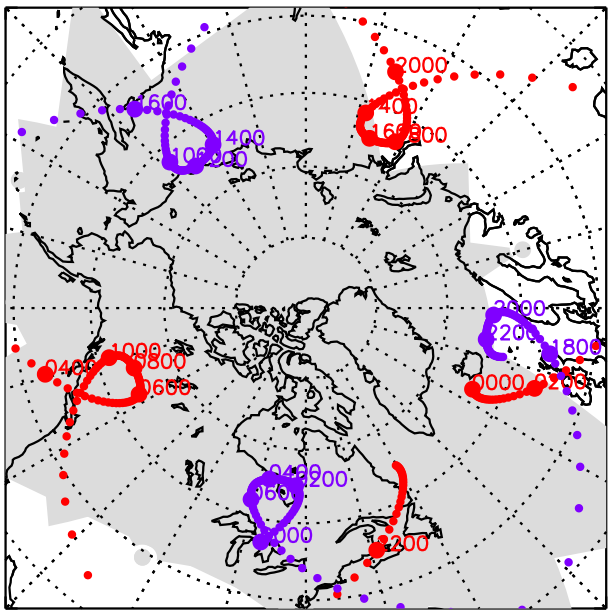


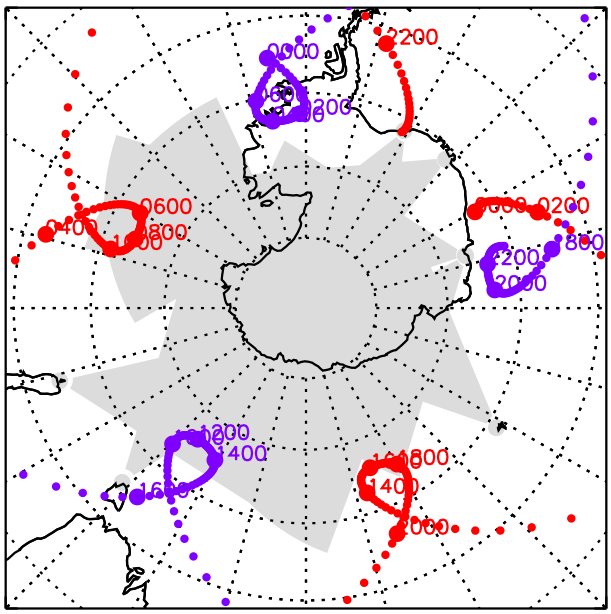


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

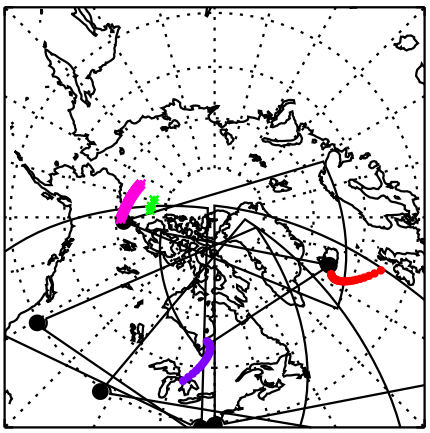
13–Mar–2015

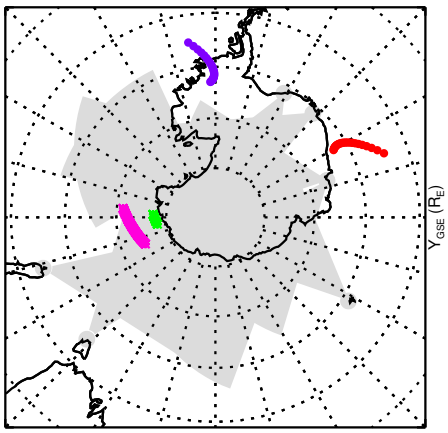
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

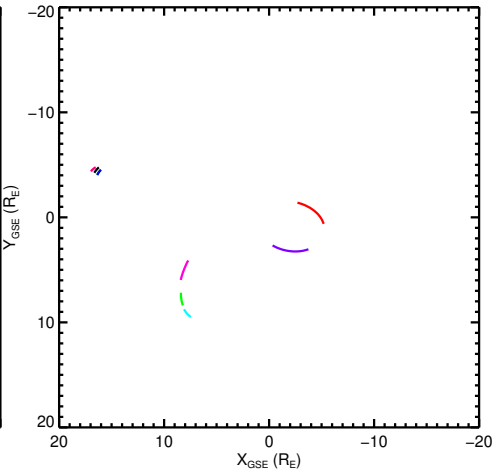




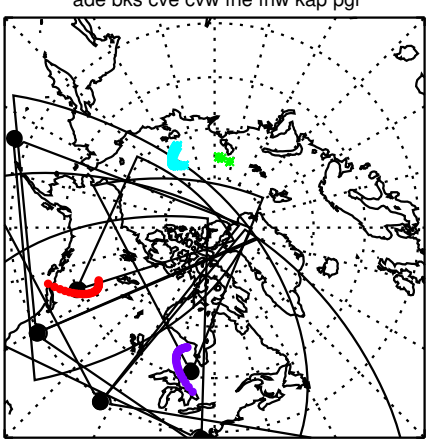
(a) 0000UT to 0205UT
bks cve fhe inv sto wal



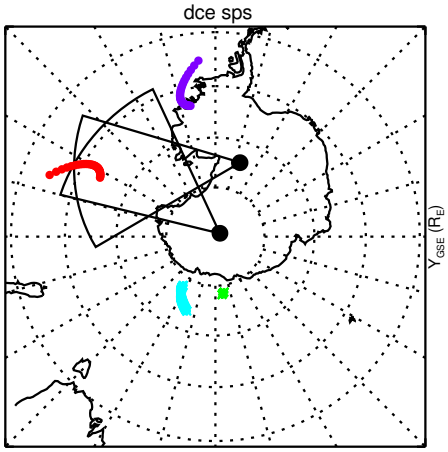


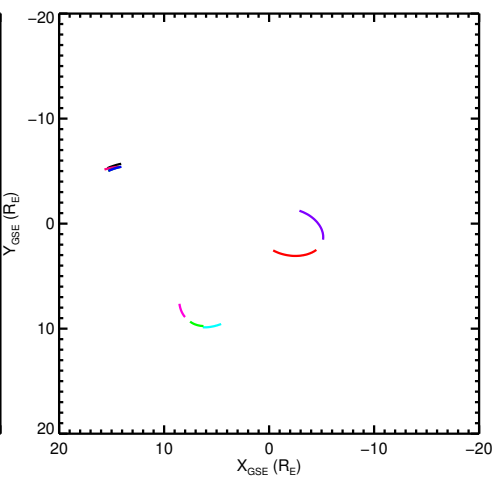


(b) 0410UT to 0650UT
ade bks cve cvw fhe fhw kap pgr



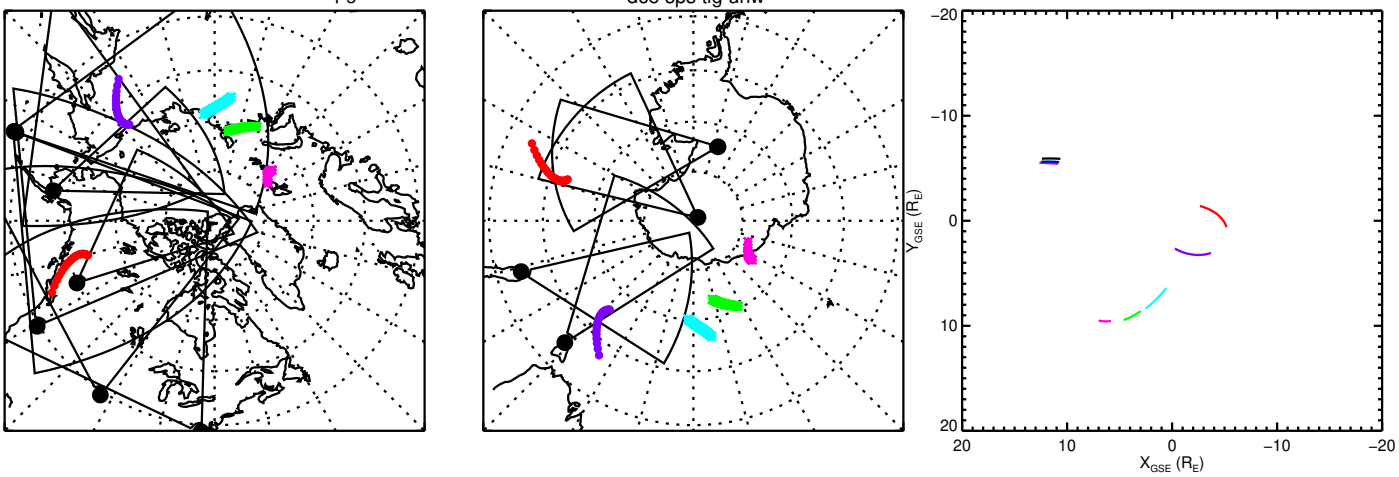
dce sps





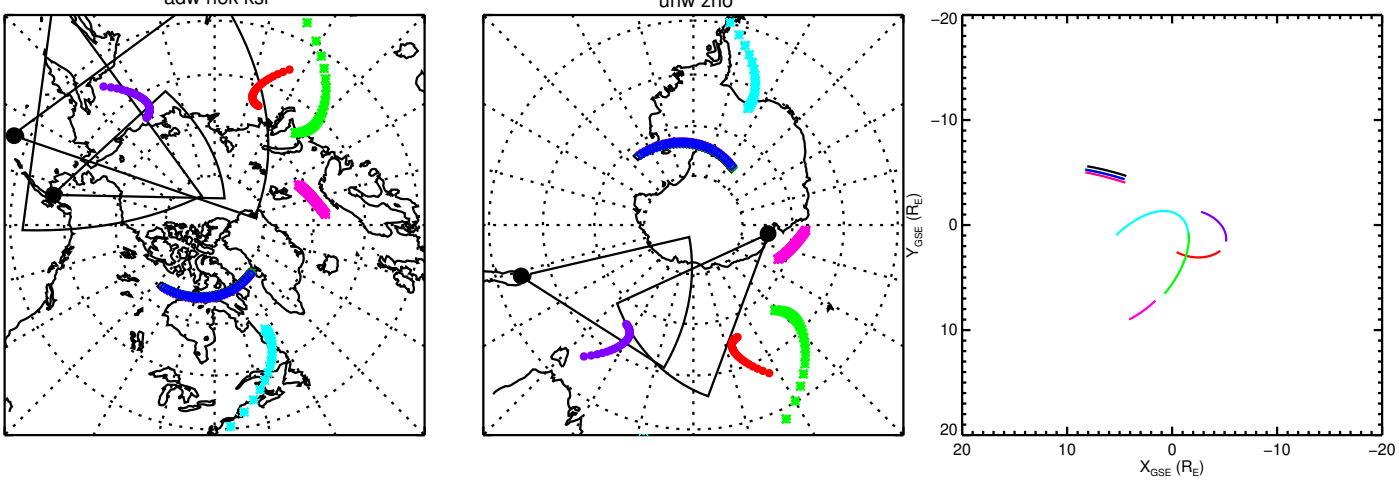
(c) 0900UT to 1105UT
ade adw bks cvw fhw hok ksr pgr

dce sps tig unw



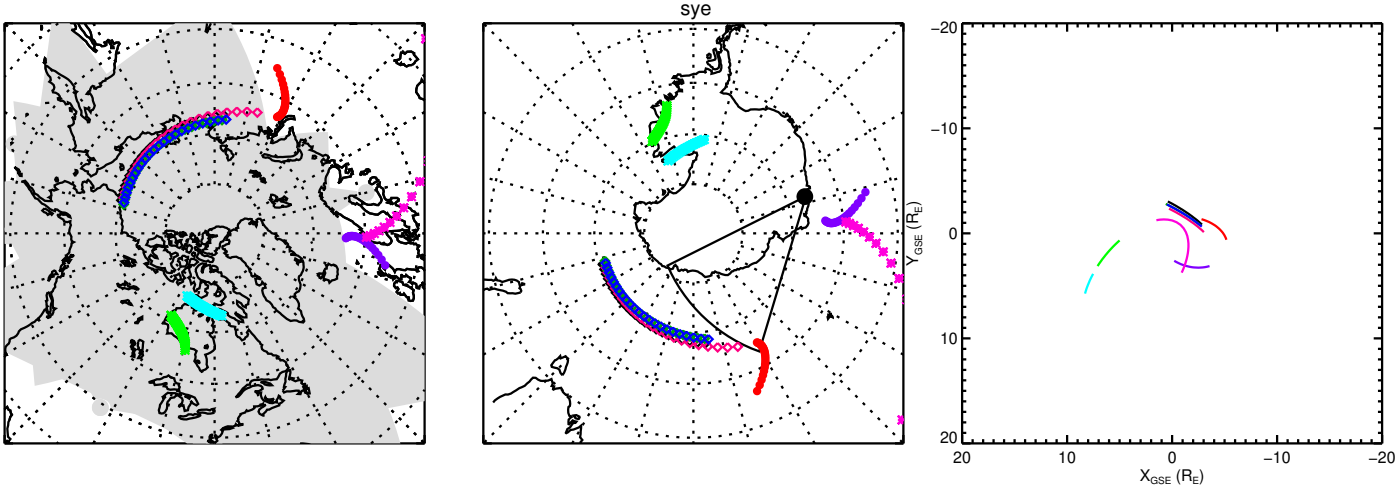
(d) 1310UT to 1555UT
adw hok ksr

unw zho

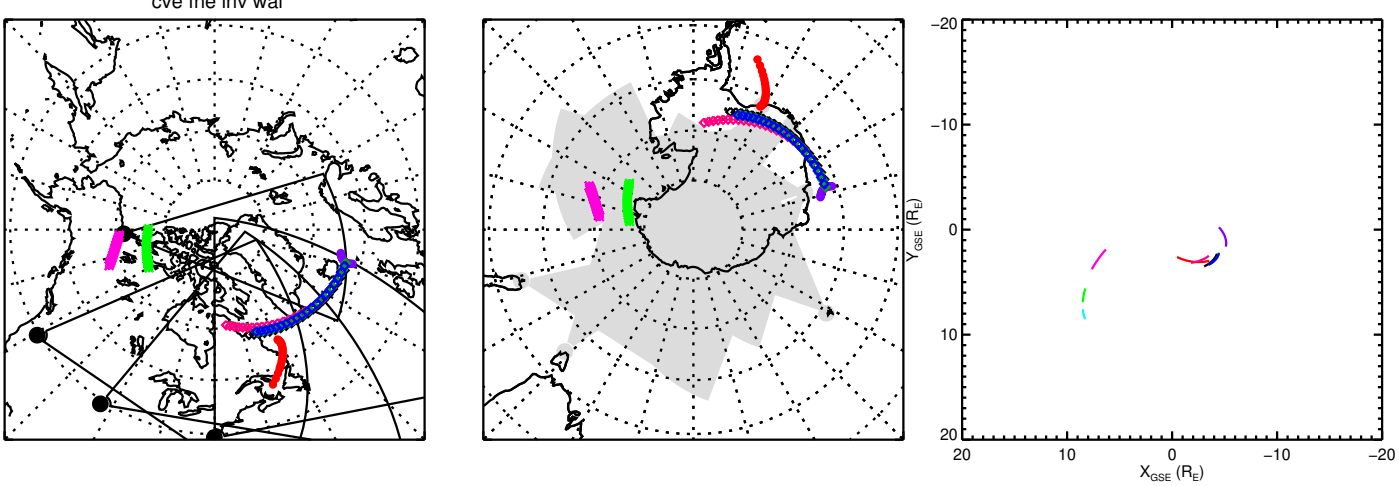


(e) 1800UT to 2000UT

sye



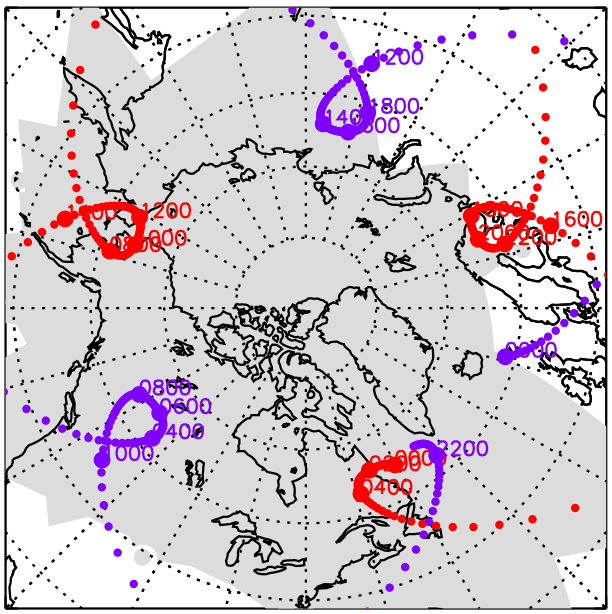
(f) 2210UT to 2355UT
cve fhe inv wal

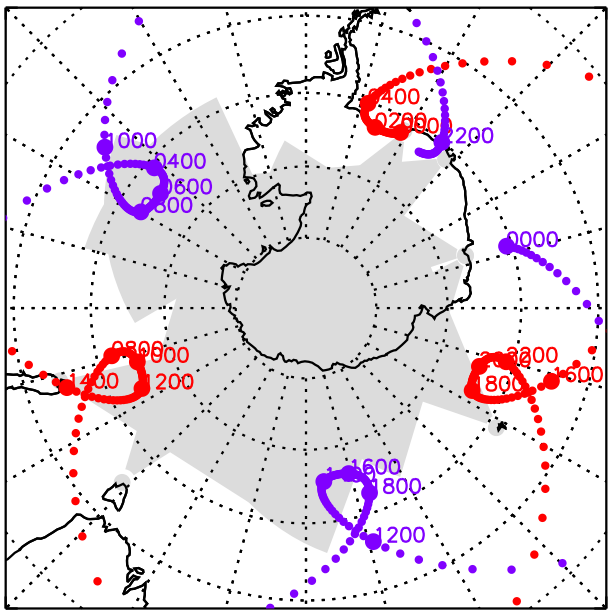


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

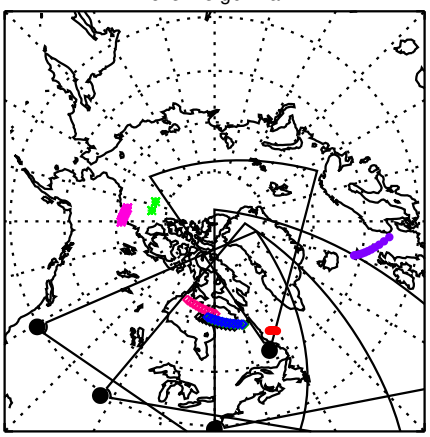
14–Mar–2015

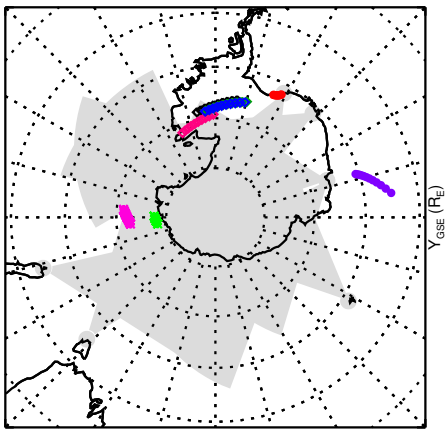
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

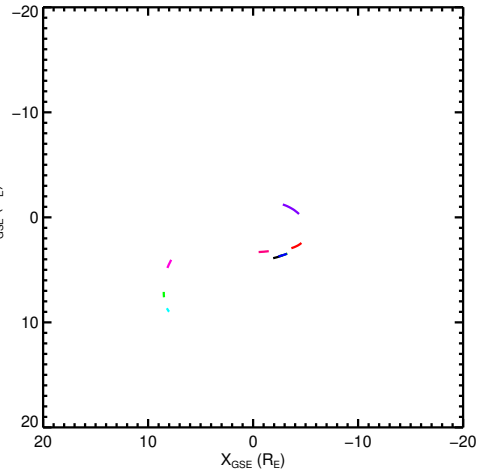




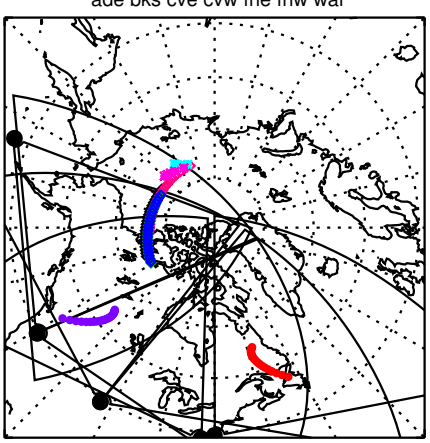
(a) 0000UT to 0055UT
cve fhe gbr wal



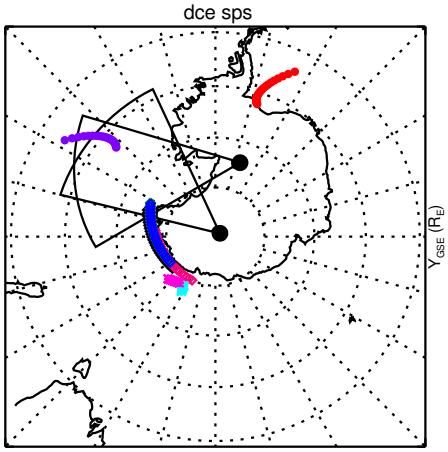


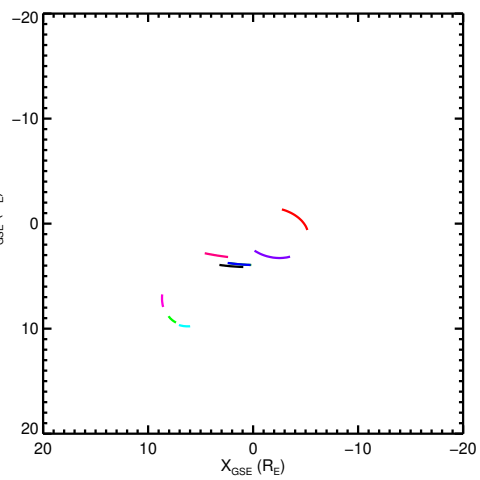


(b) 0300UT to 0500UT
ade bks cve cvw fhe fhw wal

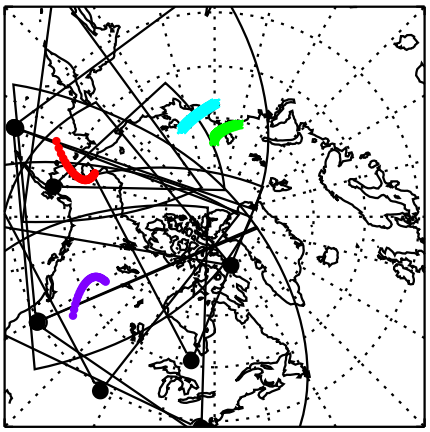


dce sps

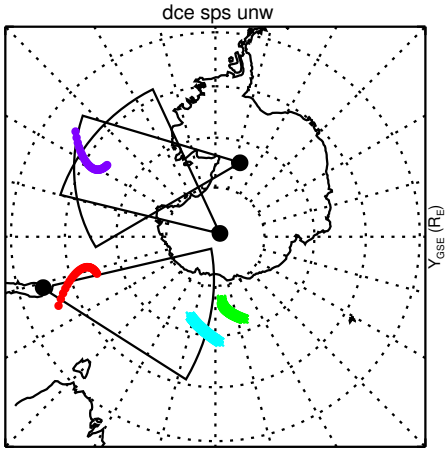


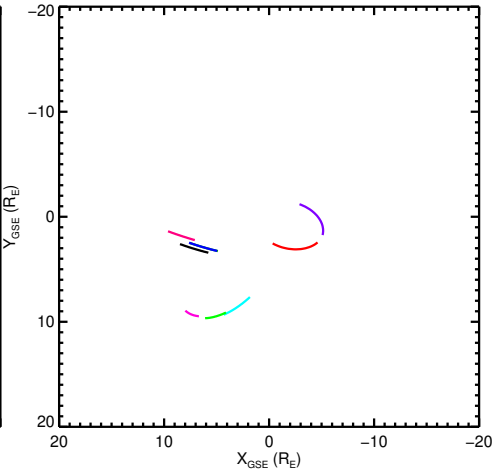


(c) 0705UT to 0955UT
ade adw bks cly cve cvw fhw hok kap ksr

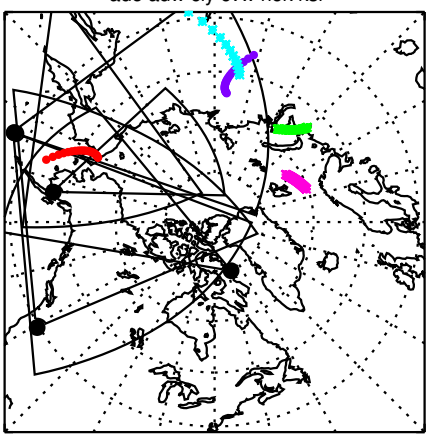


dce sps unw

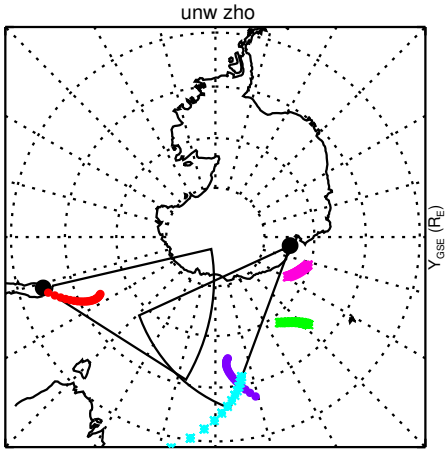


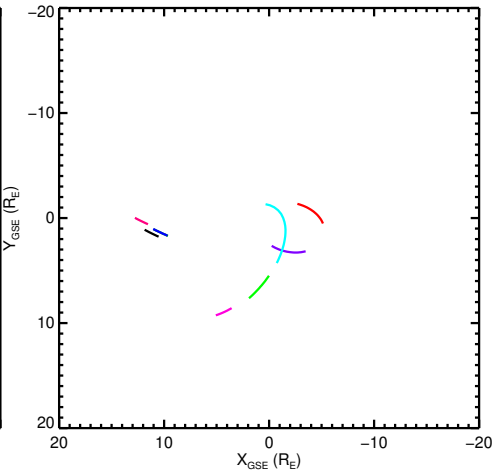


(d) 1205UT to 1400UT
ade adw cly cvw hok ksr

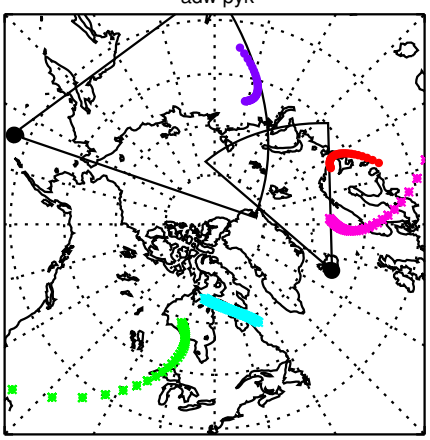


unw zho

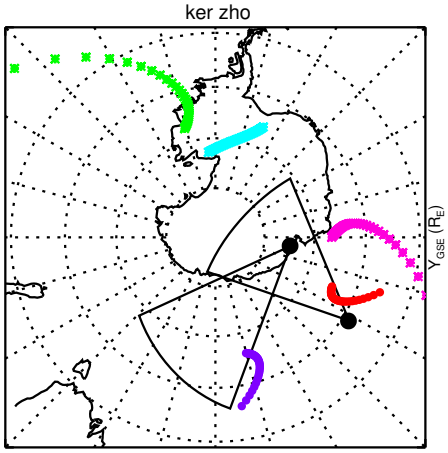


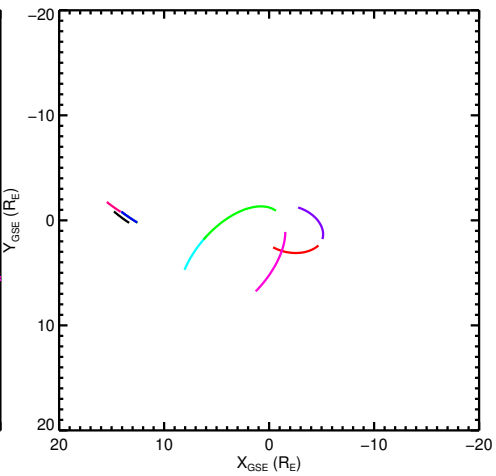


(e) 1605UT to 1900UT
adw pyk

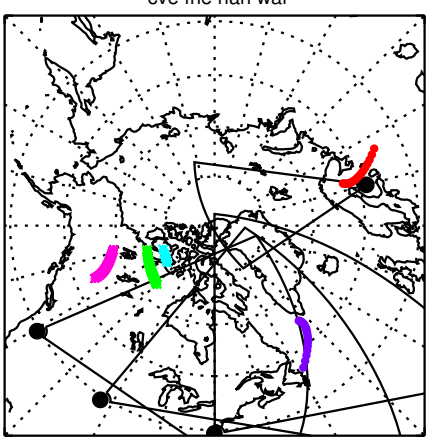


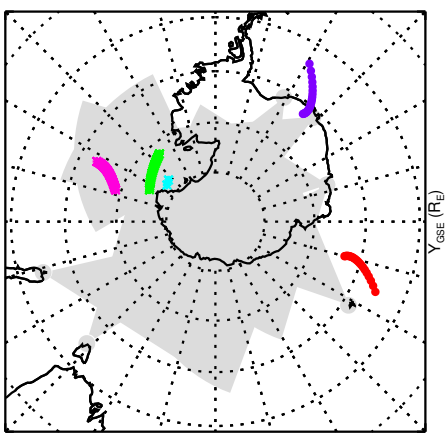
ker zho

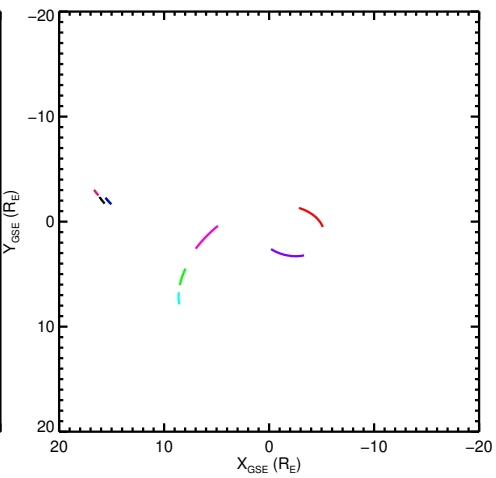




(f) 2105UT to 2255UT
cve fhe han wal



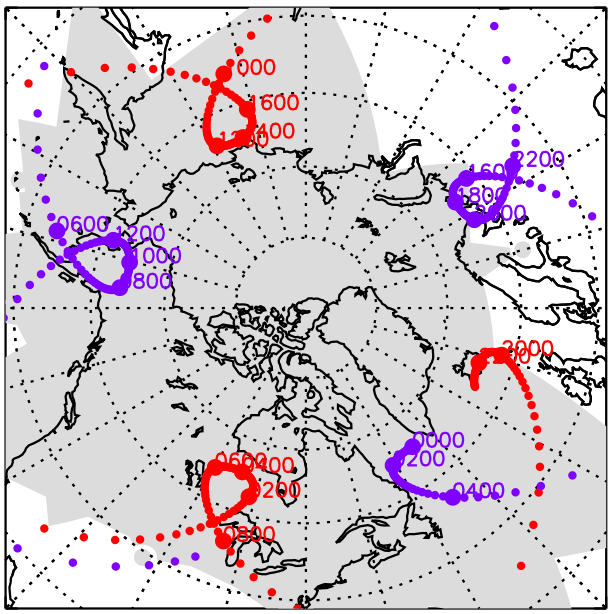


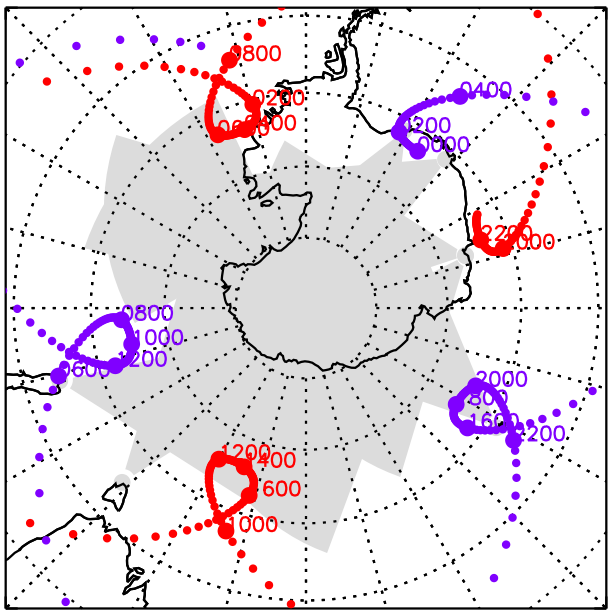


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

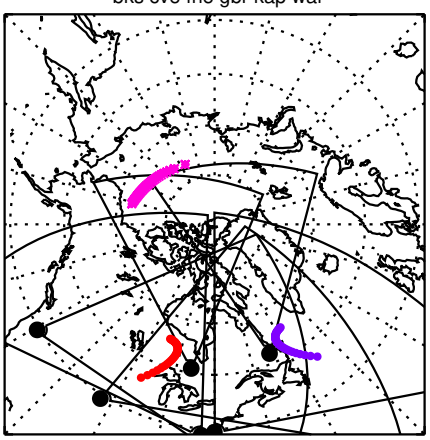
15–Mar–2015

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

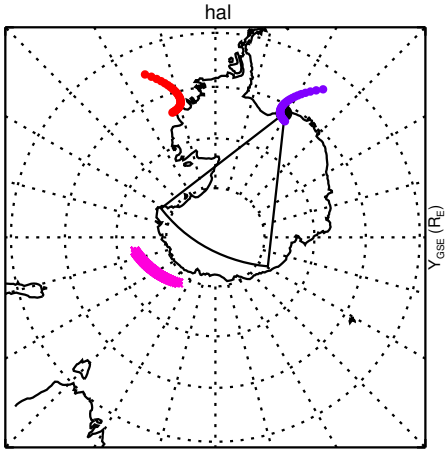


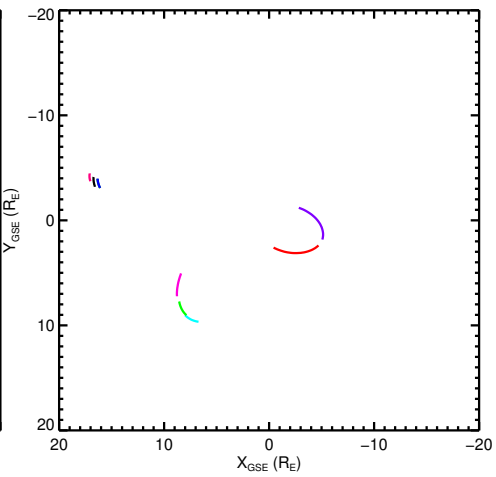


(a) 0105UT to 0400UT
bks cve fhe gbr kap wal

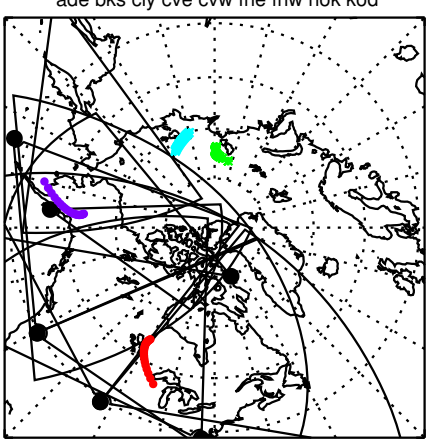


hal

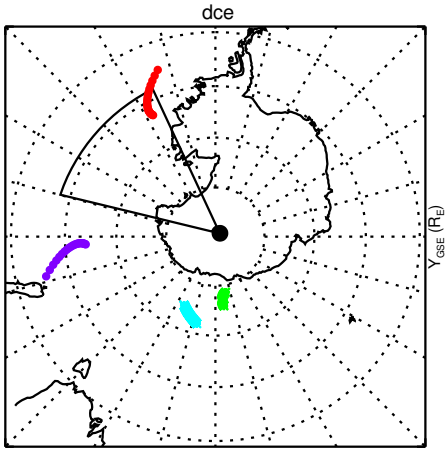


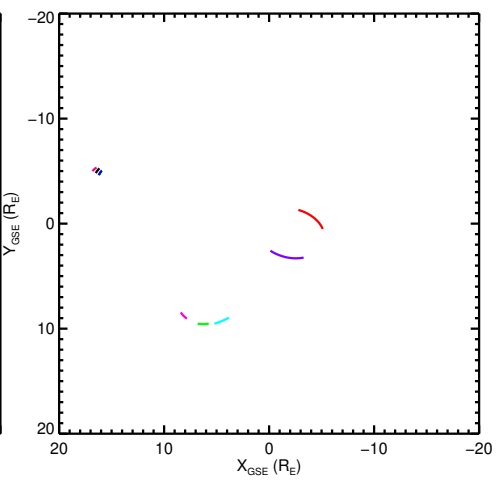


(b) 0605UT to 0755UT
ade bks cly cve cvw fhe fhw hok kod

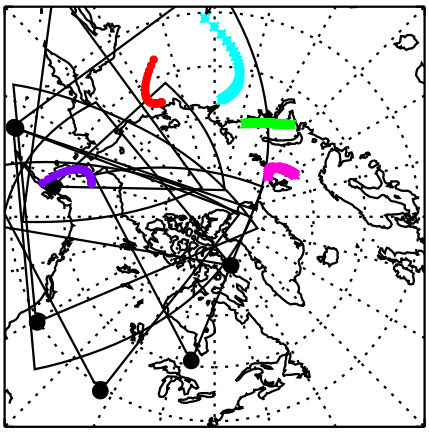


dce

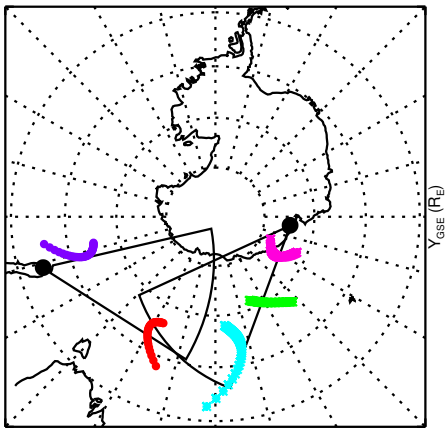


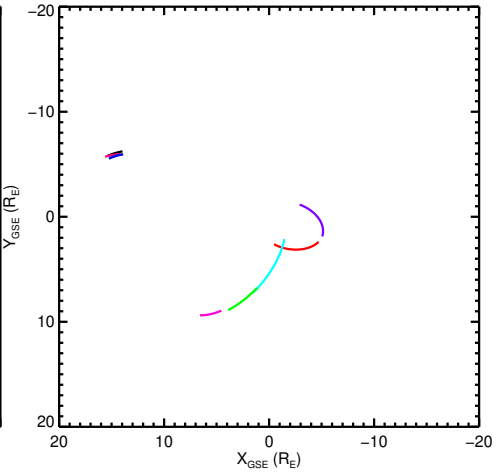


(c) 1005UT to 1300UT
ade adw cly cvw fhw hok kap ksr

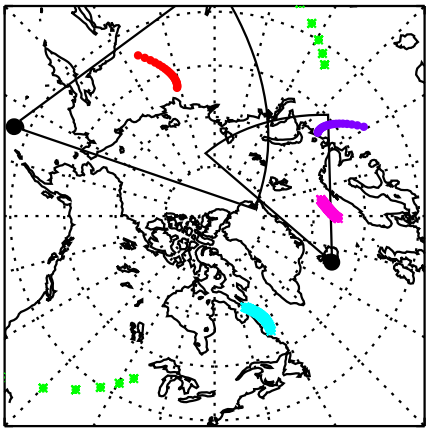


unw zho

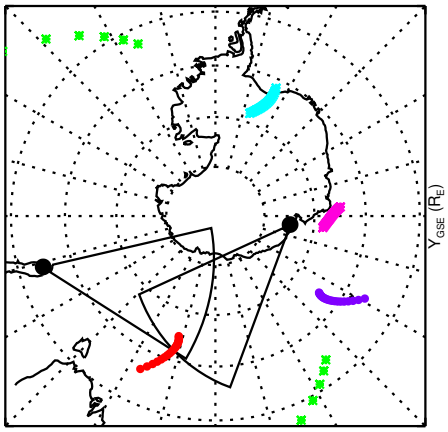


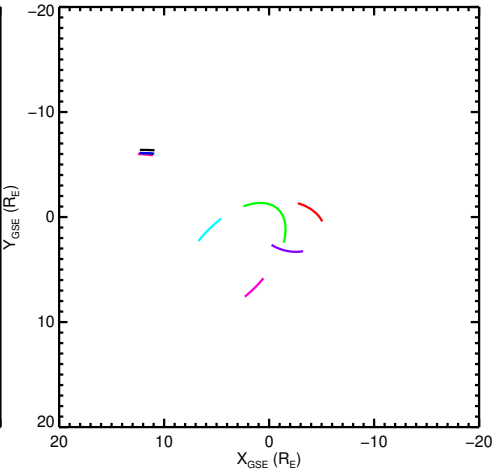


(d) 1510UT to 1655UT
adw pyk

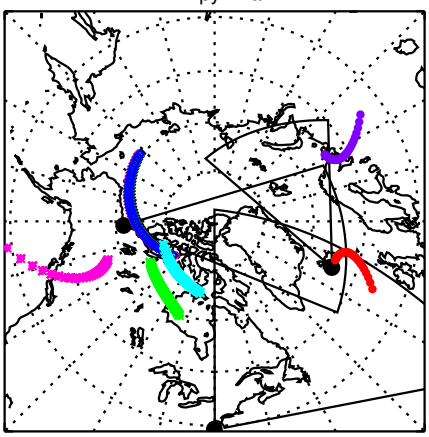


unw zho

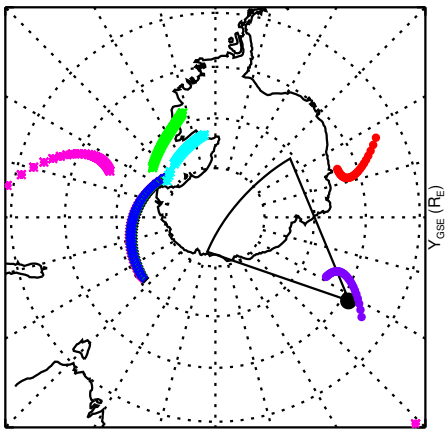


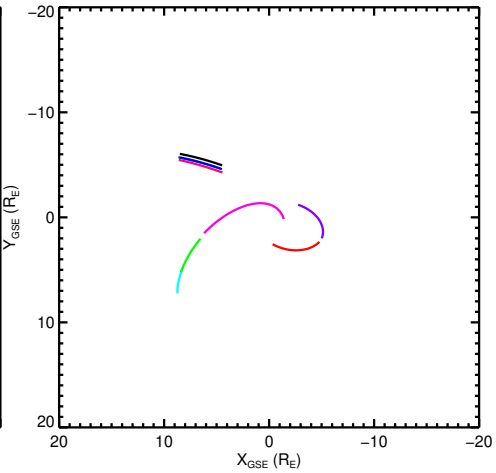


(e) 1900UT to 2205UT
inv pyk wal



ker

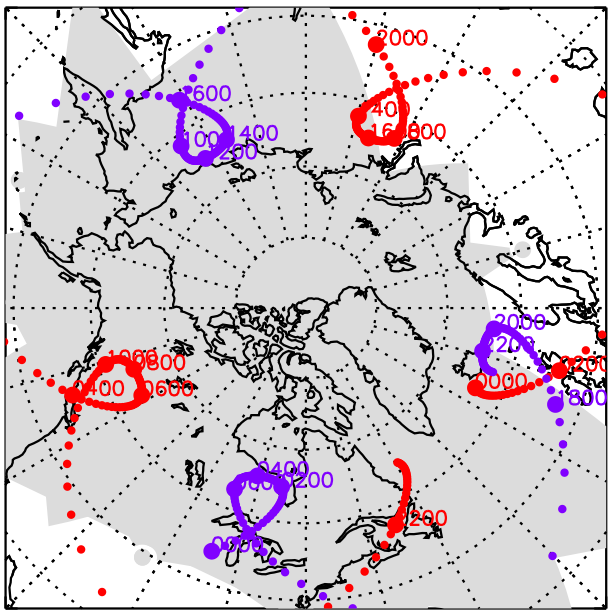


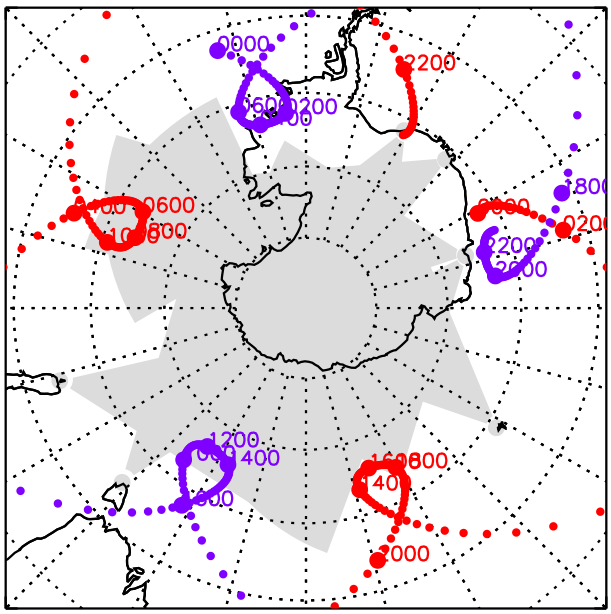


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

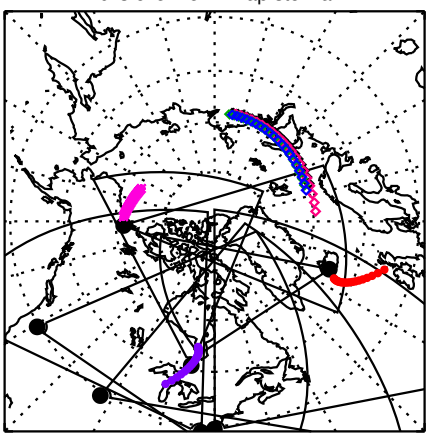
16–Mar–2015

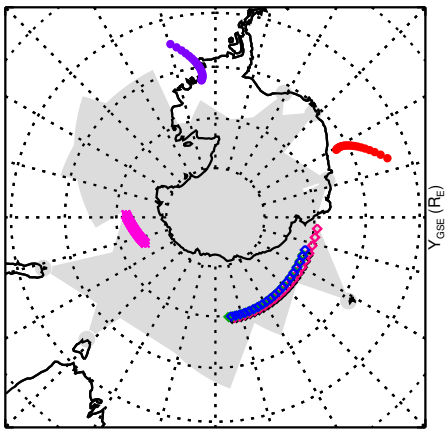
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

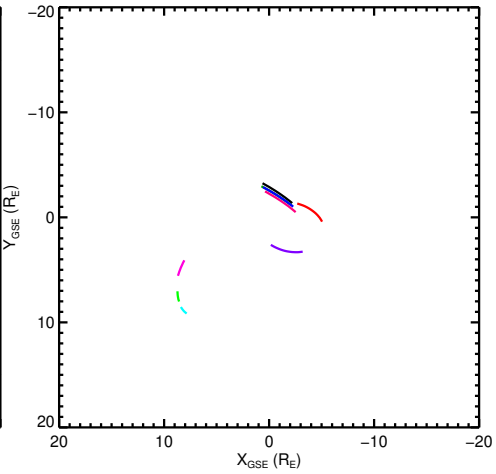




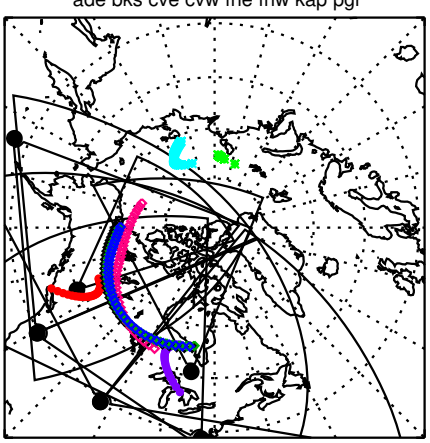
(a) 0010UT to 0155UT
bks cve fhe inv kap sto wal



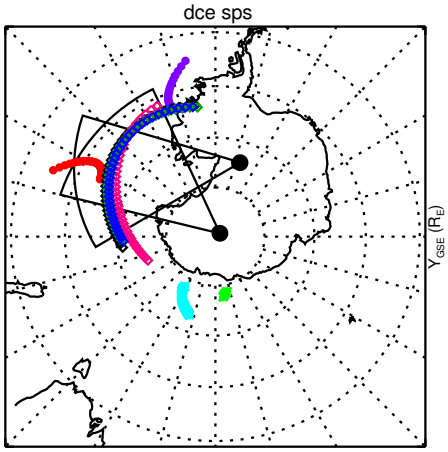


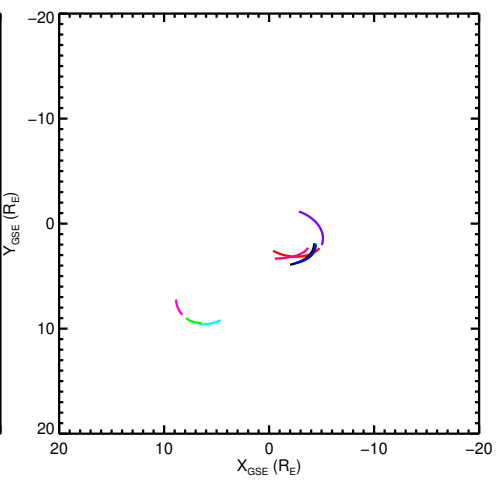


(b) 0400UT to 0705UT
ade bks cve cvw fhe fhw kap pgr

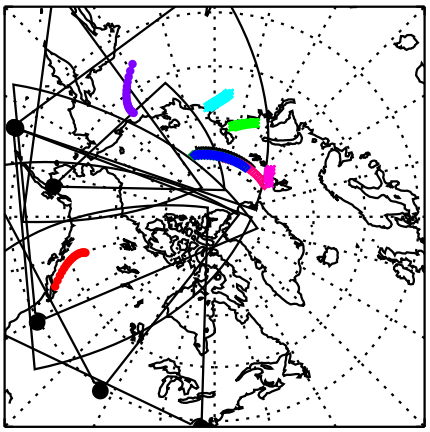


dce sps

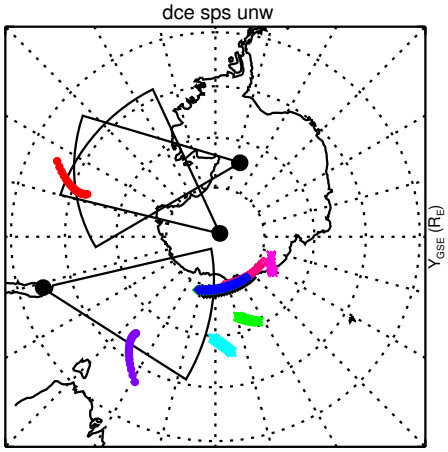


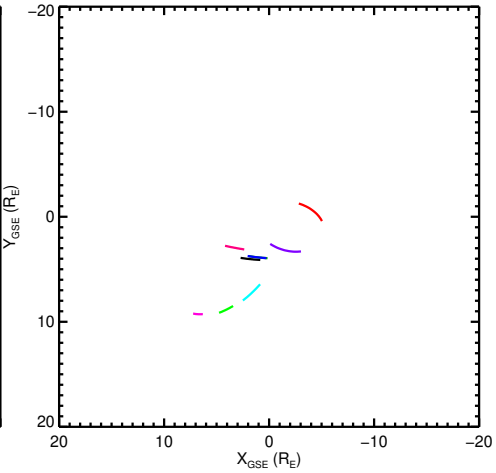


(c) 0910UT to 1050UT
ade adw bks cvw fhw hok ksr

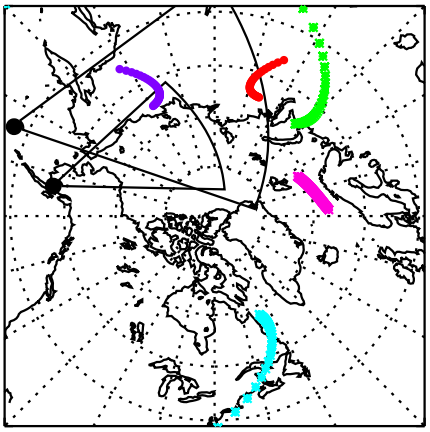


dce sps unw

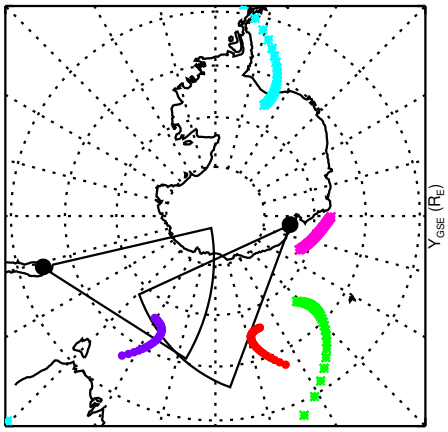


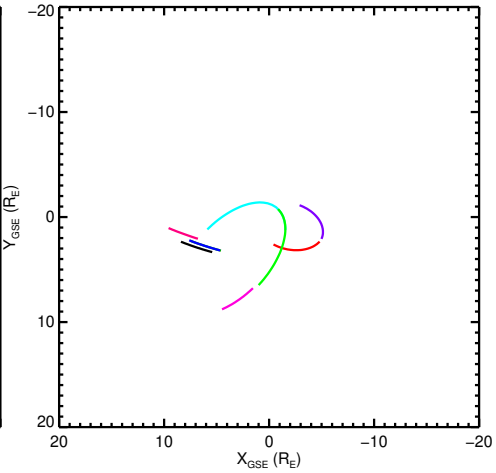


(d) 1300UT to 1605UT
adw ksr

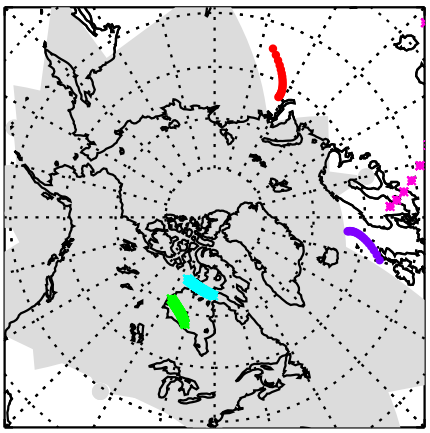


unw zho

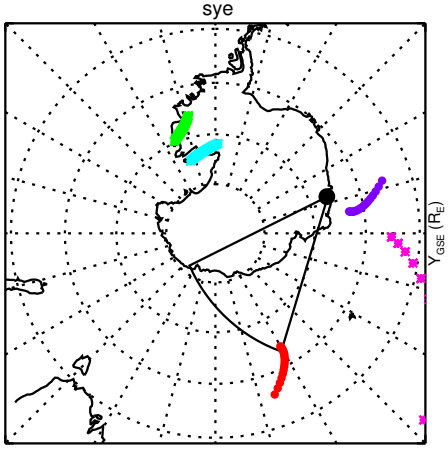


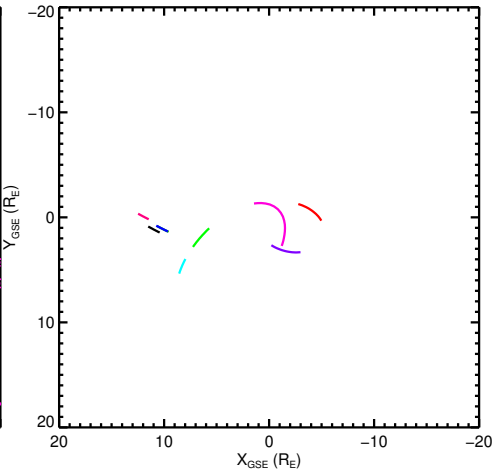


(e) 1815UT to 1950UT

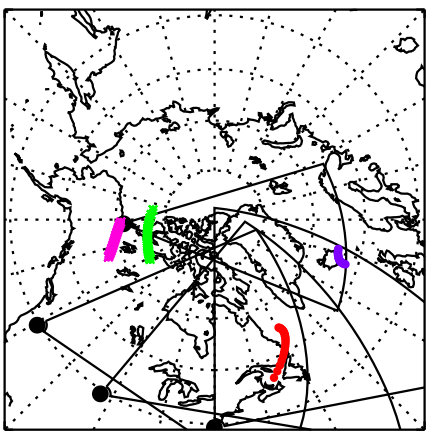


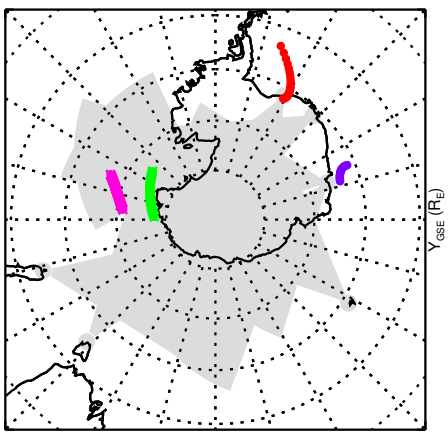
sye

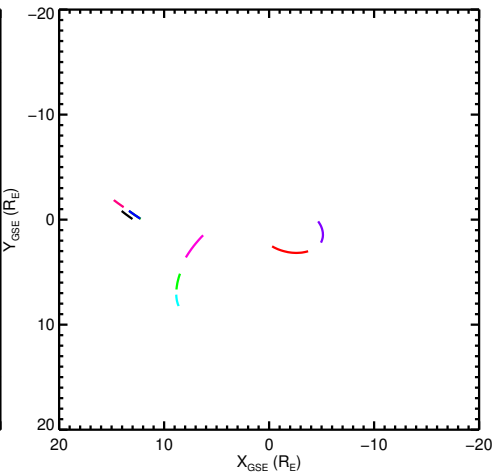




(f) 2155UT to 2355UT
cve fhe inv wal



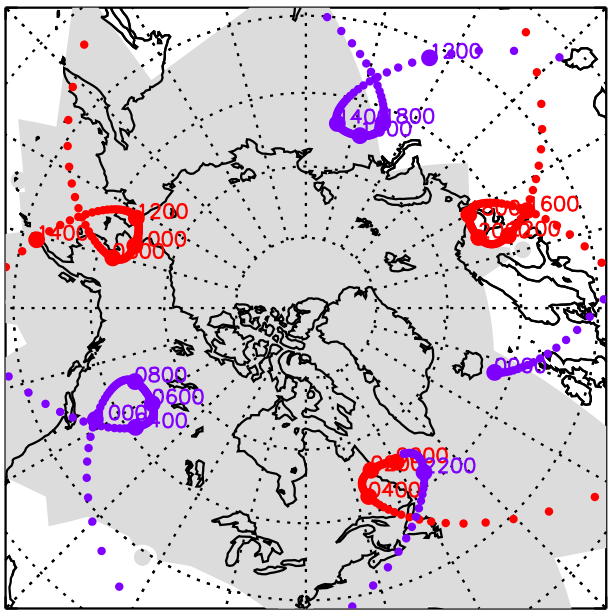


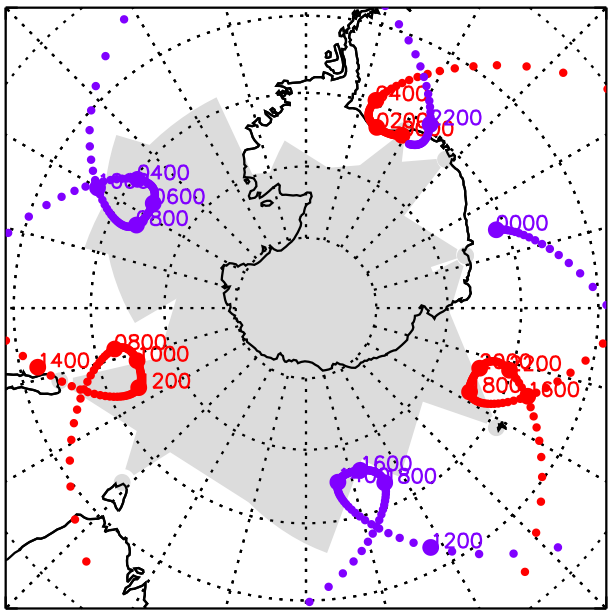


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

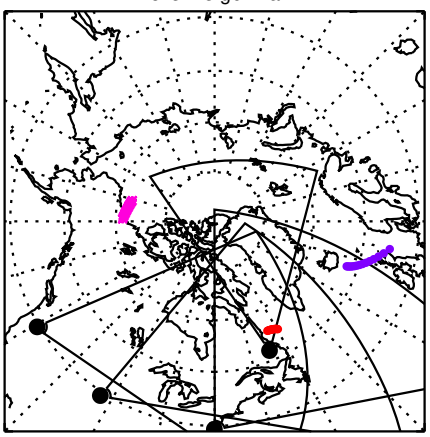
17–Mar–2015

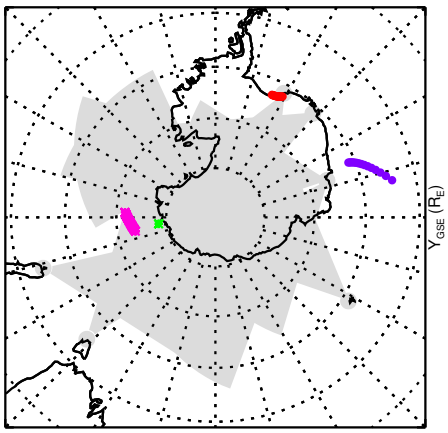
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

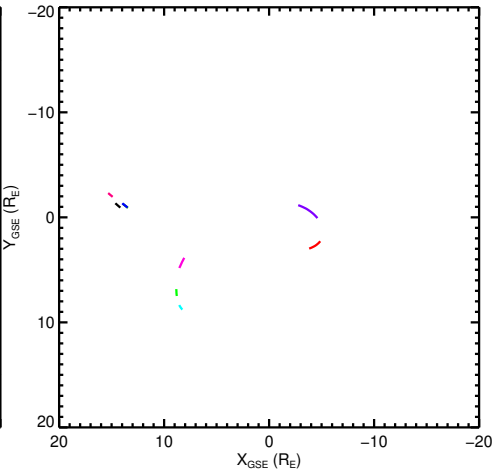




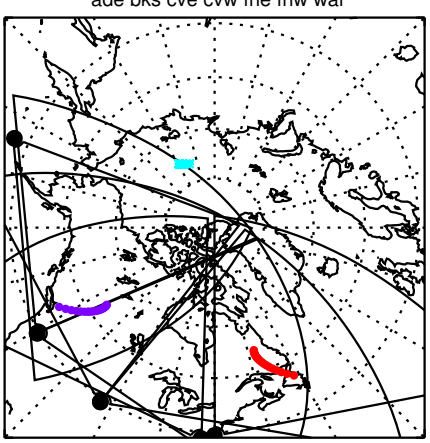
(a) 0000UT to 0110UT
cve fhe gbr wal



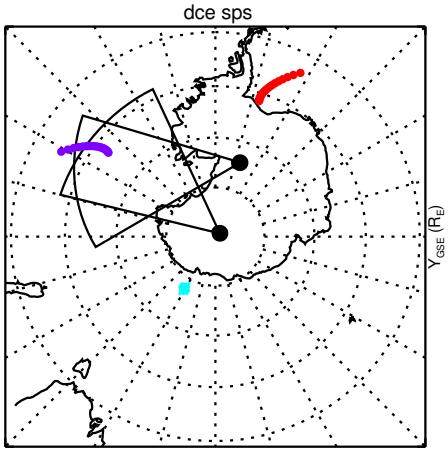


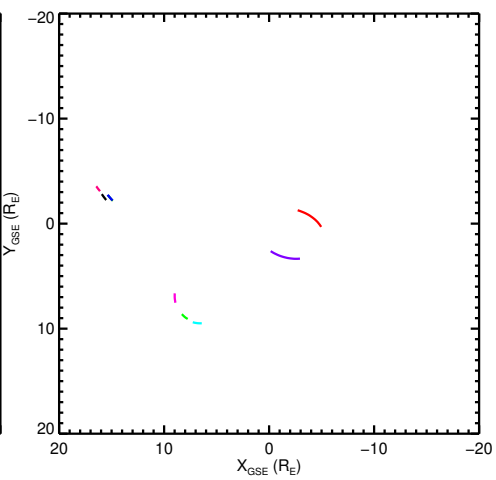


(b) 0315UT to 0450UT
ade bks cve cvw fhe fhw wal



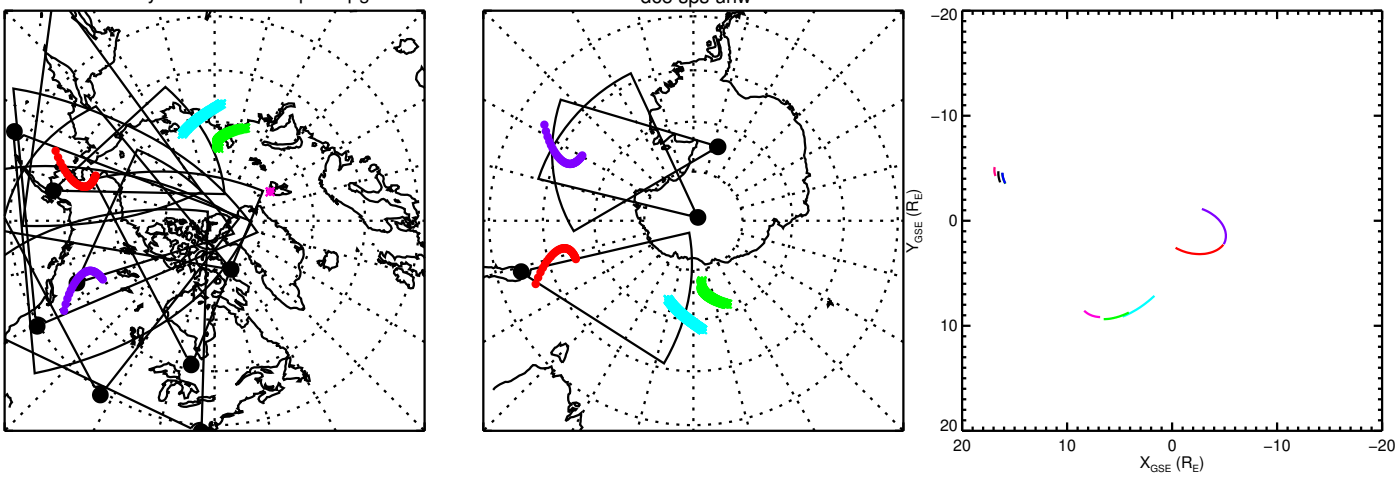
dce sps





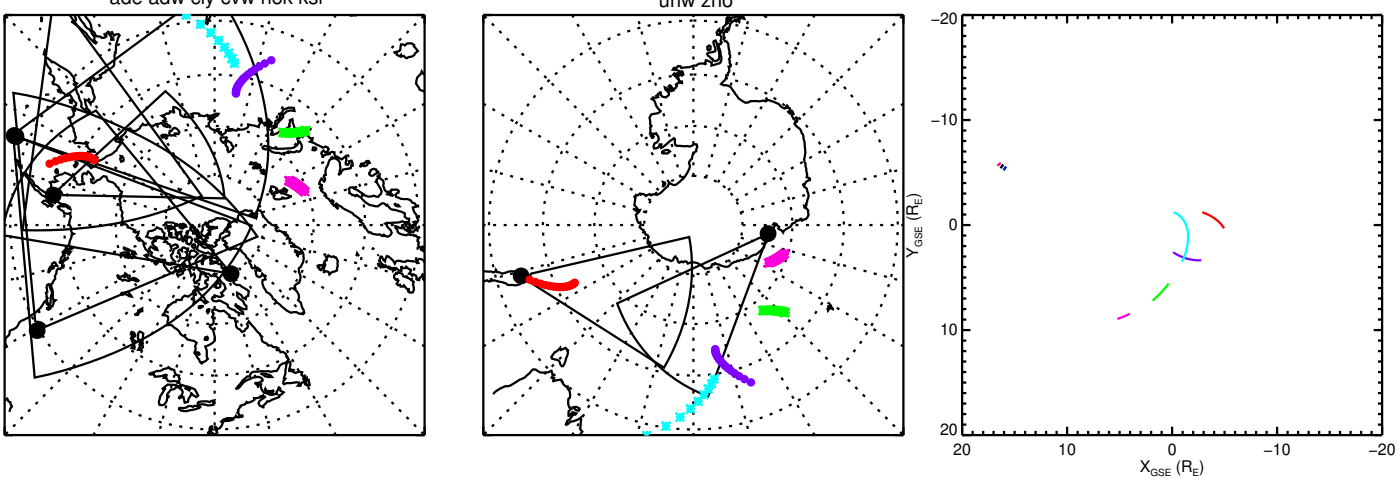
(c) 0655UT to 1010UT
ade bks cly cvw fhw hok kap ksr pgr

dce sps unw



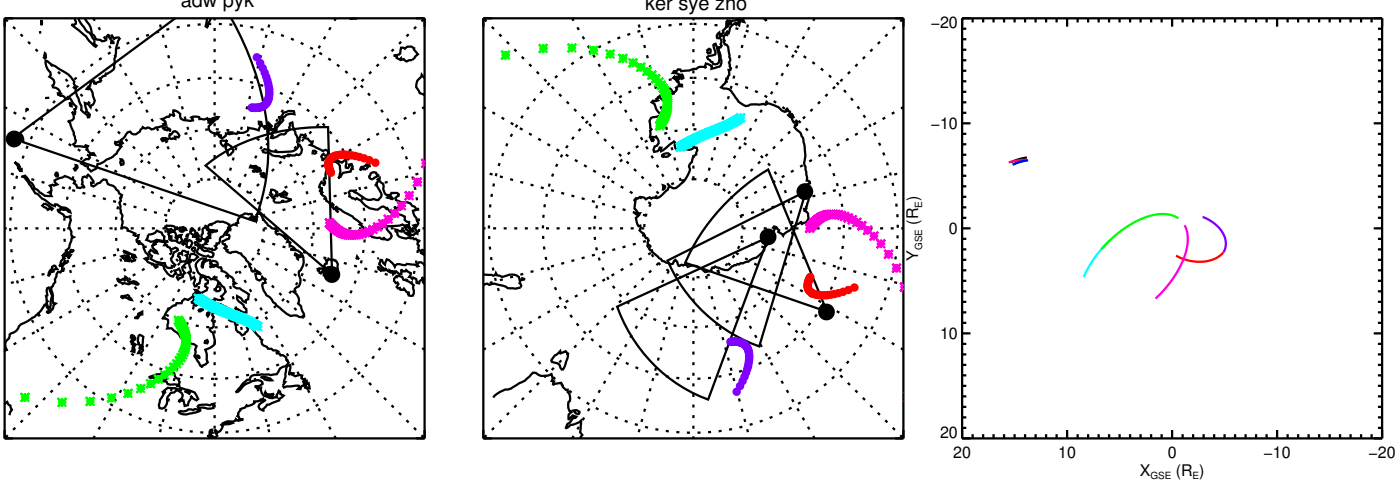
(d) 1215UT to 1345UT
ade adw cly cvw hok ksr

unw zho

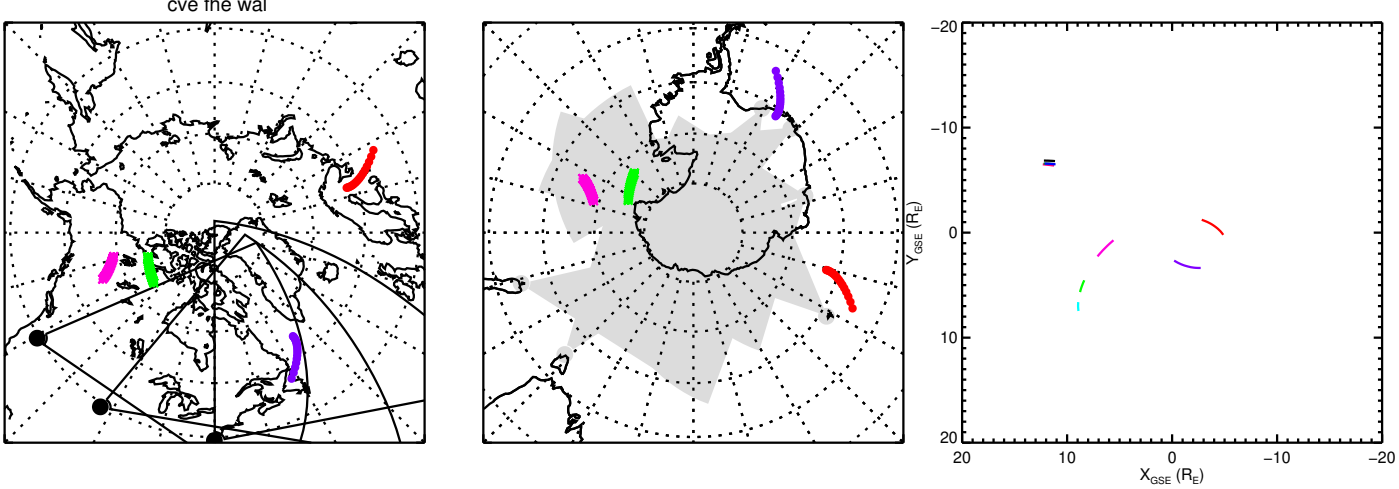


(e) 1555UT to 1910UT
adw pyk

ker sye zho



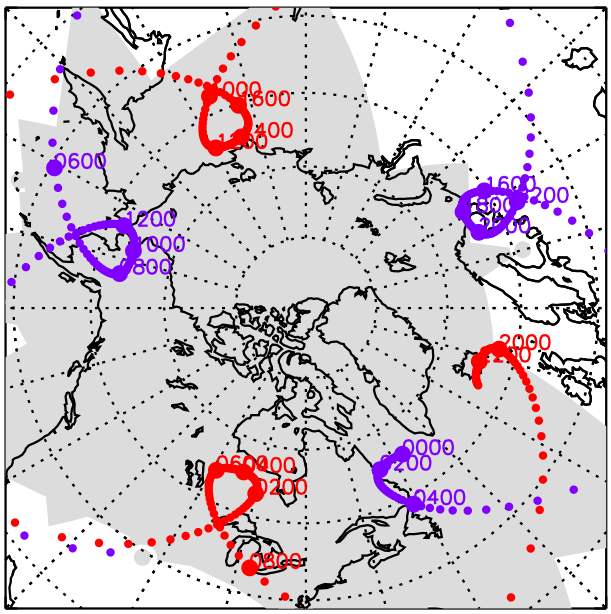
(f) 2120UT to 2245UT
cve fhe wal

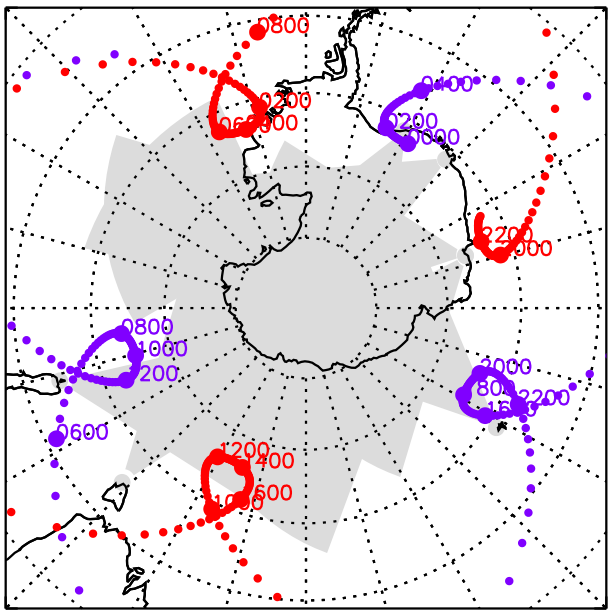


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

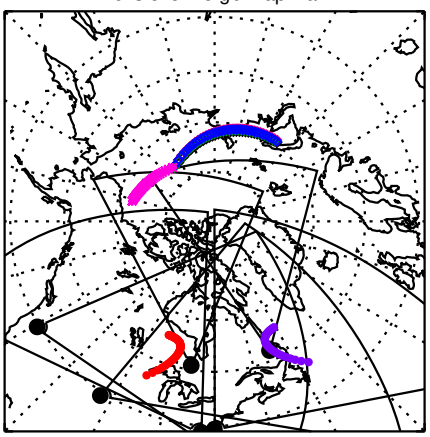
18–Mar–2015

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

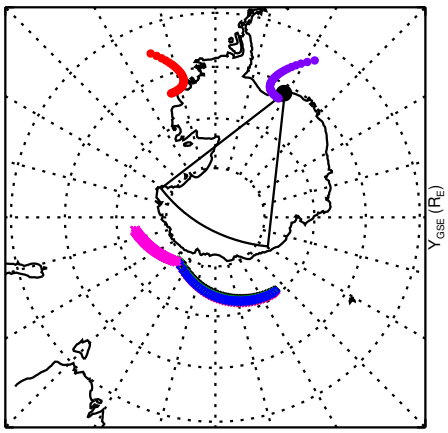


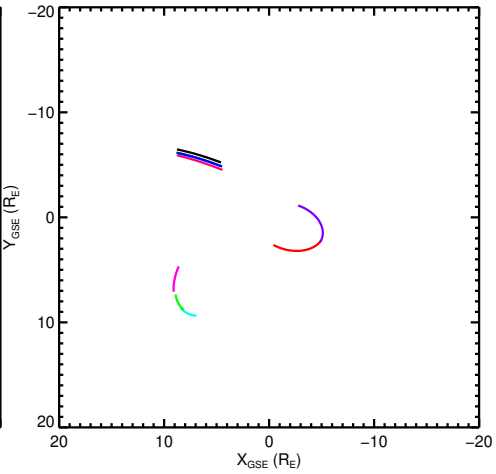


(a) 0055UT to 0415UT
bks cve fhe gbr kap wal

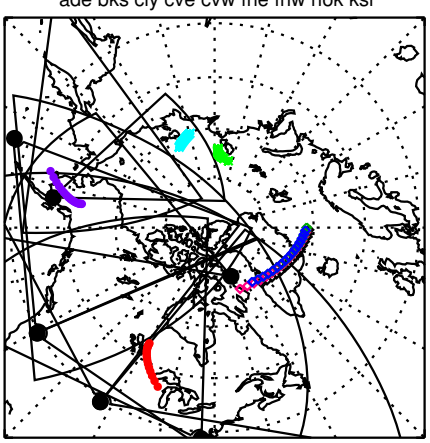


hal

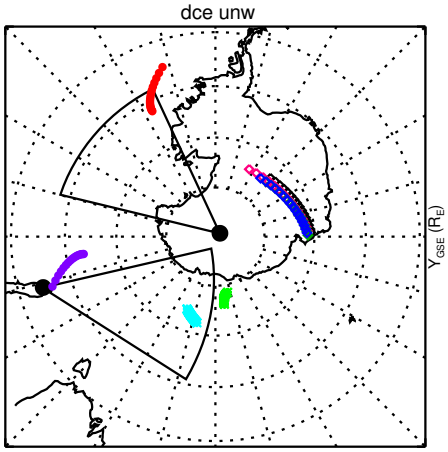


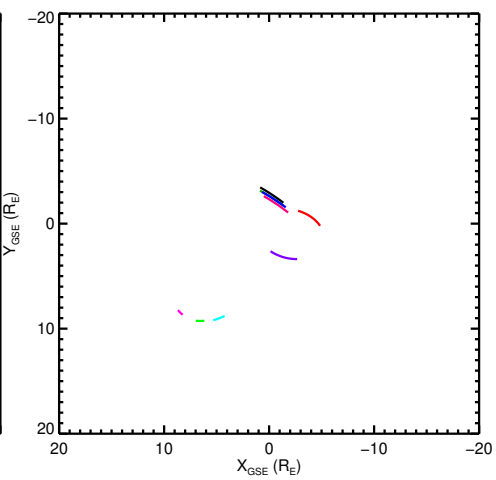


(b) 0620UT to 0745UT
ade bks cly cve cvw fhe fhw hok ksr

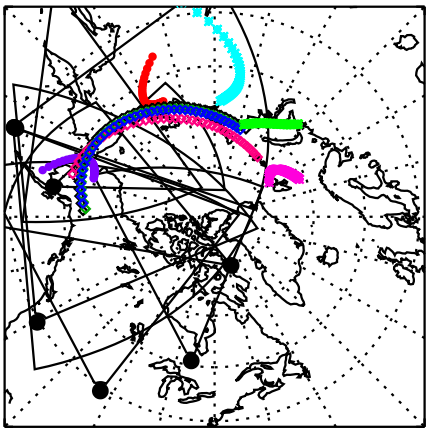


dce unw

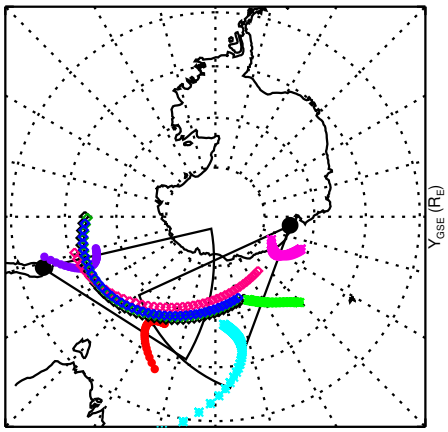


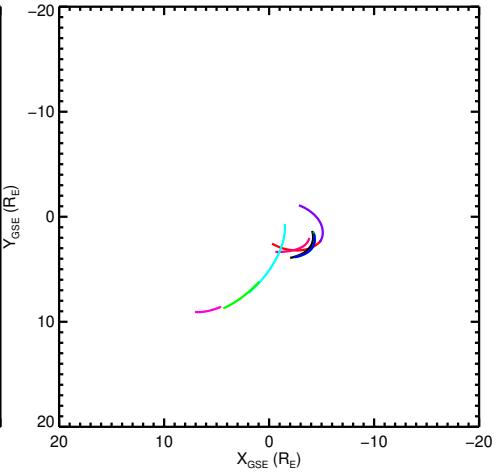


(c) 0950UT to 1315UT
ade adw cly cvw fhw hok kap ksr

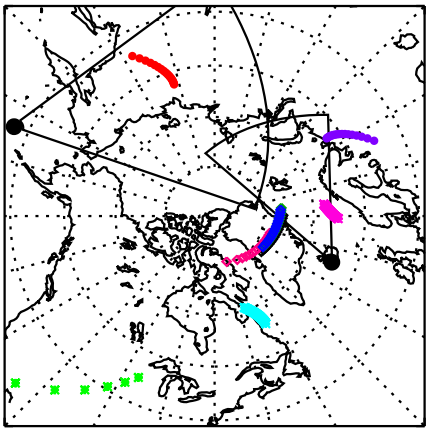


unw zho

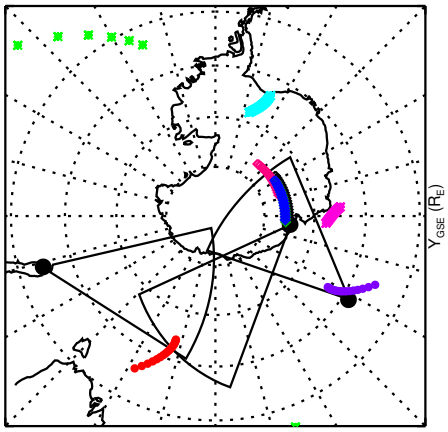


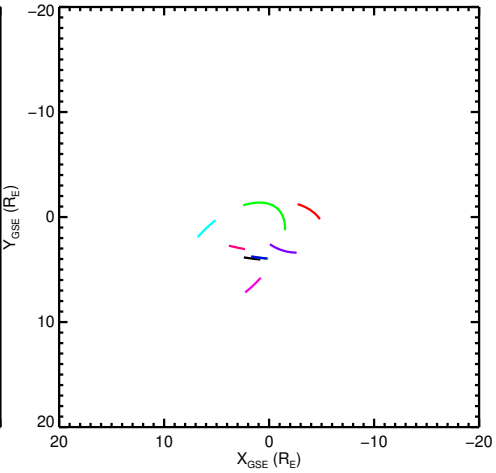


(d) 1520UT to 1645UT
adw pyk

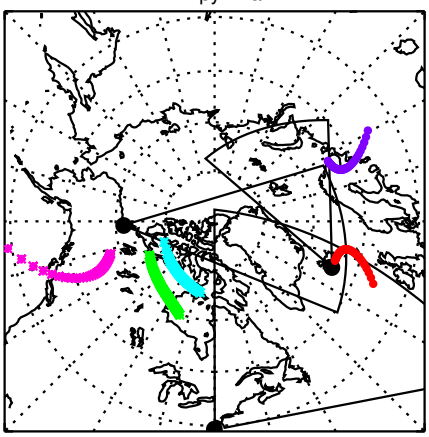


ker unw zho

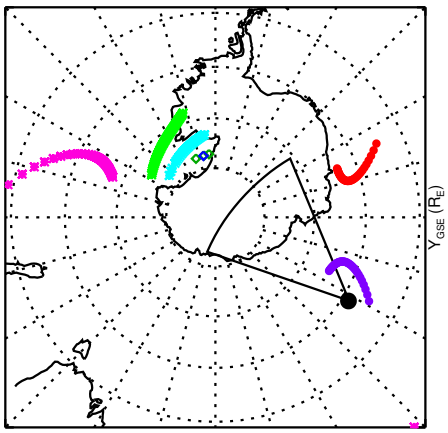


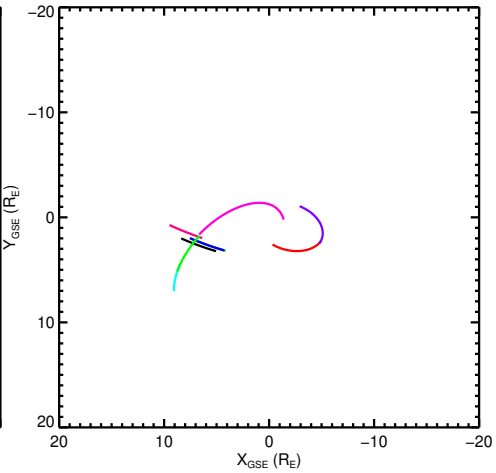


(e) 1850UT to 2215UT
inv pyk wal



ker

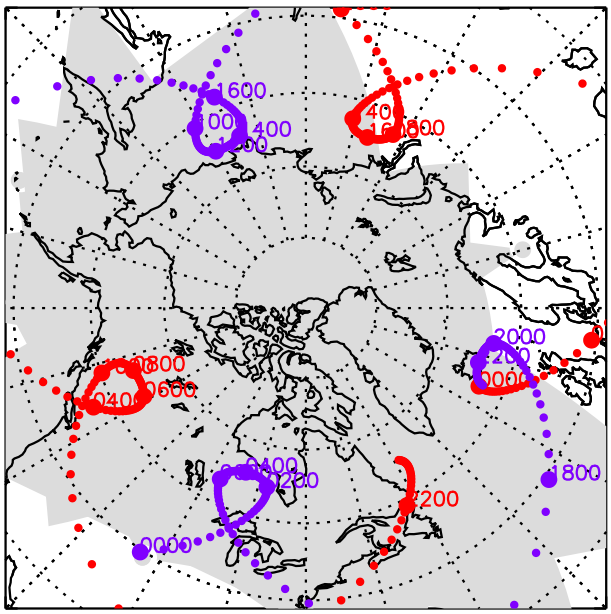


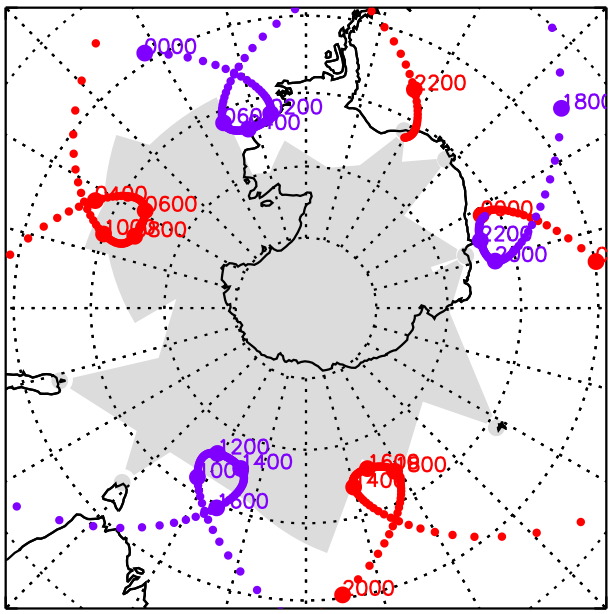


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

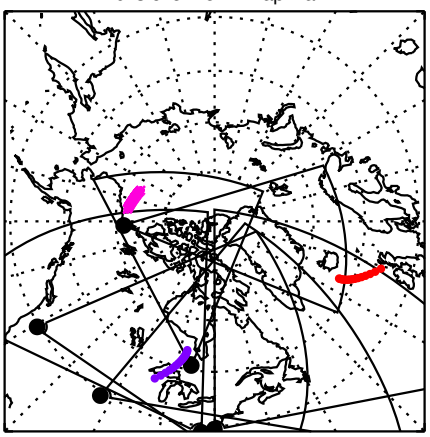
19–Mar–2015

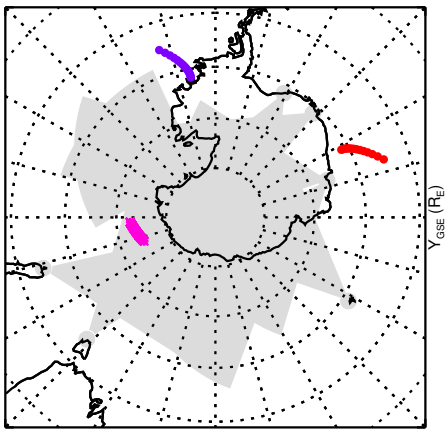
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

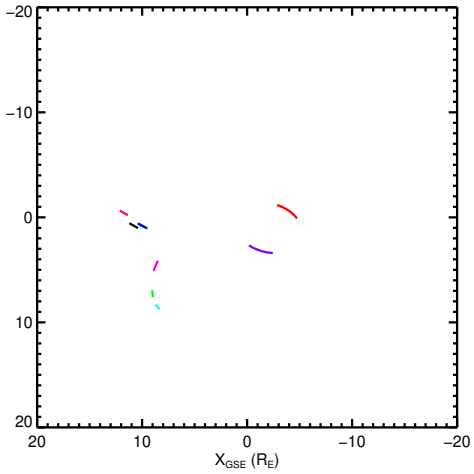




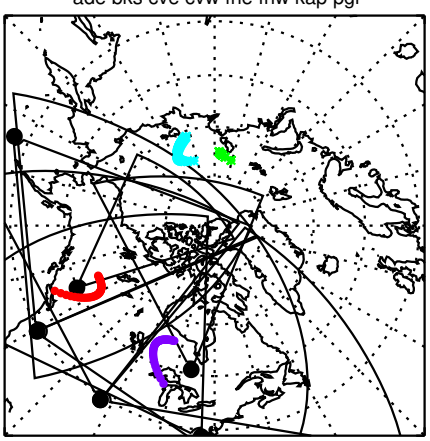
(a) 0025UT to 0140UT
bks cve fhe inv kap wal



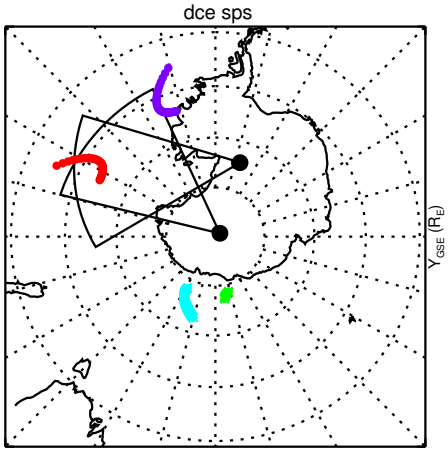


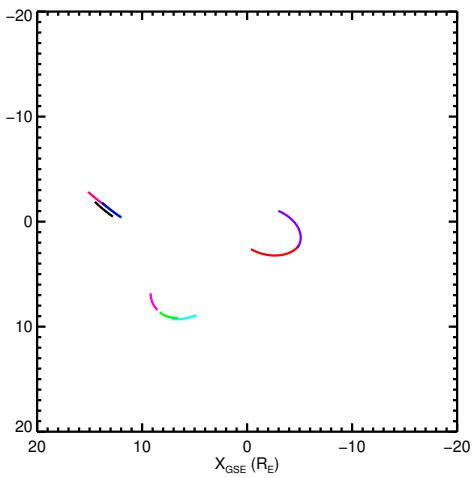


(b) 0350UT to 0715UT
ade bks cve cvw fhe fhw kap pgr

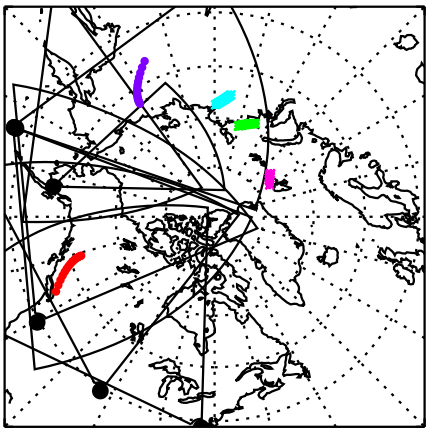


dce sps

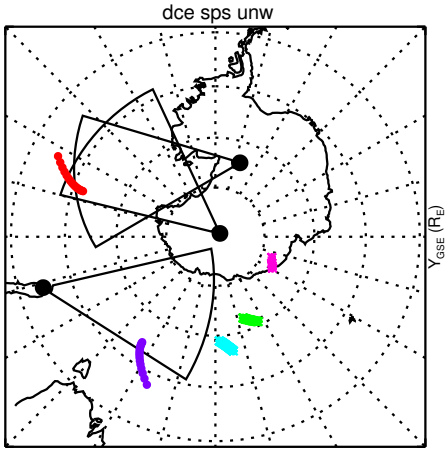


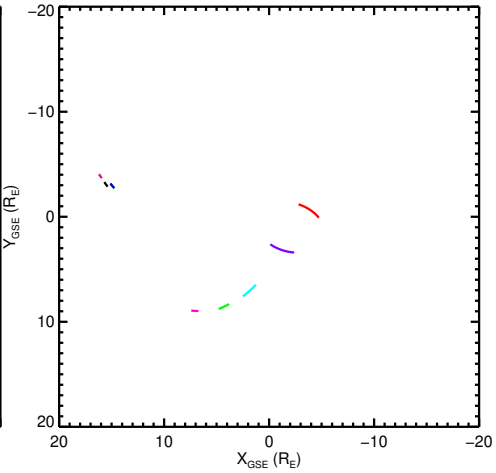


(c) 0925UT to 1040UT
ade adw bks cvw fhw hok ksr

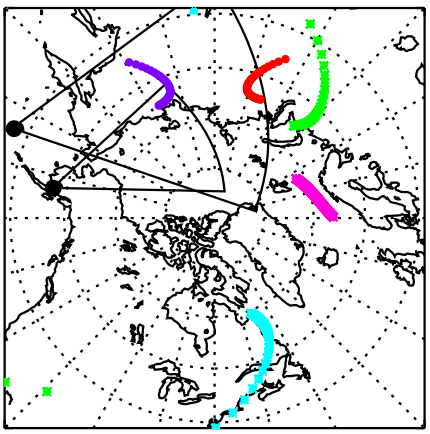


dce sps unw

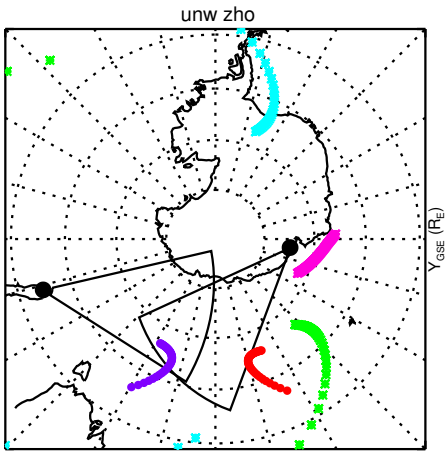


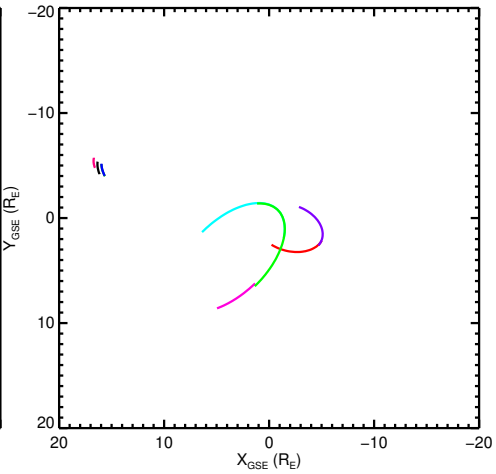


(d) 1245UT to 1620UT
adw ksr

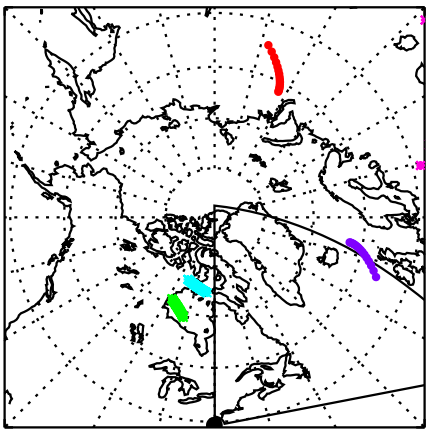


unw zho

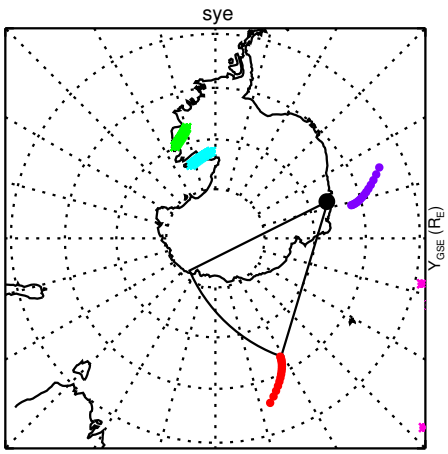


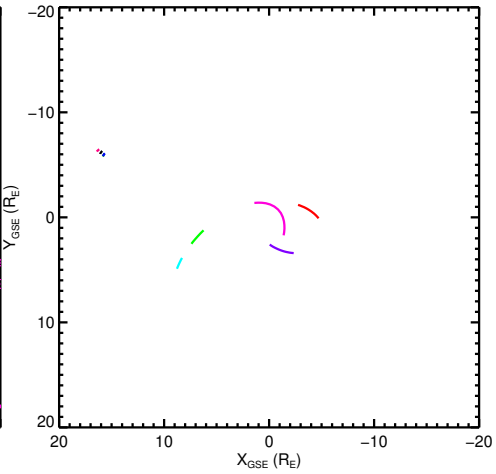


(e) 1825UT to 1940UT
wal

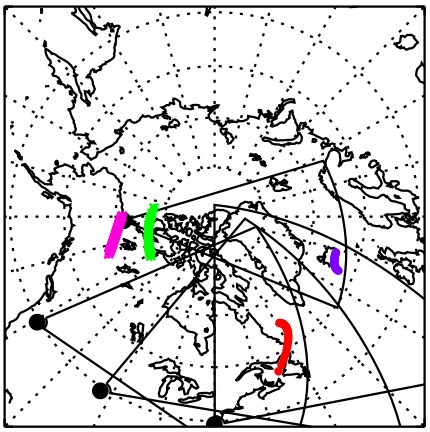


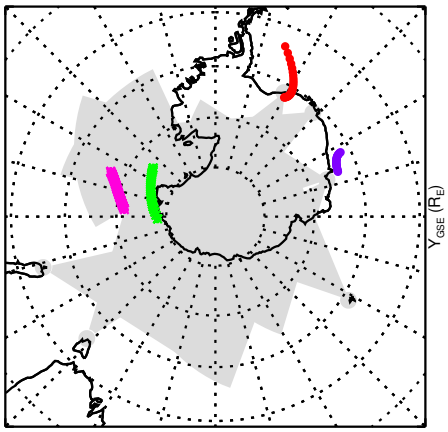
sye

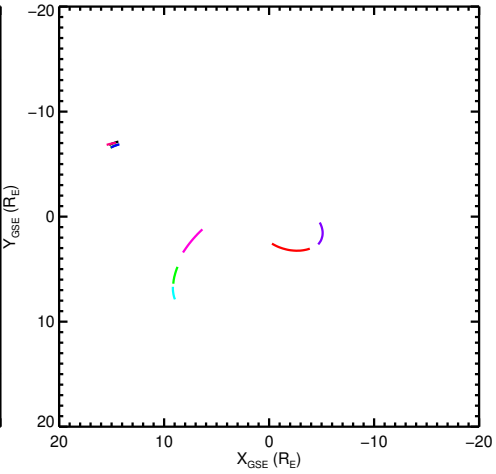




(f) 2145UT to 2355UT
cve fhe inv wal



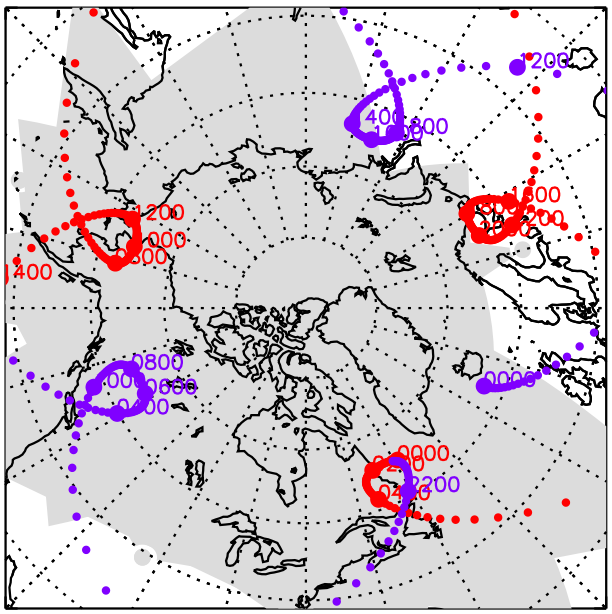


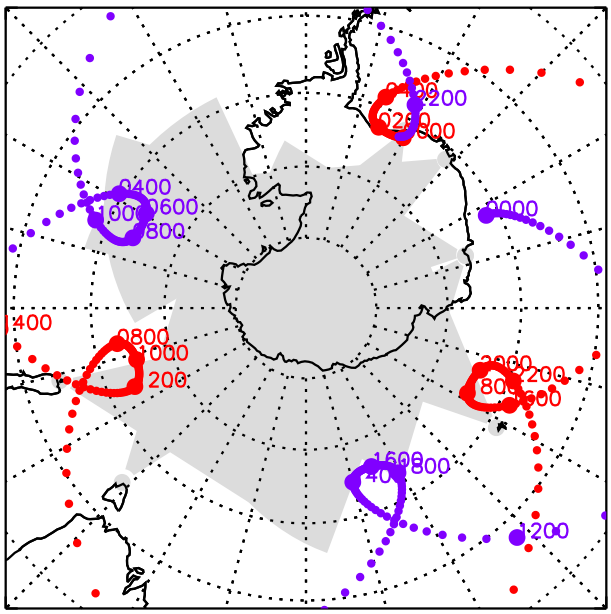


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

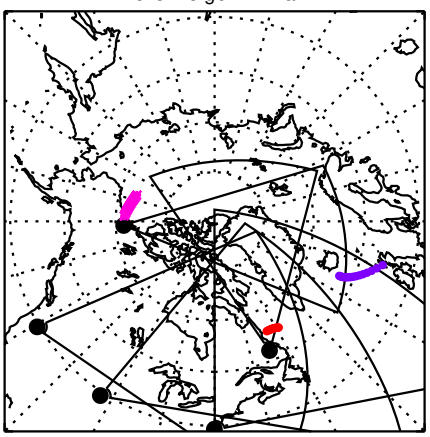
20–Mar–2015

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

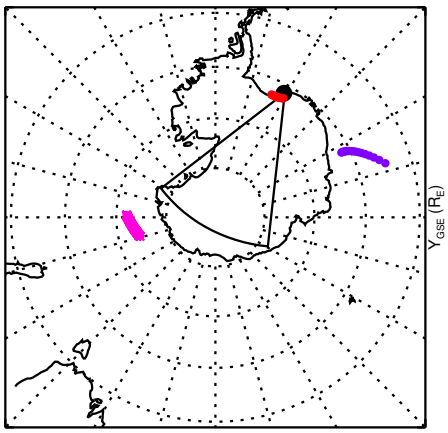


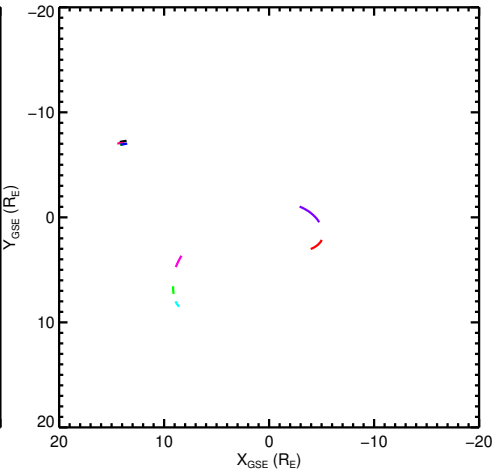


(a) 0000UT to 0120UT
cve fhe gbr inv wal

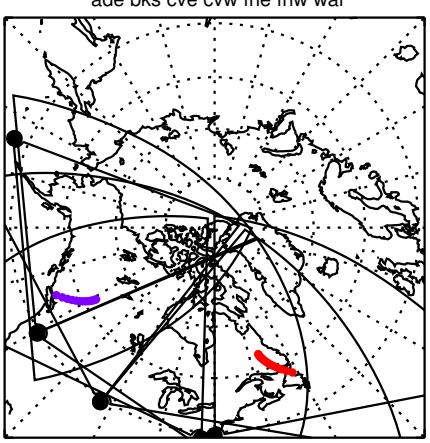


hal

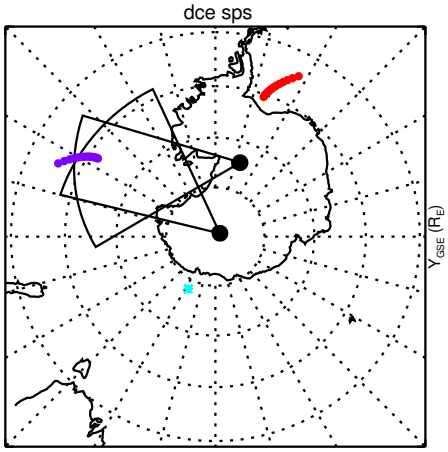


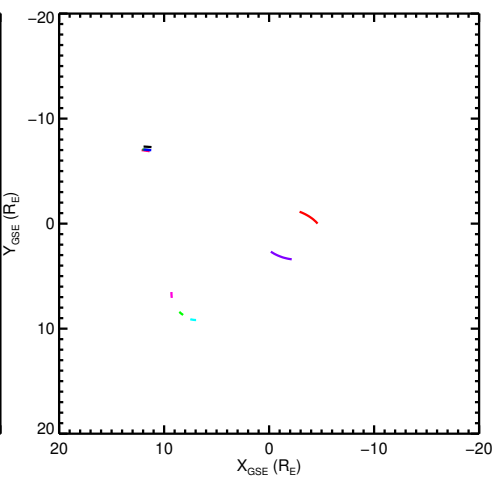


(b) 0330UT to 0435UT
ade bks cve cvw fhe fhw wal

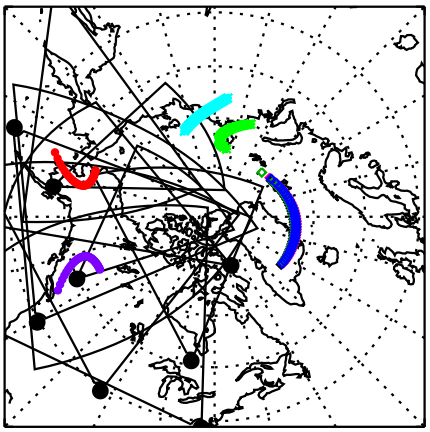


dce sps

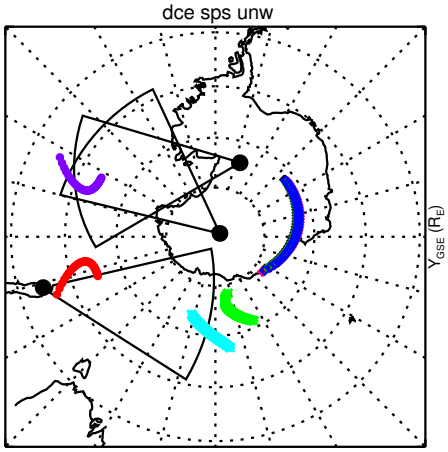


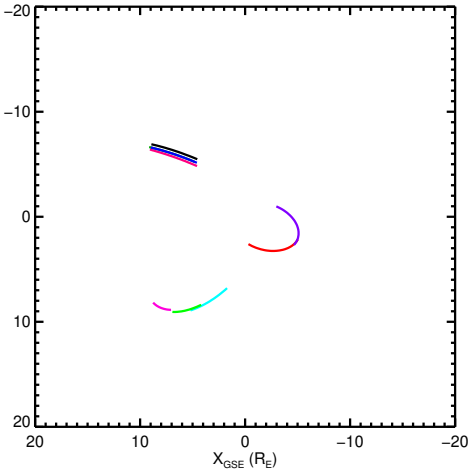


(c) 0645UT to 1020UT
ade bks cly cvw fhw hok kap ksr pgr

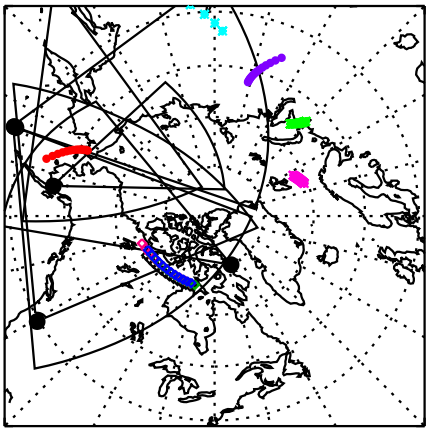


dce sps unw

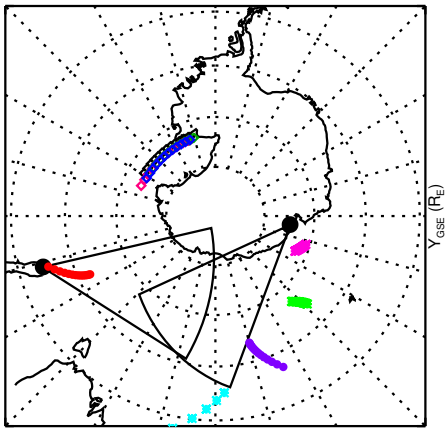


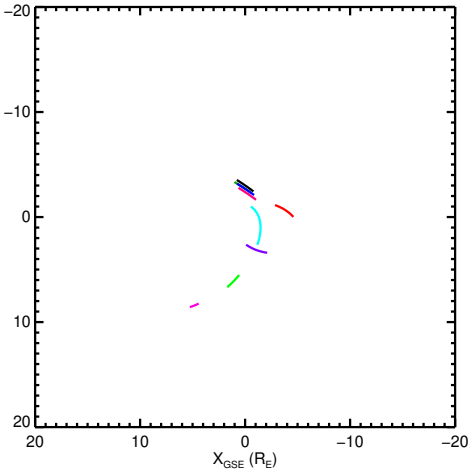


(d) 1230UT to 1335UT
ade adw cly cvw hok ksr

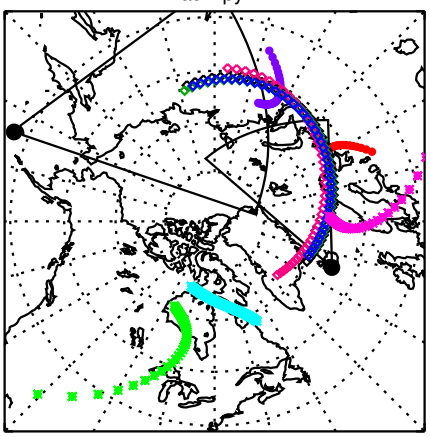


unw zho

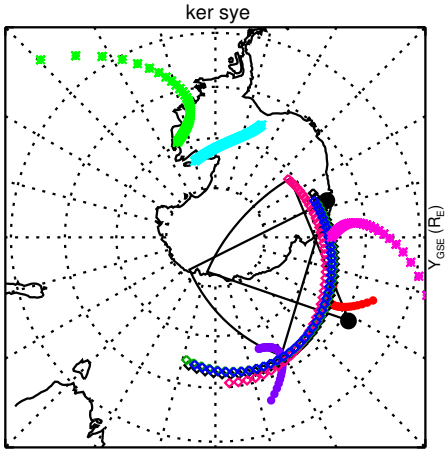


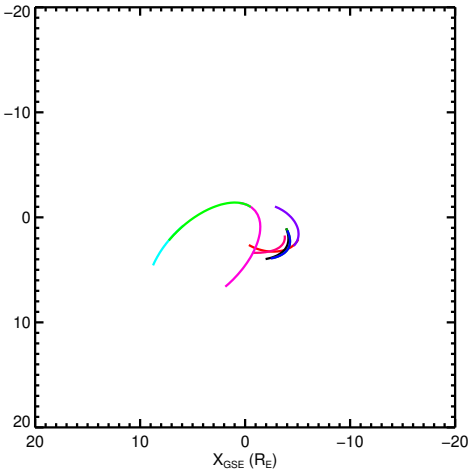


(e) 1545UT to 1925UT
adw pyk

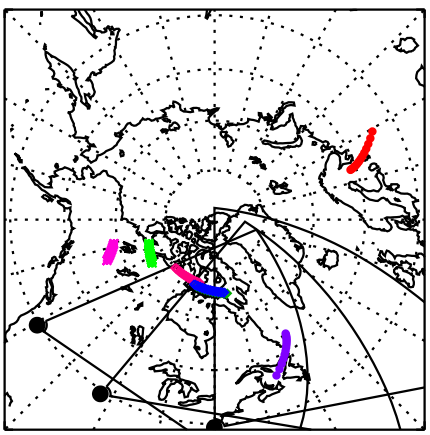


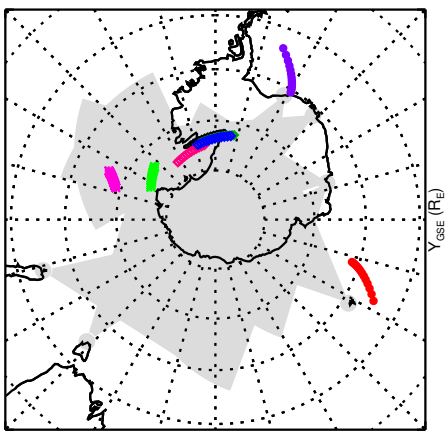
ker sye

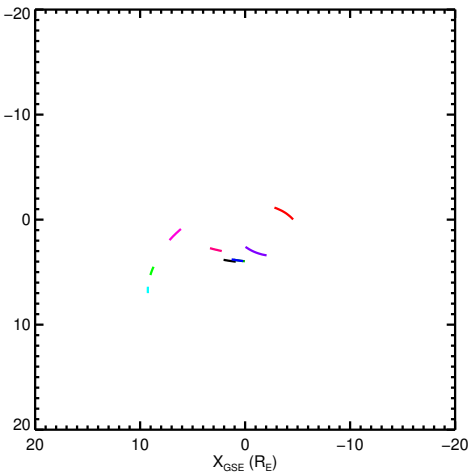




(f) 2130UT to 2235UT
cve fhe wal



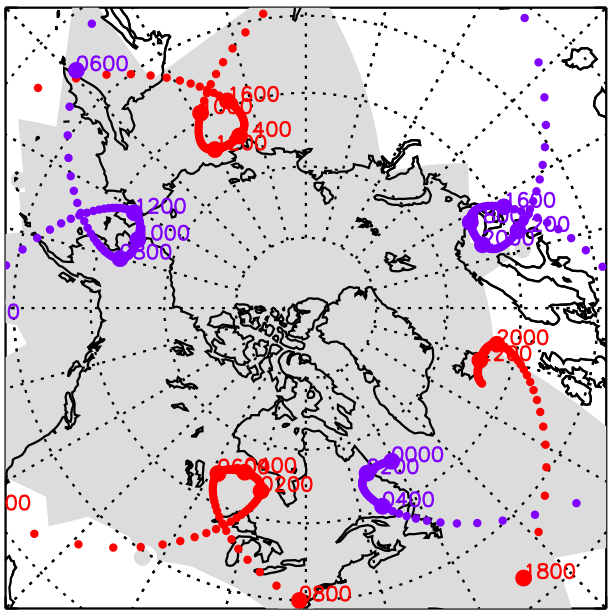


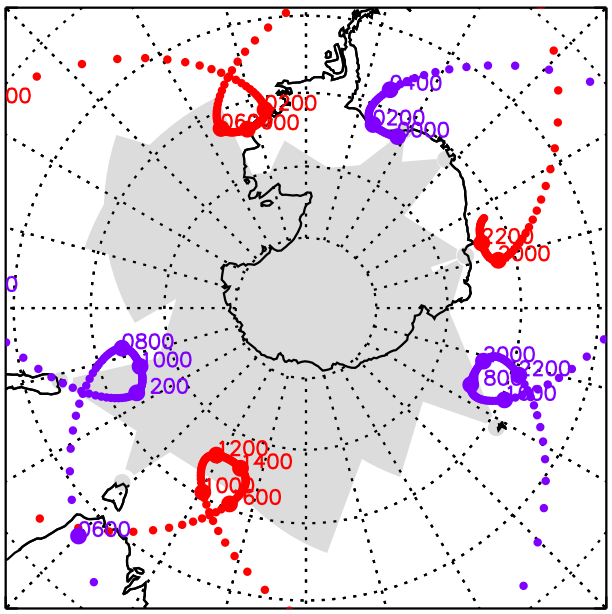


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

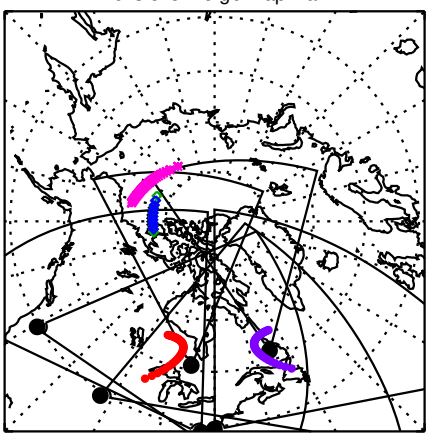
21−Mar−2015

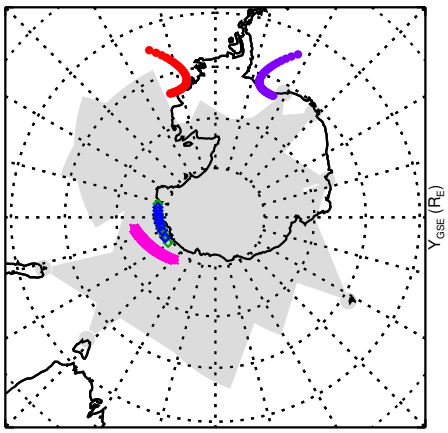
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

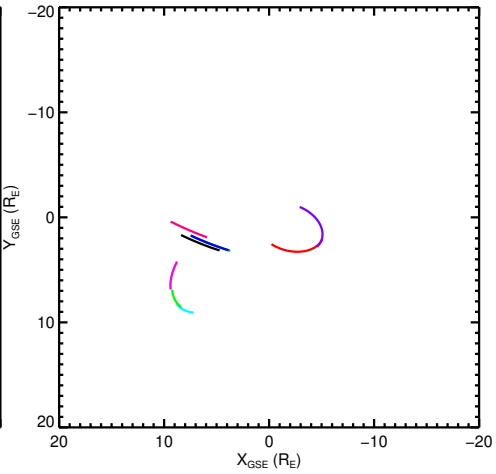




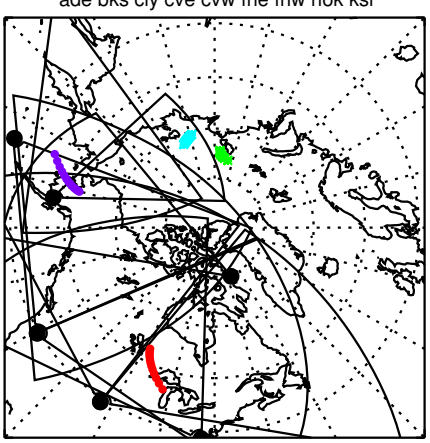
(a) 0040UT to 0425UT
bks cve fhe gbr kap wal



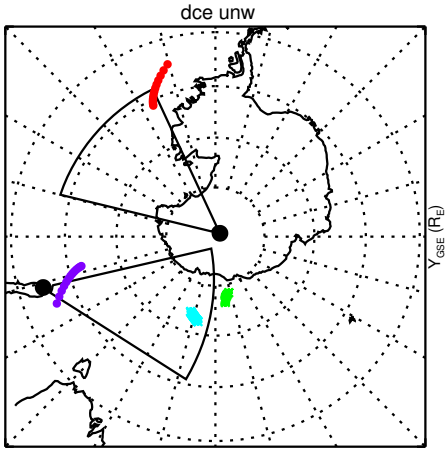


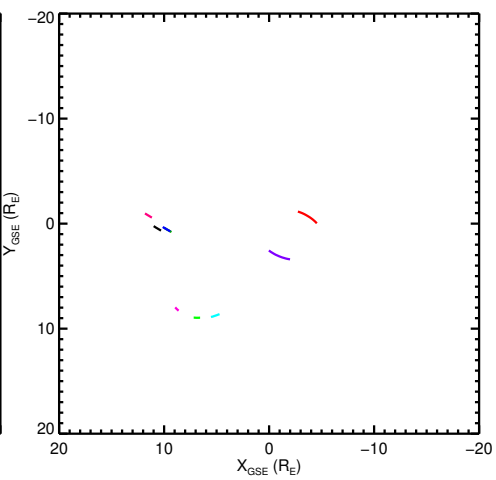


(b) 0630UT to 0735UT
ade bks cly cve cvw fhe fhw hok ksr

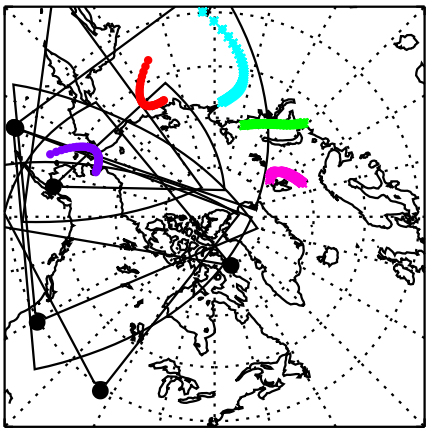


dce unw

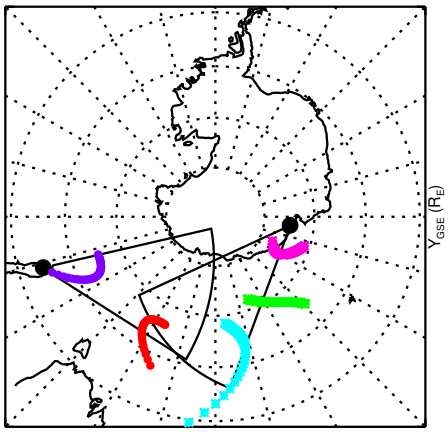


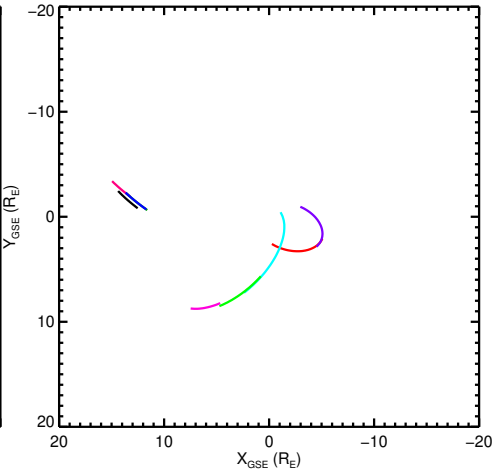


(c) 0940UT to 1325UT
ade adw cly cvw fhw hok ksr

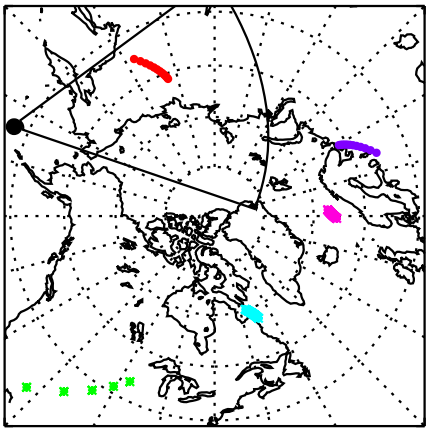


unw zho

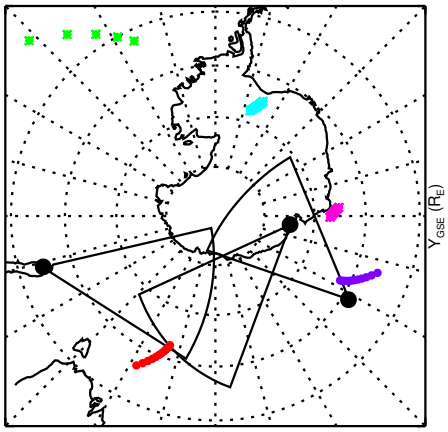


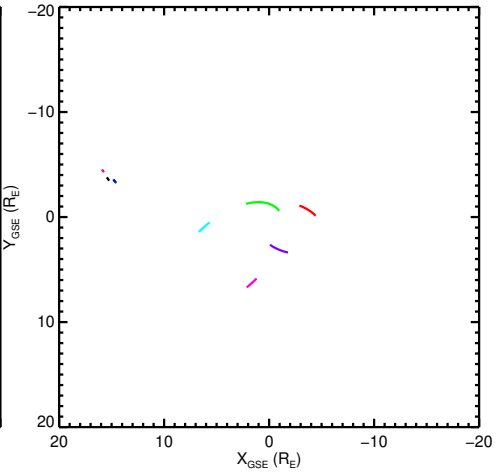


(d) 1535UT to 1630UT
adw

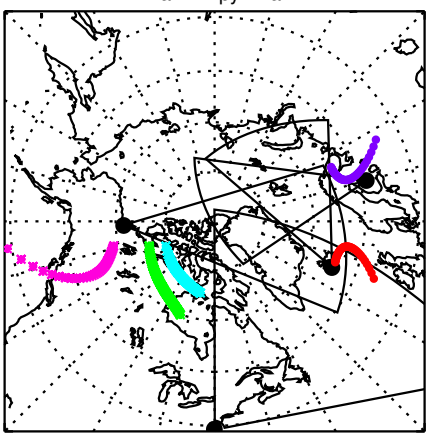


ker unw zho

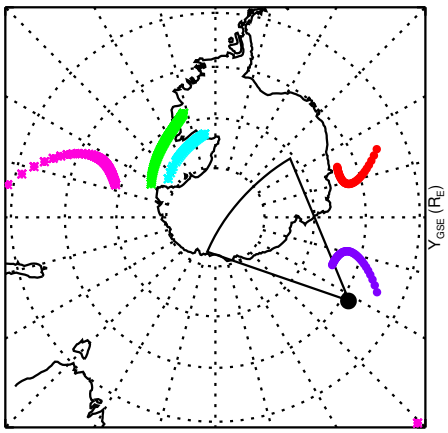


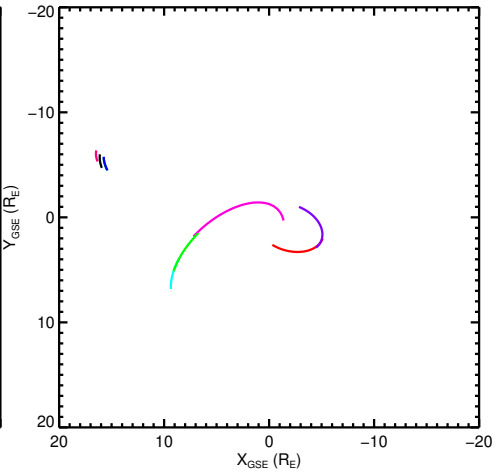


(e) 1840UT to 2230UT
han inv pyk wal



ker

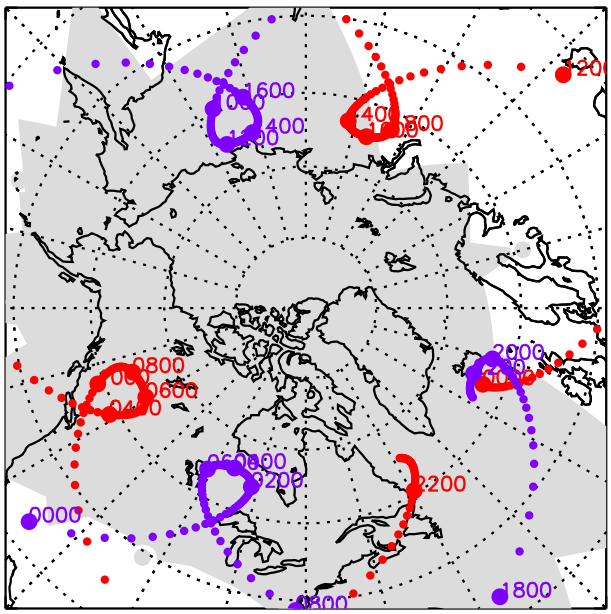


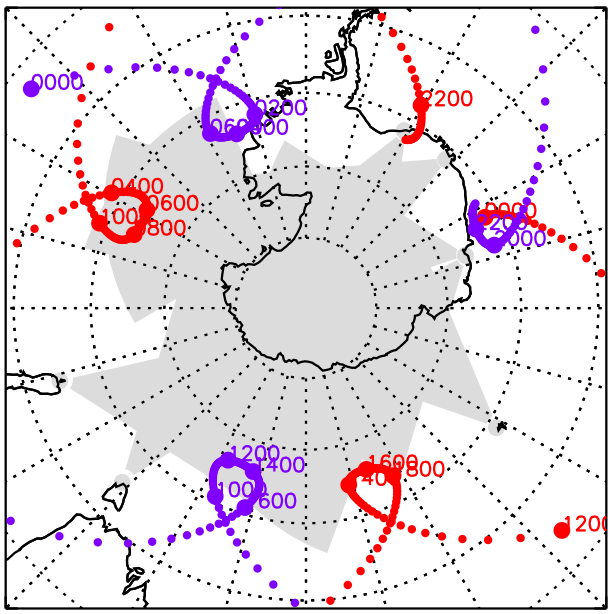


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

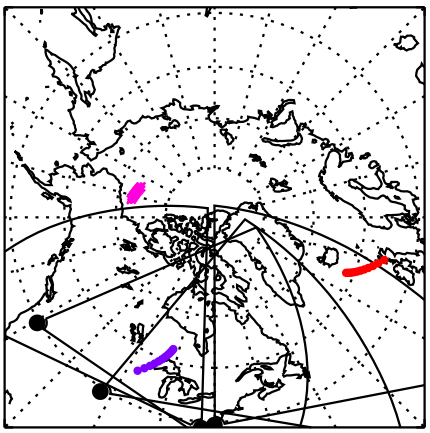
22–Mar–2015

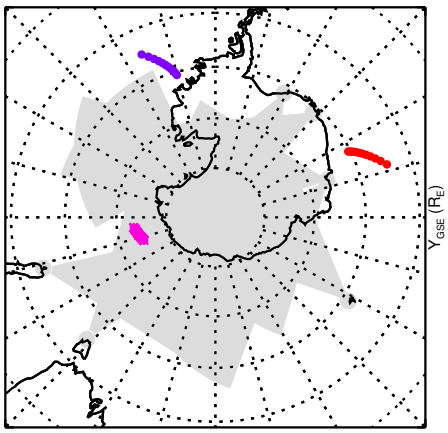
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

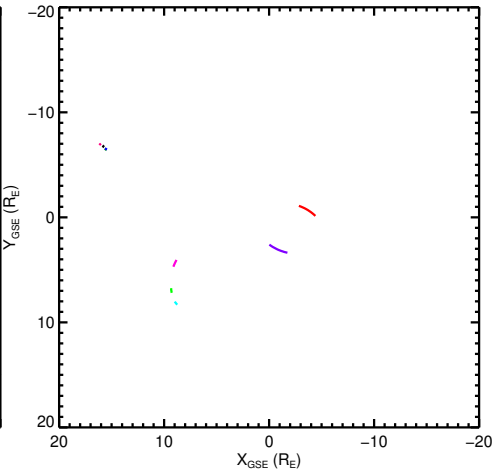




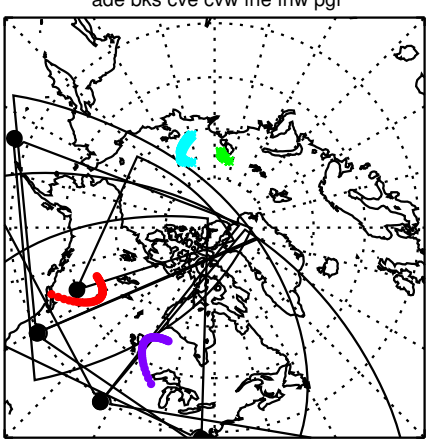
(a) 0035UT to 0130UT
bks cve fhe wal



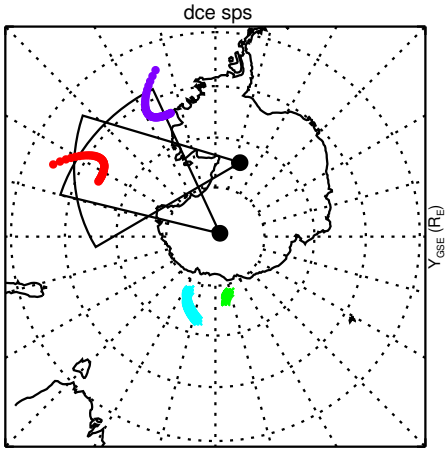


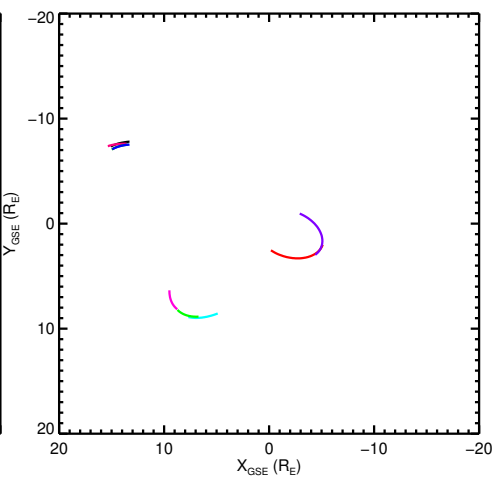


(b) 0335UT to 0730UT
ade bks cve cvw fhe fhw pgr



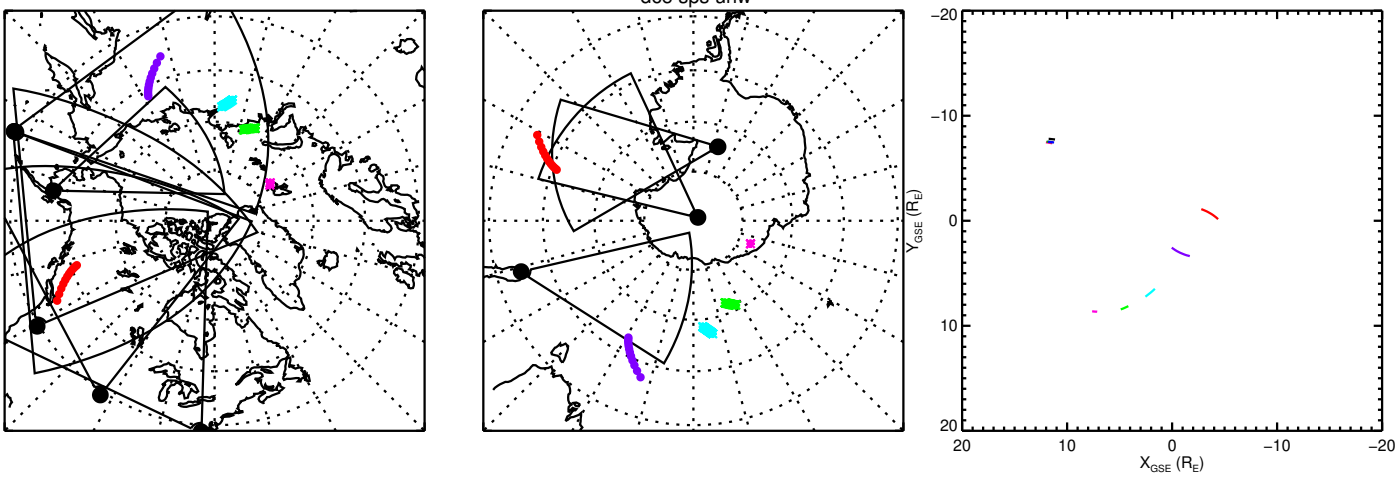
dce sps





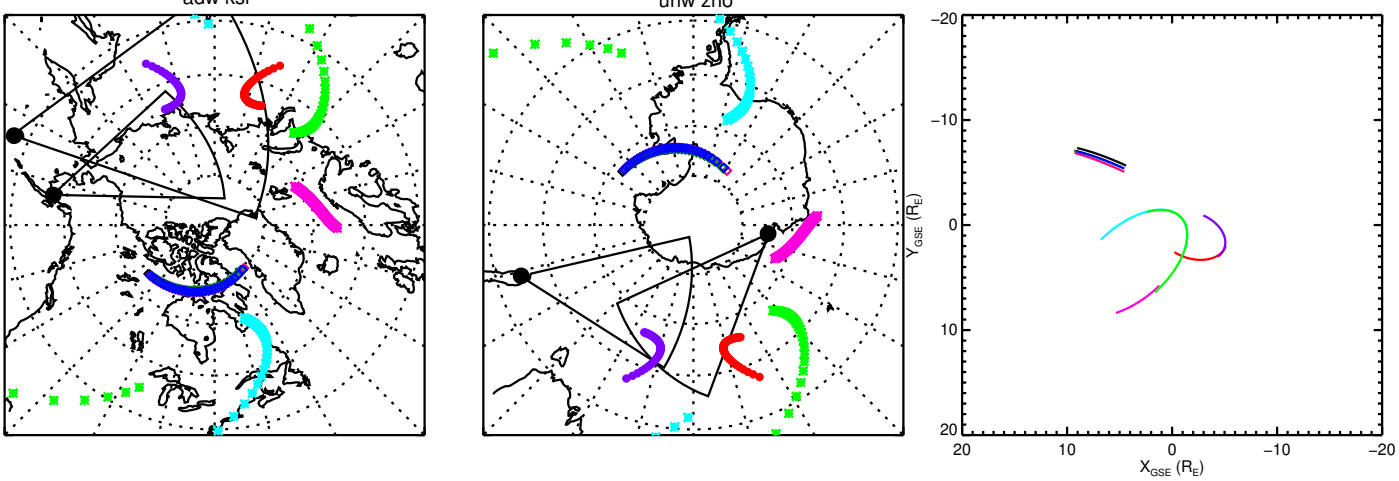
(c) 0935UT to 1030UT
ade adw bks cvw fhw ksr

dce sps unw

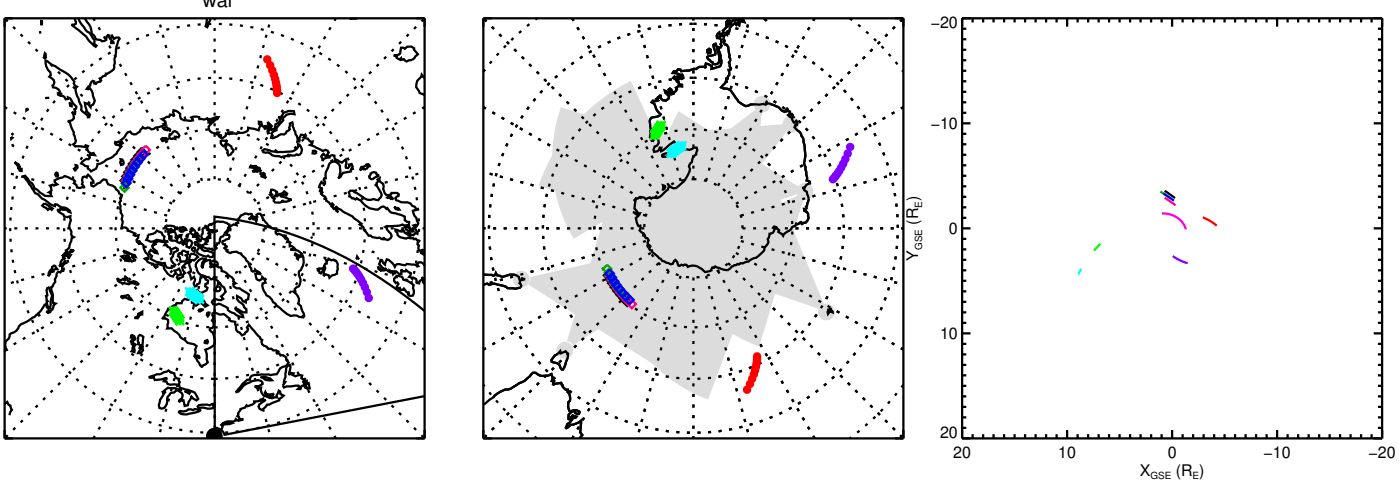


(d) 1235UT to 1630UT
adw ksr

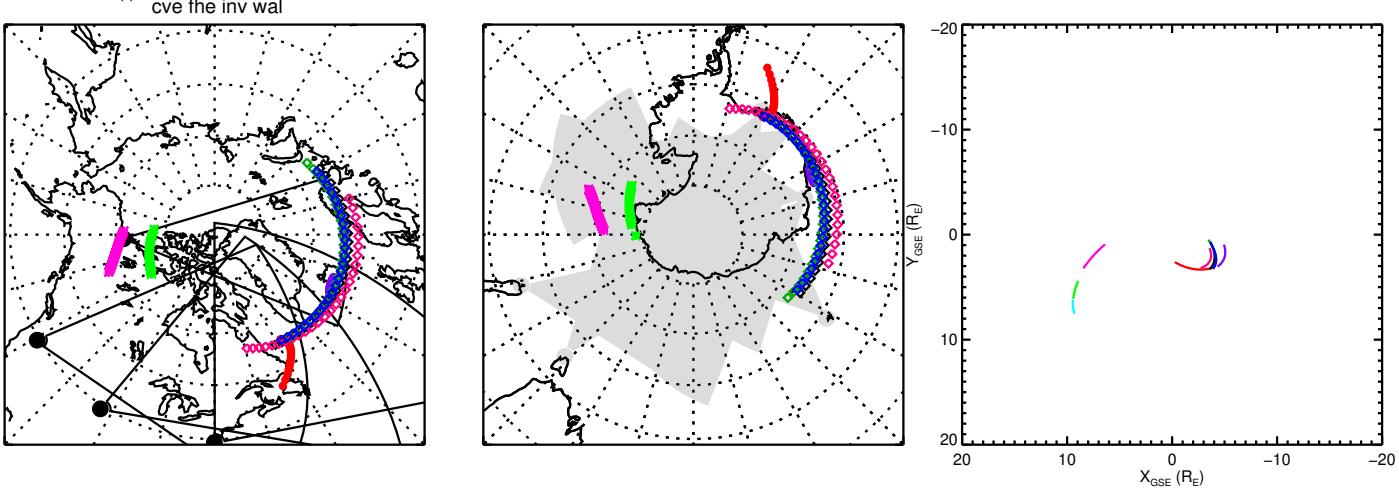
unw zho



(e) 1840UT to 1925UT
wal



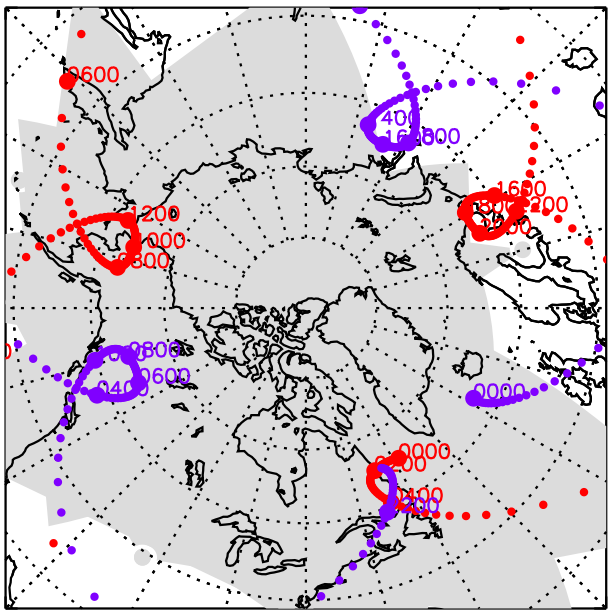
(f) 2135UT to 2355UT
cve fhe inv wal

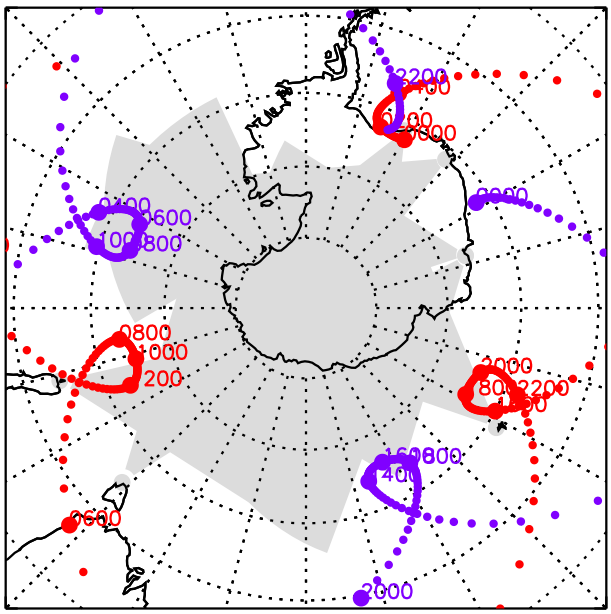


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

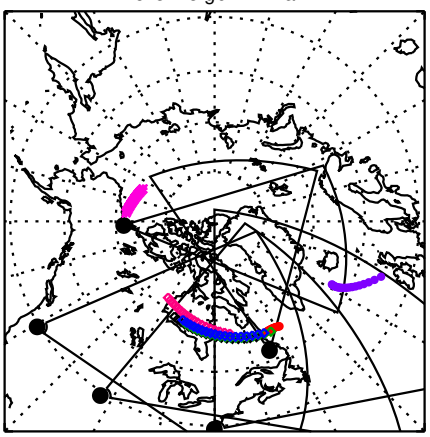
23–Mar–2015

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

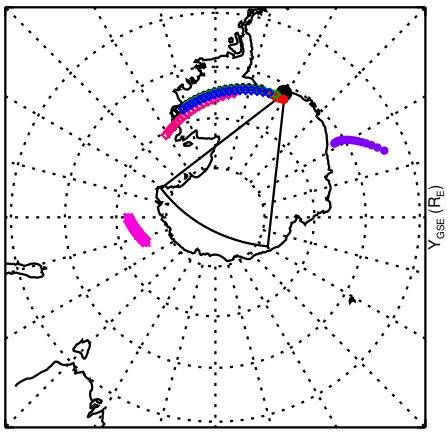


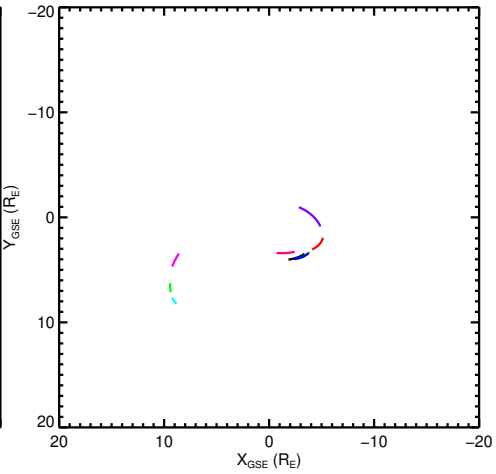


(a) 0000UT to 0135UT
cve fhe gbr inv wal

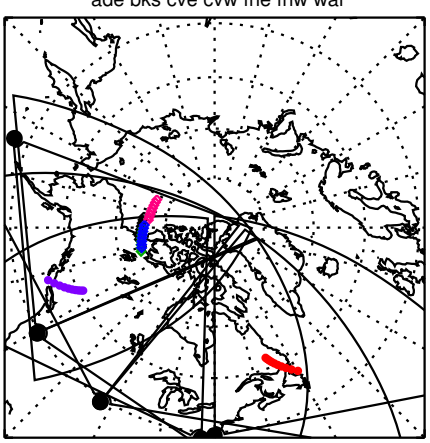


hal

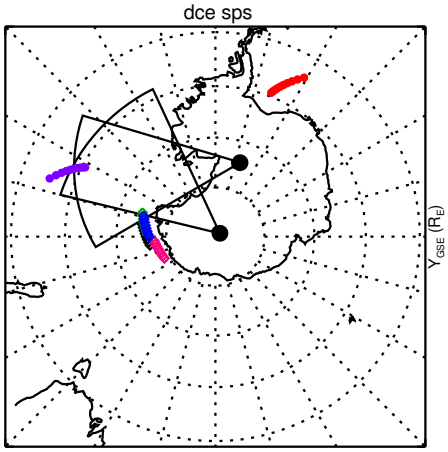


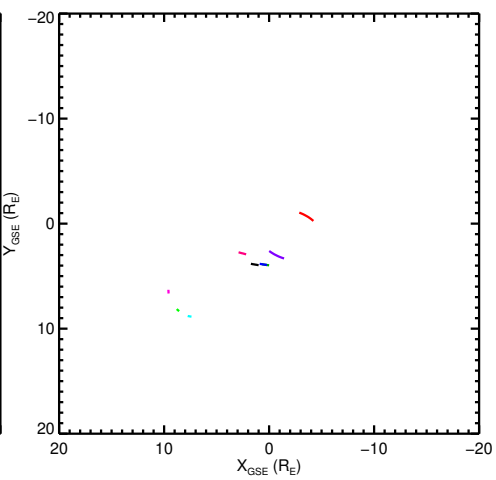


(b) 0340UT to 0425UT
ade bks cve cvw fhe fhw wal



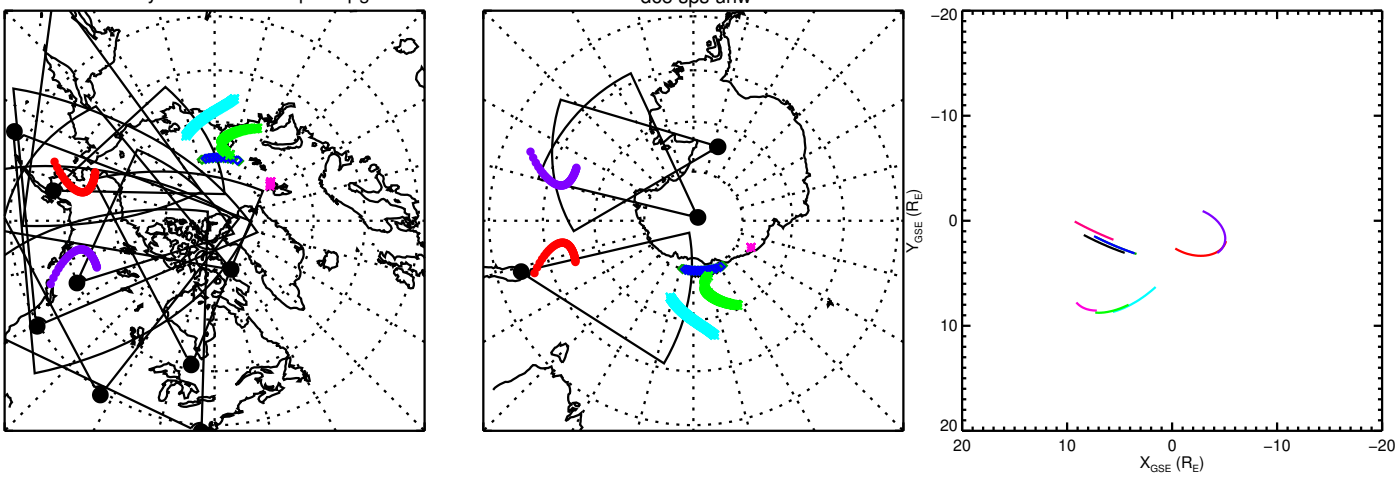
dce sps





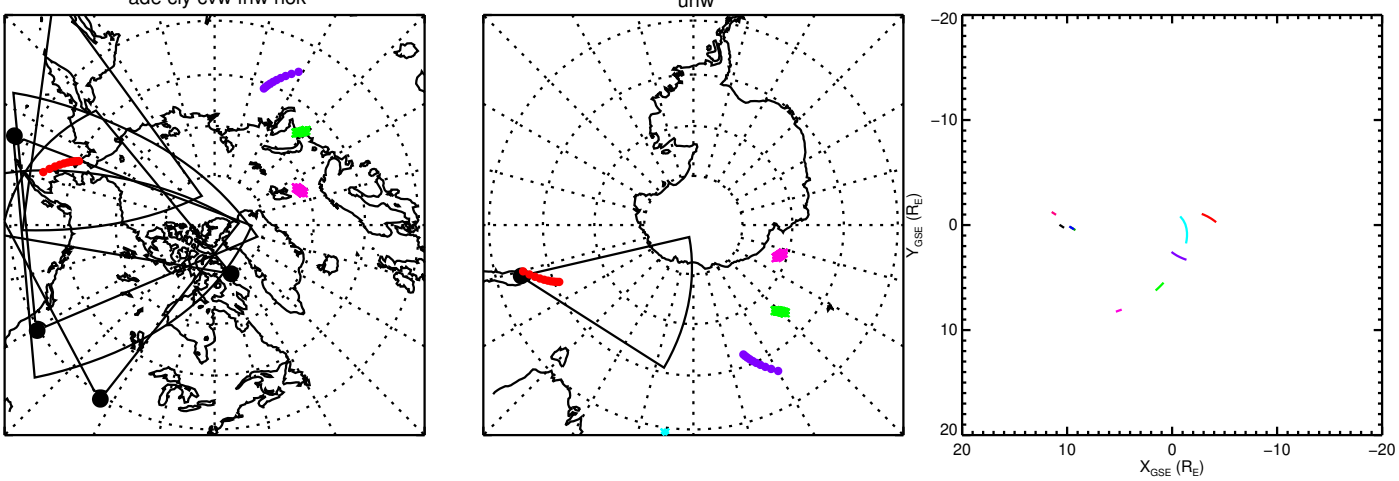
(c) 0635UT to 1035UT
ade bks cly cvw fhw hok kap ksr pgr

dce sps unw



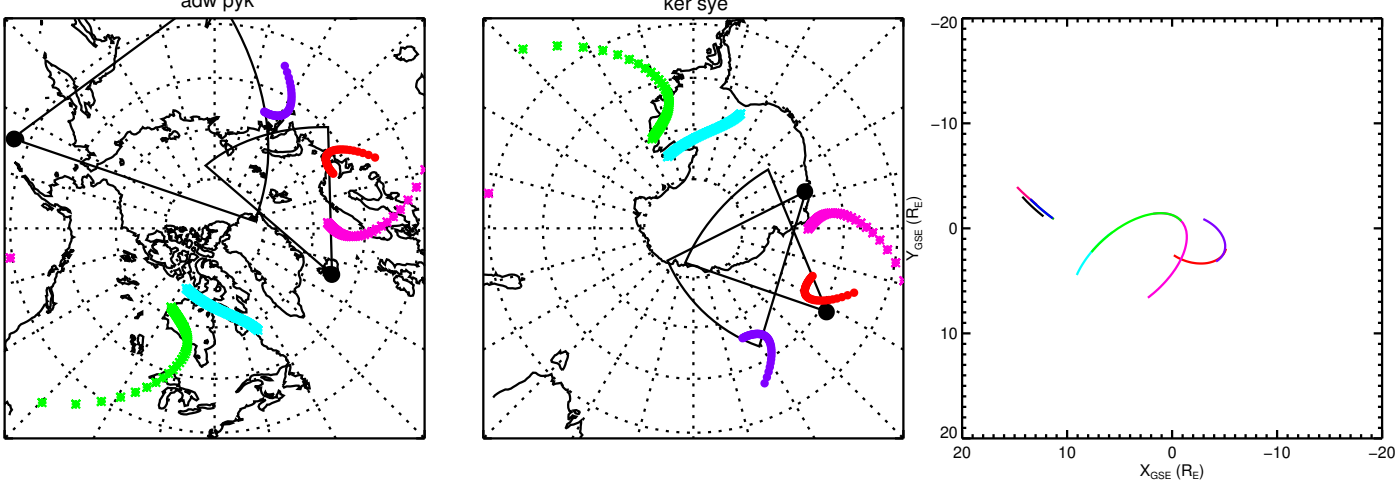
(d) 1240UT to 1325UT
ade cly cvw fhw hok

unw

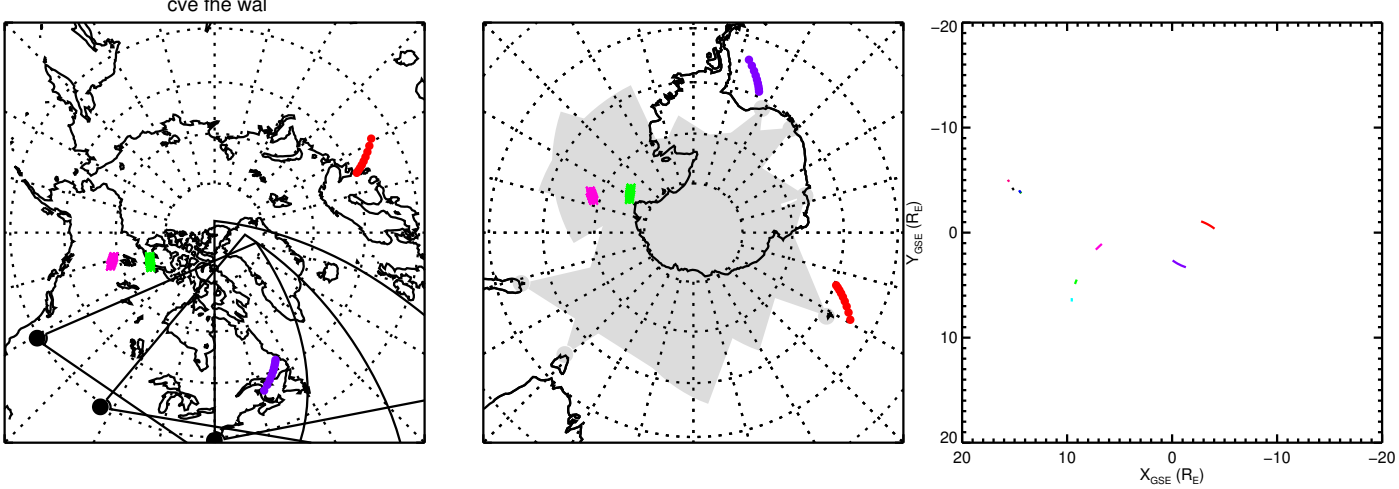


(e) 1530UT to 1935UT
adw pyk

ker sye



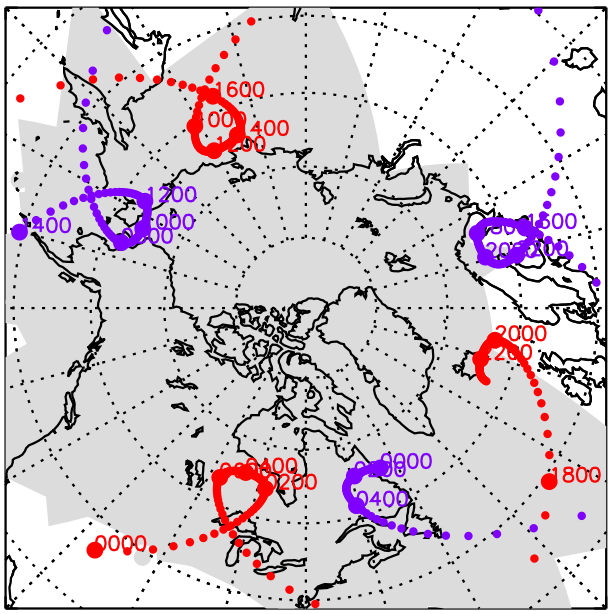
(f) 2145UT to 2225UT
cve fhe wal

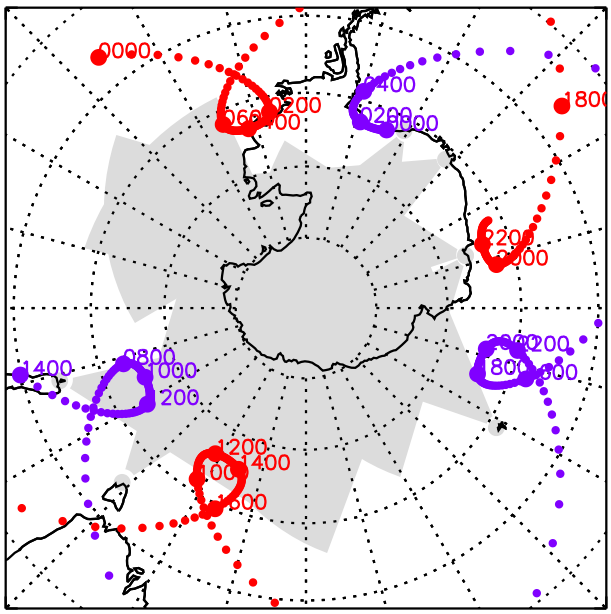


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

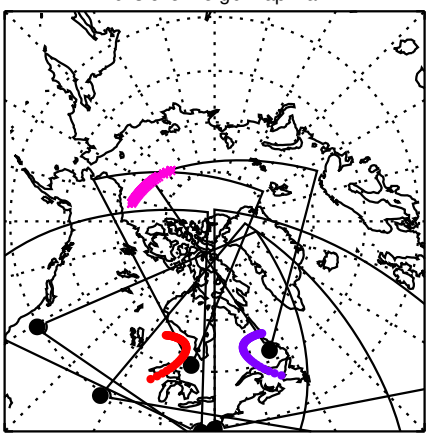
24–Mar–2015

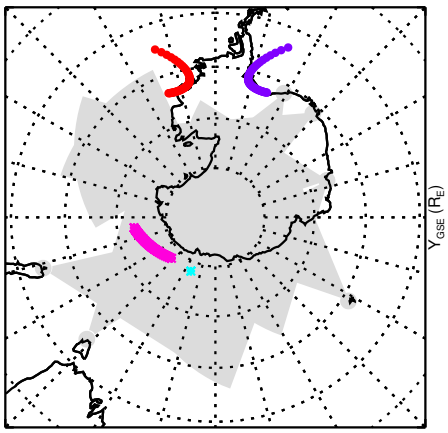
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

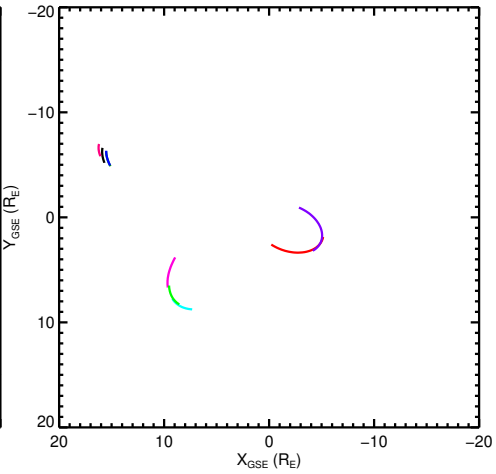




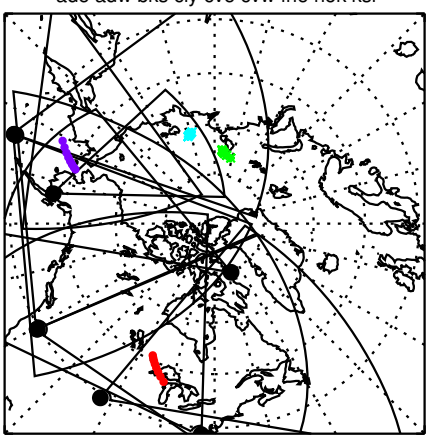
(a) 0030UT to 0440UT
bks cve fhe gbr kap wal



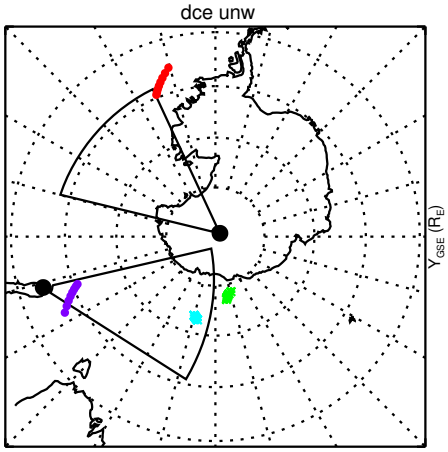


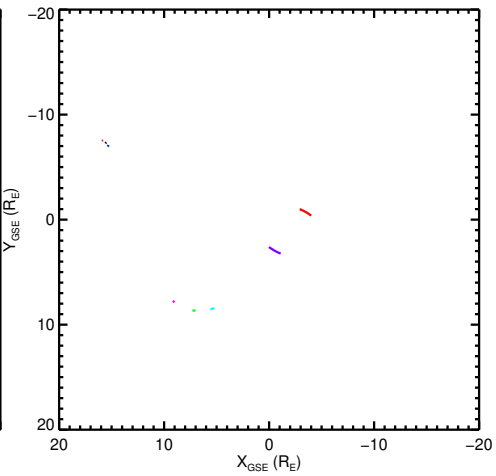


(b) 0645UT to 0720UT
ade adw bks cly cve cvw fhe hok ksr

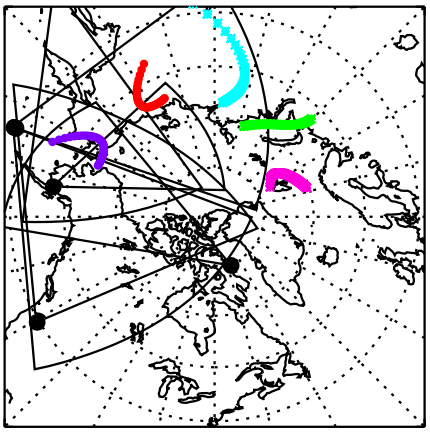


dce unw

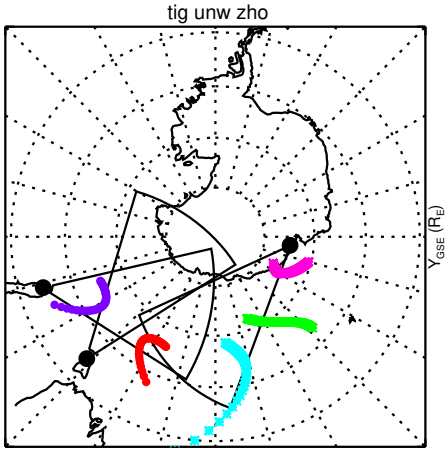


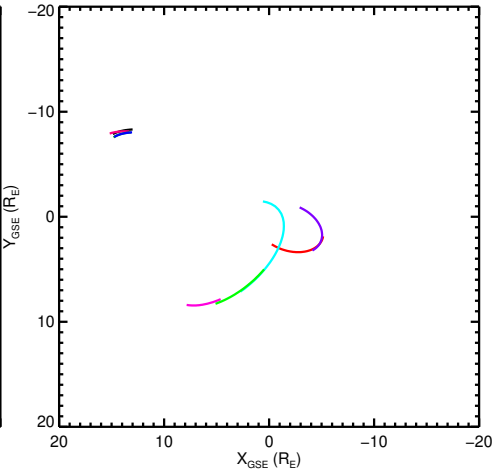


(c) 0930UT to 1340UT
ade adw cly cvw hok ksr

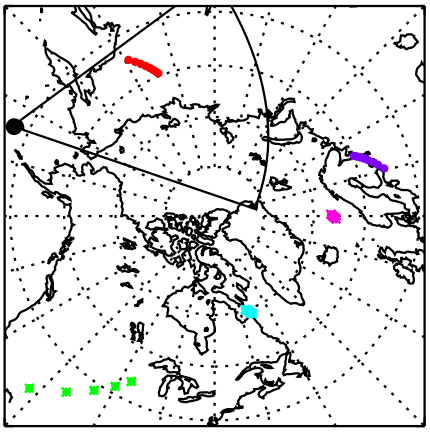


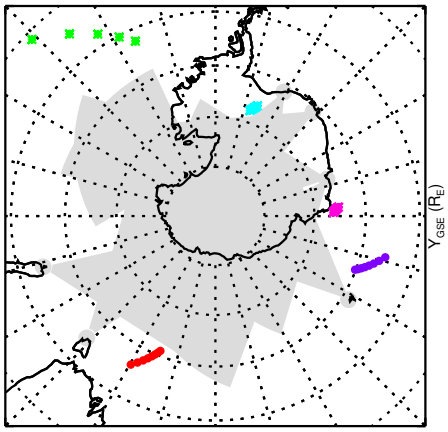
tig unw zho

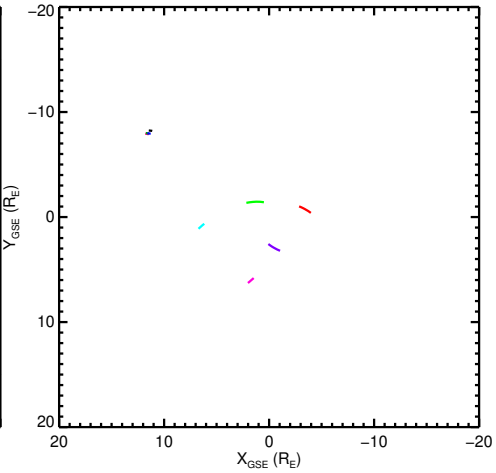




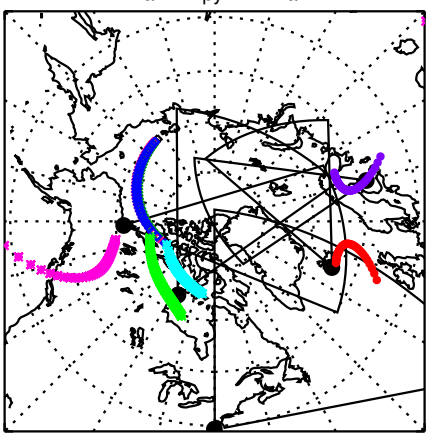
(d) 1545UT to 1620UT
adw



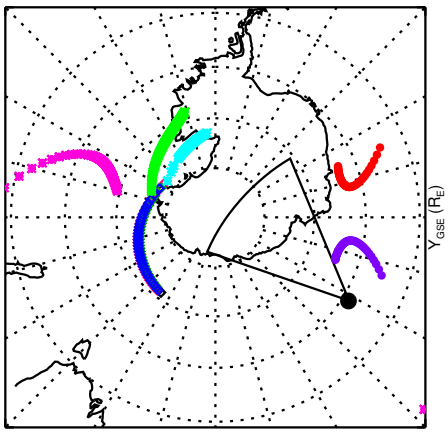


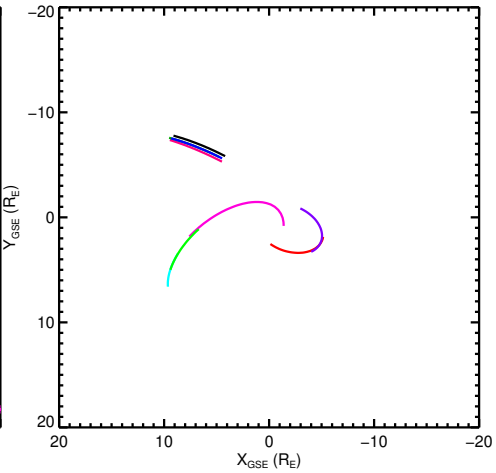


(e) 1825UT to 2240UT
han inv pyk rkn wal



ker

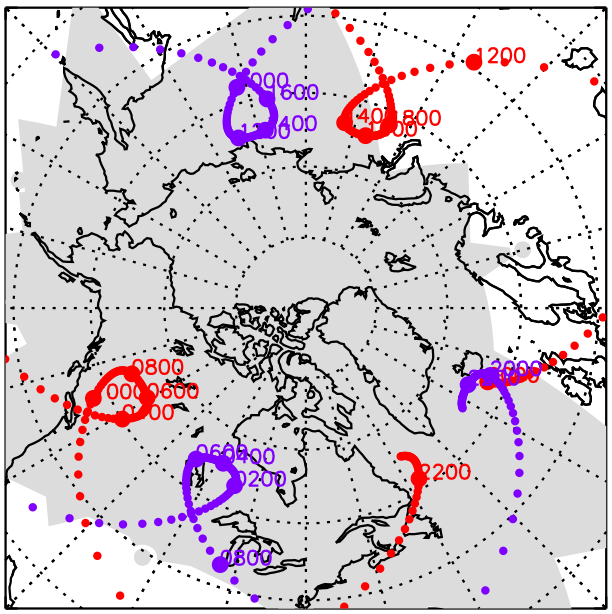


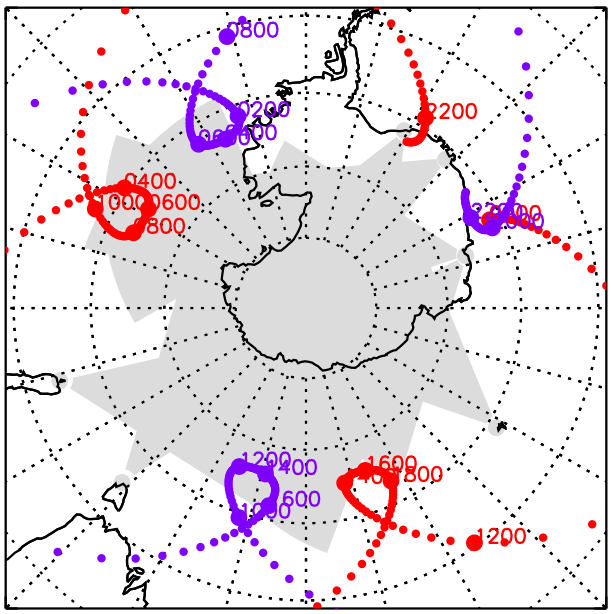


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

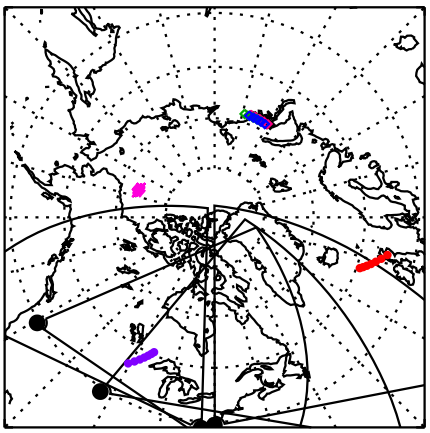
25–Mar–2015

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

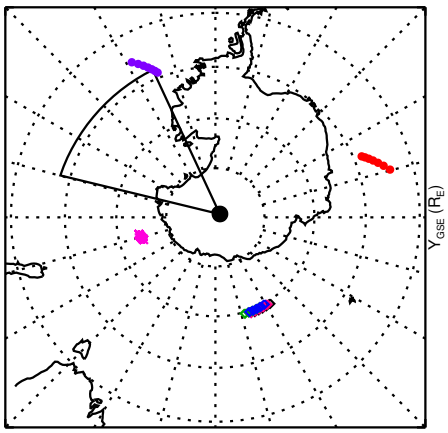


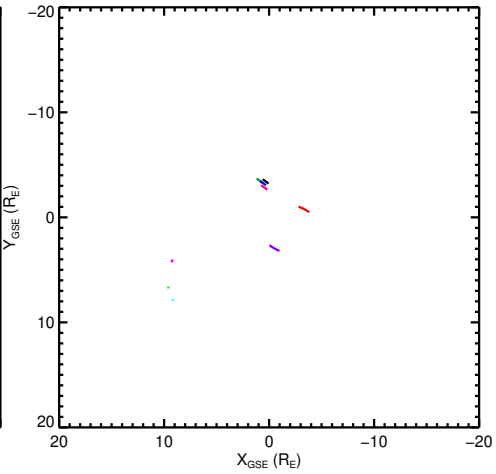


(a) 0050UT to 0120UT
bks cve fhe wal

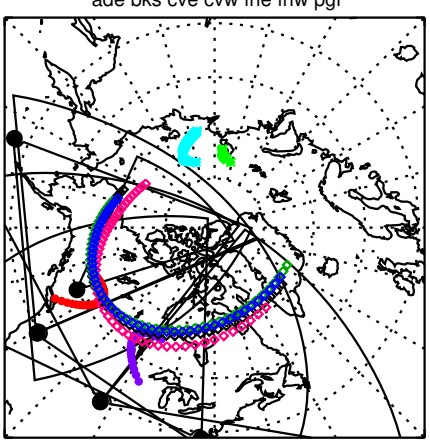


dce

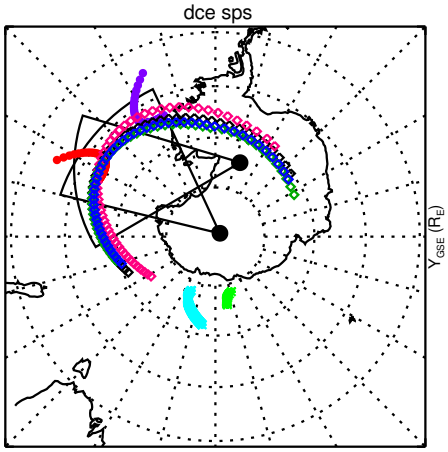


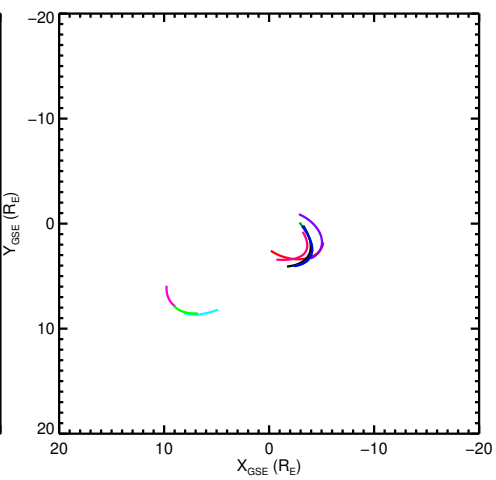


(b) 0325UT to 0745UT
ade bks cve cvw fhe fhw pgr



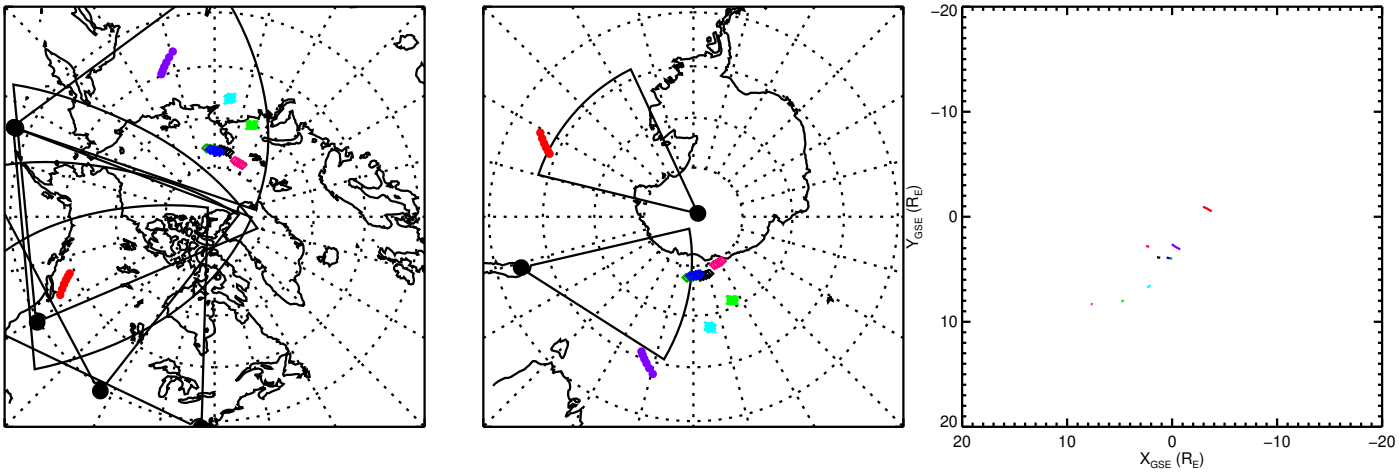
dce sps





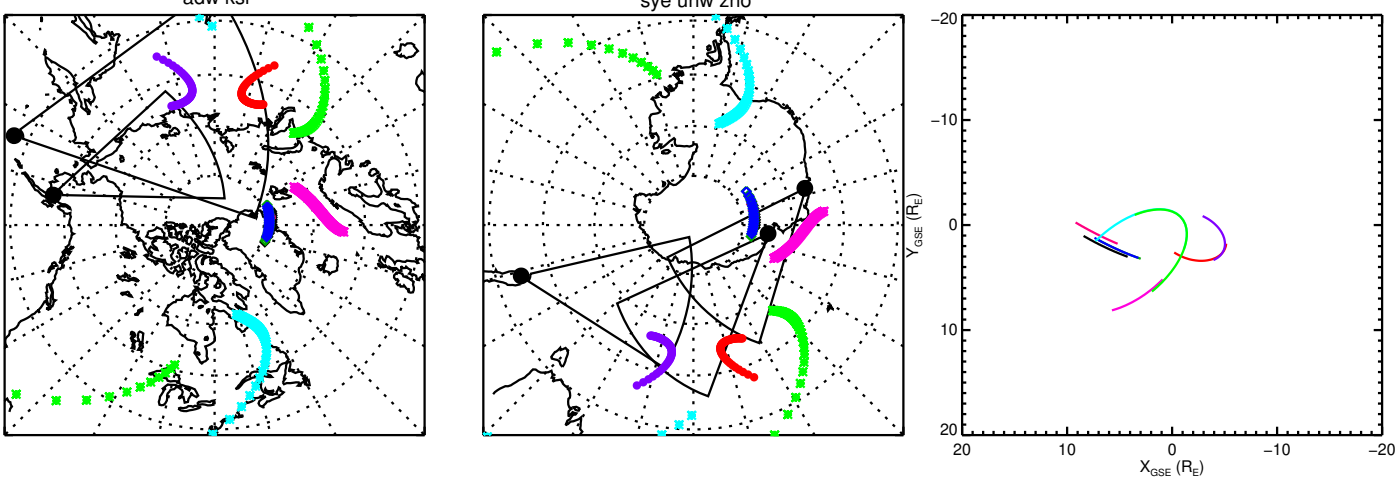
(c) 0950UT to 1015UT
ade adw bks cvw fhw

dce unw

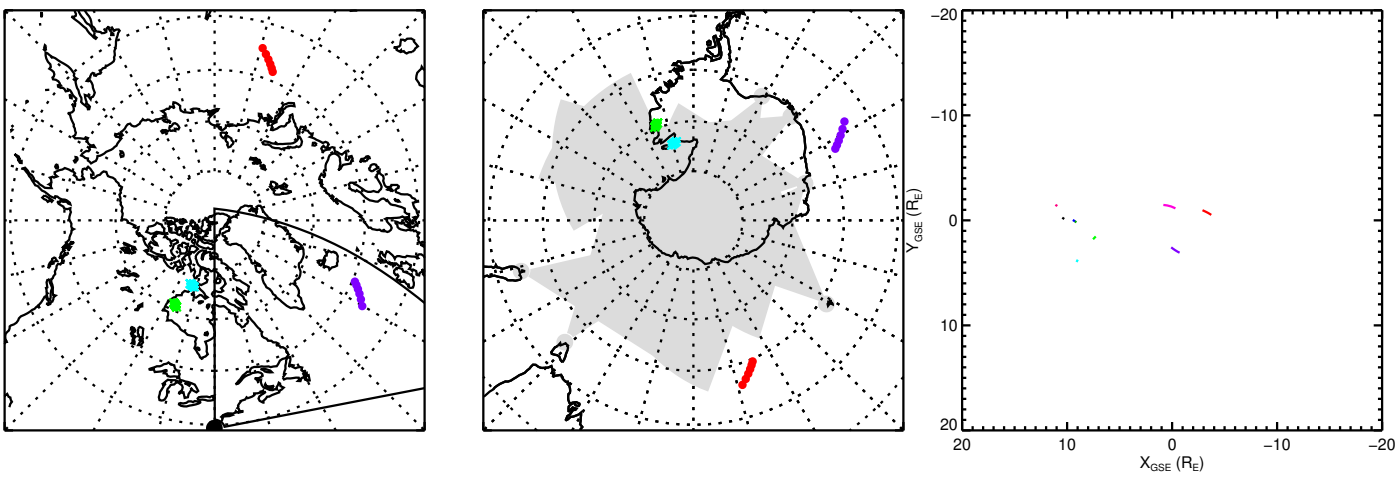


(d) 1225UT to 1645UT
adw ksr

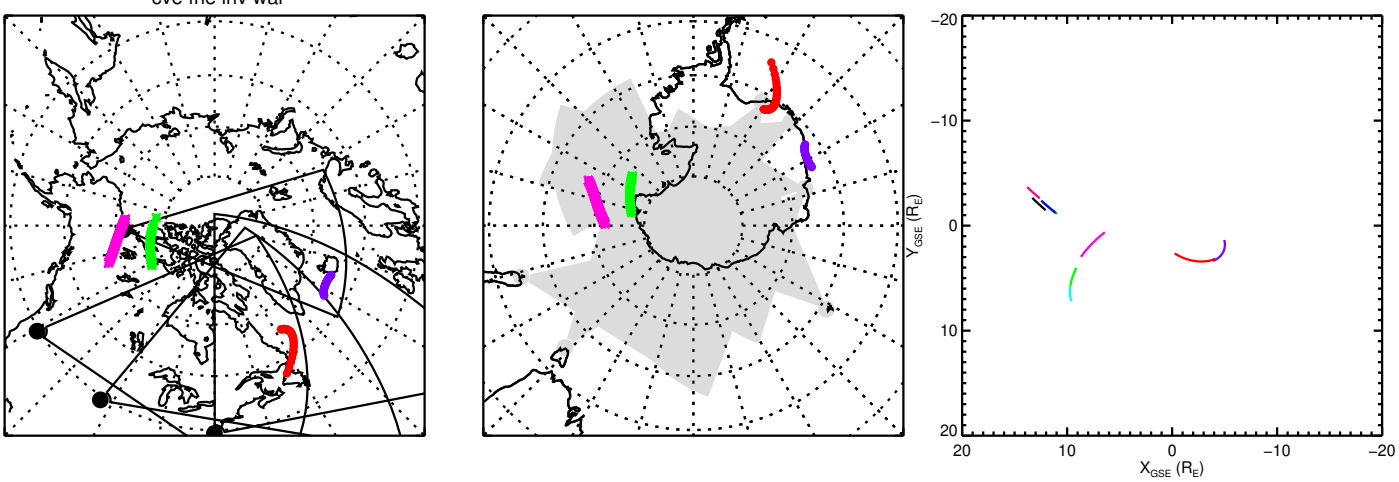
sye unw zho



(e) 1850UT to 1915UT
wal



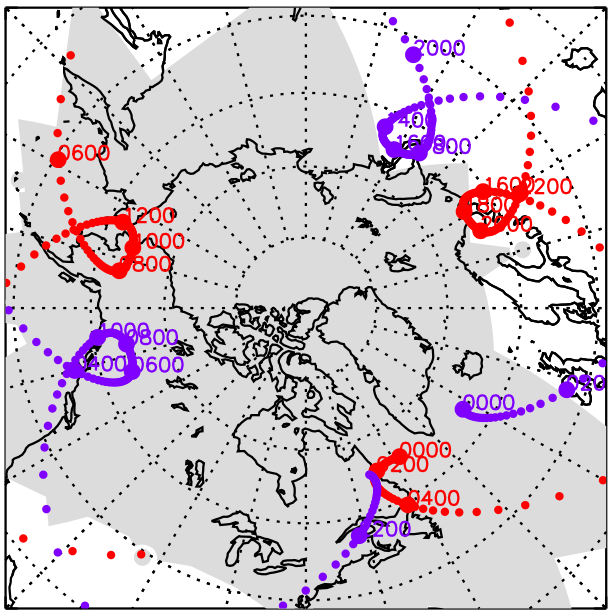
(f) 2125UT to 2355UT
cve fhe inv wal

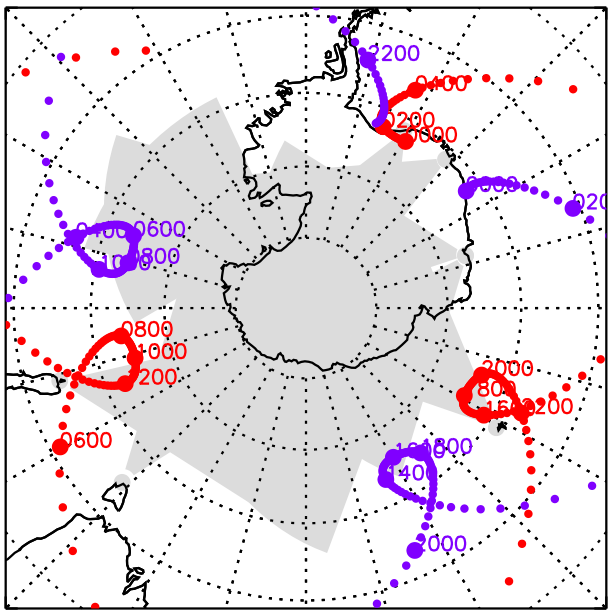


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

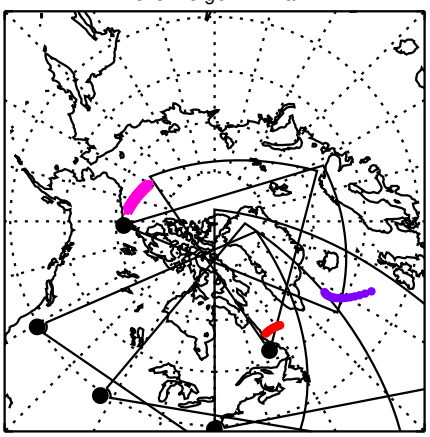
26–Mar–2015

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

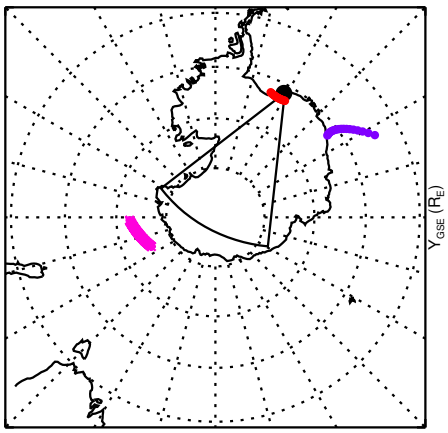


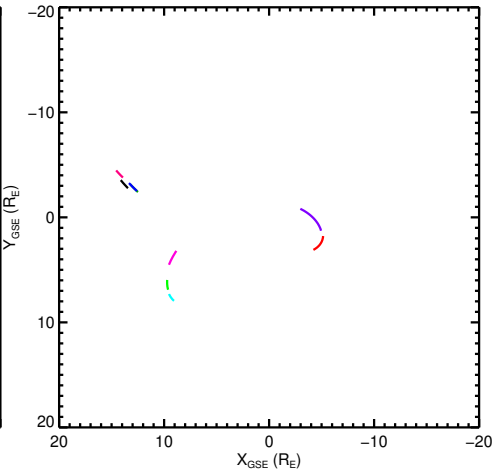


(a) 0000UT to 0145UT
cve fhe gbr inv wal

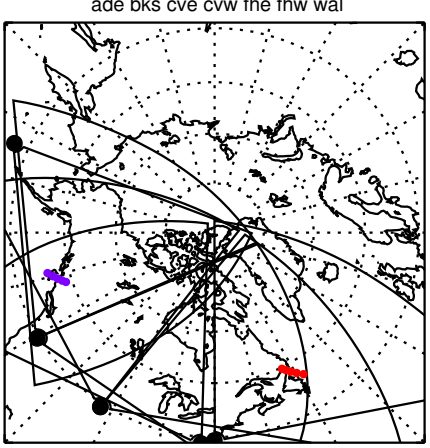


hal

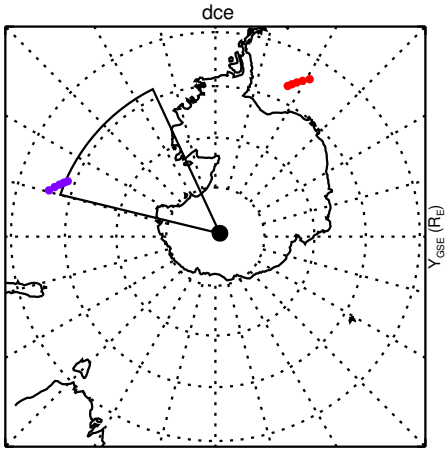


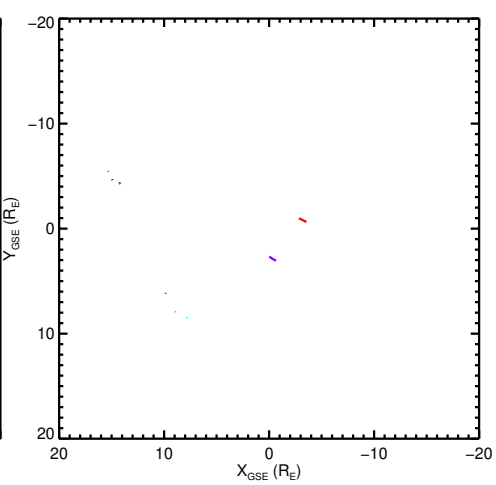


(b) 0355UT to 0415UT
ade bks cve cvw fhe fhw wal



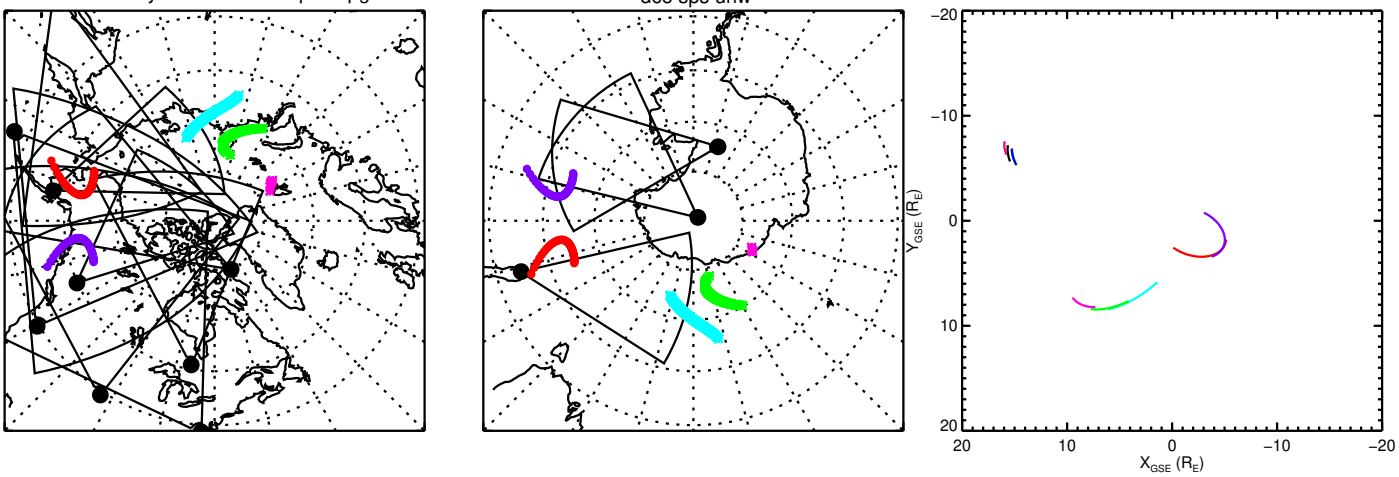
dce





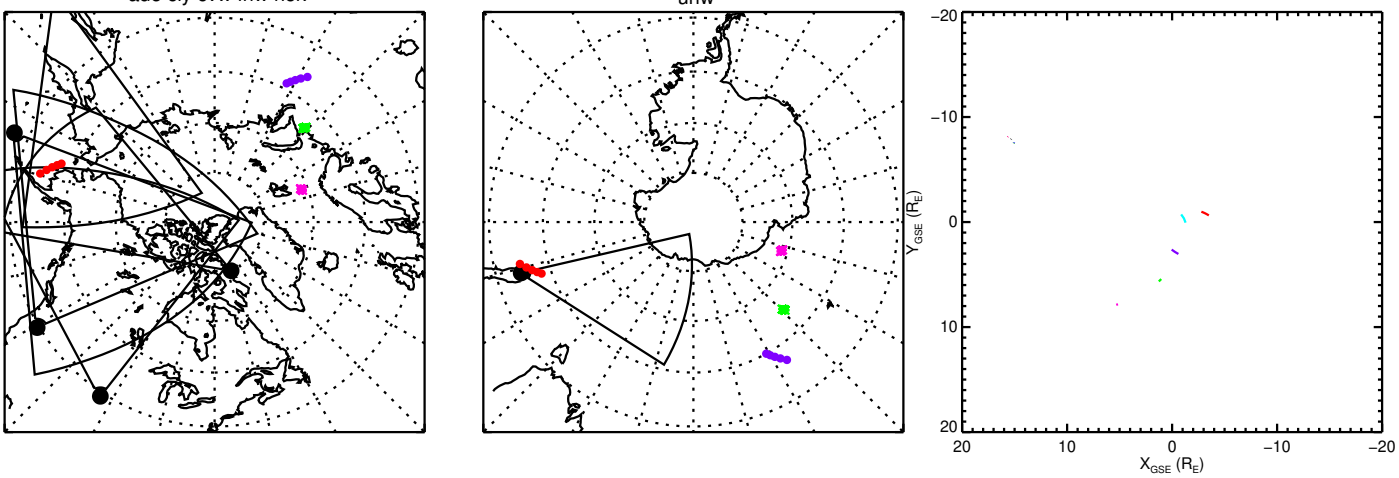
(c) 0620UT to 1045UT
ade bks cly cvw fhw hok kap ksr pgr

dce sps unw



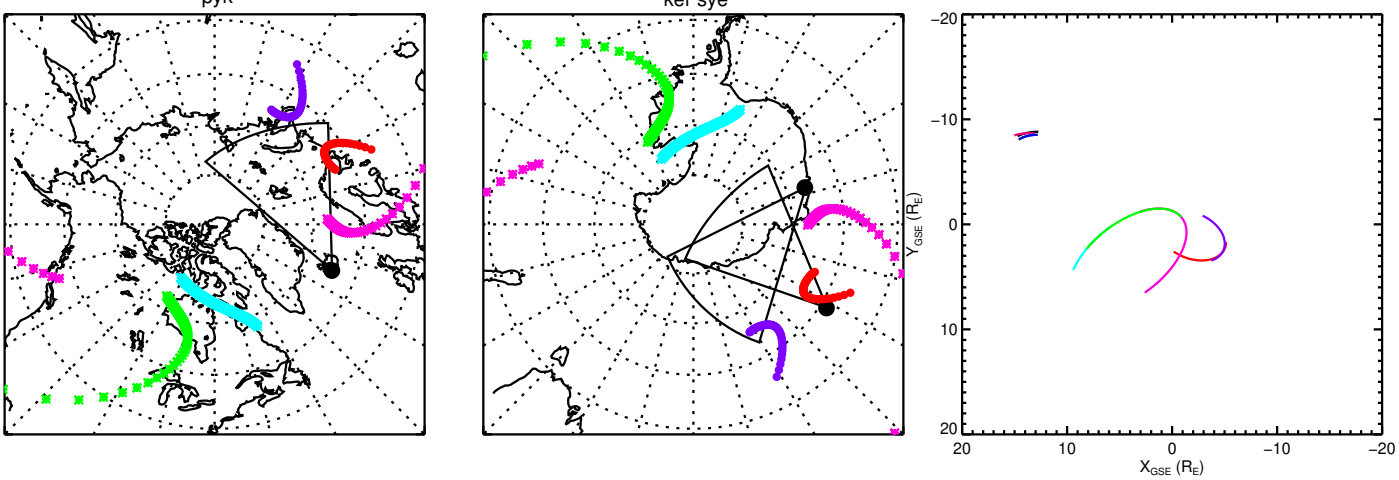
(d) 1255UT to 1315UT
ade cly cvw fhw hok

unw

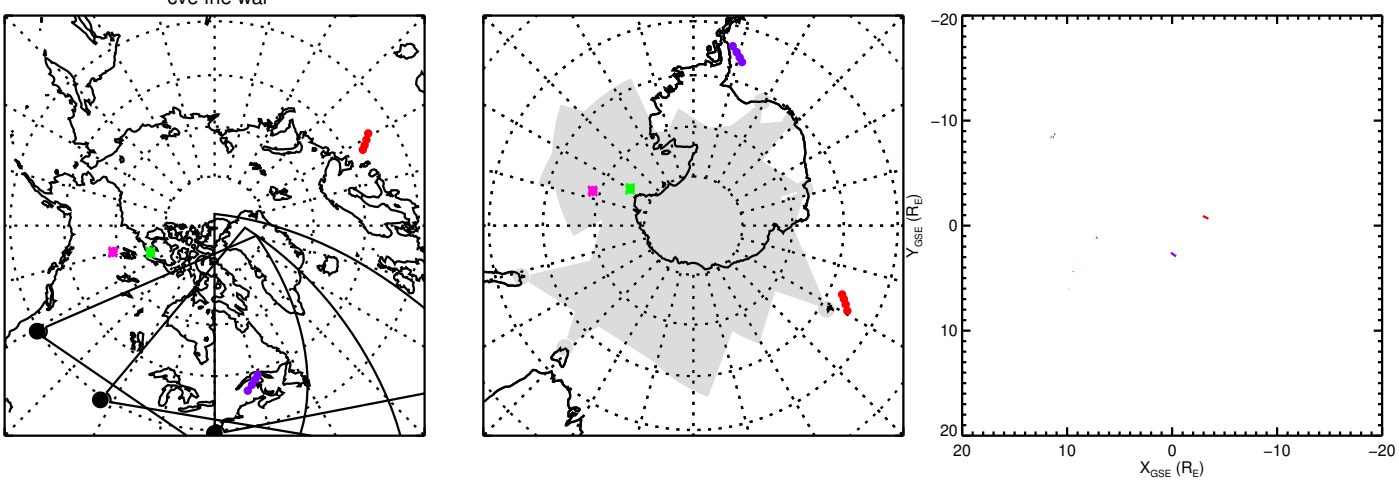


(e) 1520UT to 1950UT
pyk

ker sye



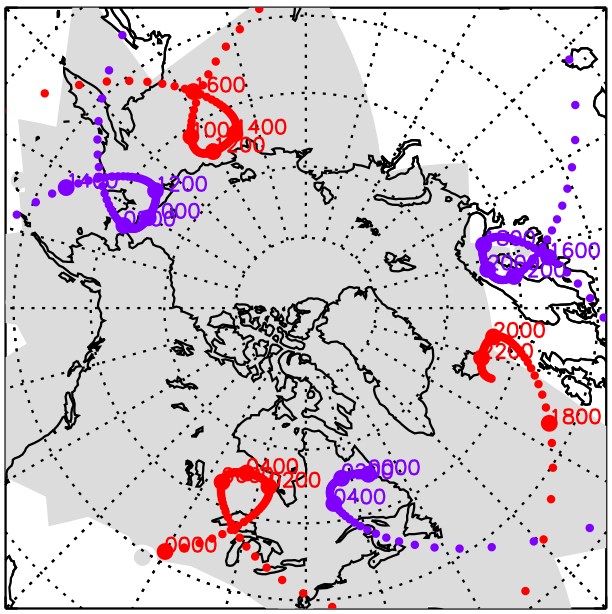
(f) 2155UT to 2210UT
cve fhe wal

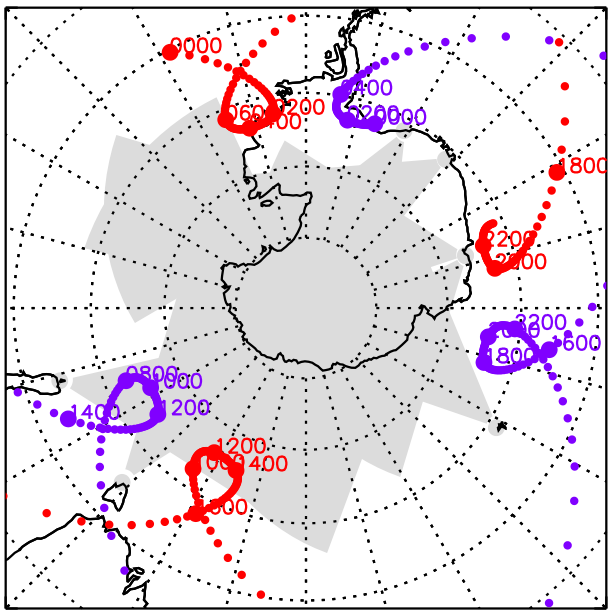


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

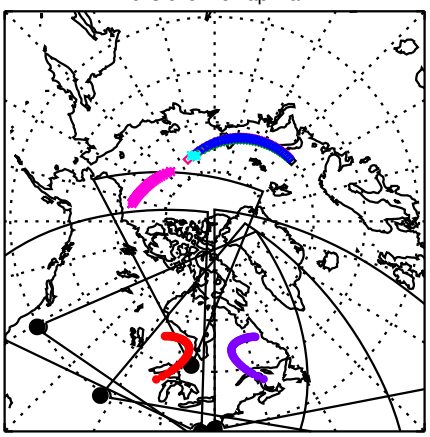
27−Mar−2015

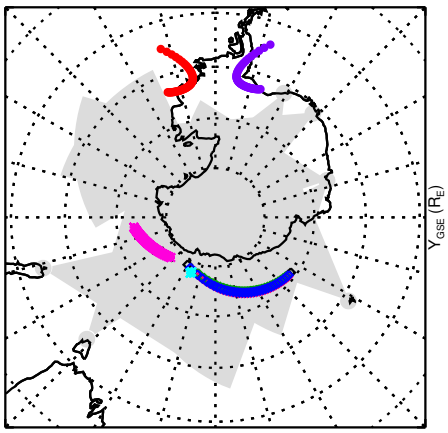
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

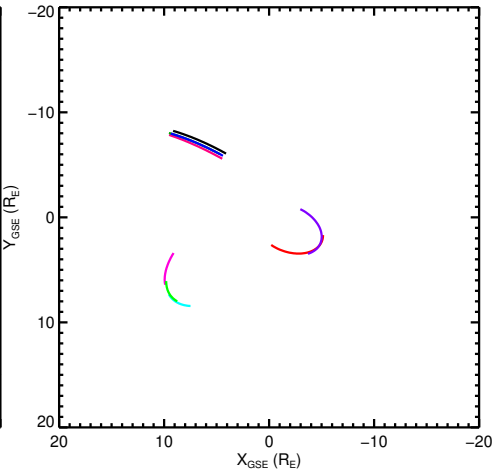




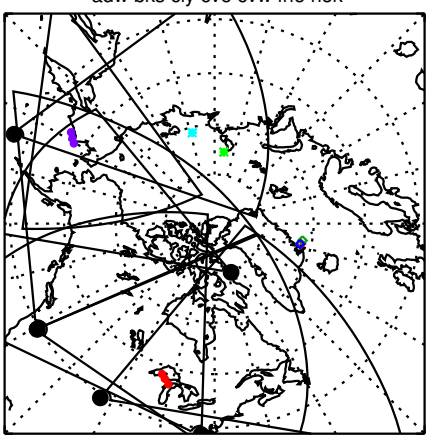
(a) 0020UT to 0450UT
bks cve fhe kap wal



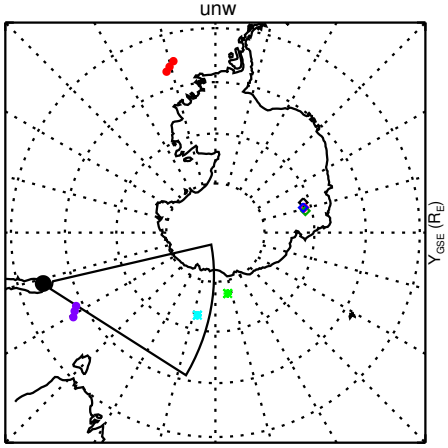


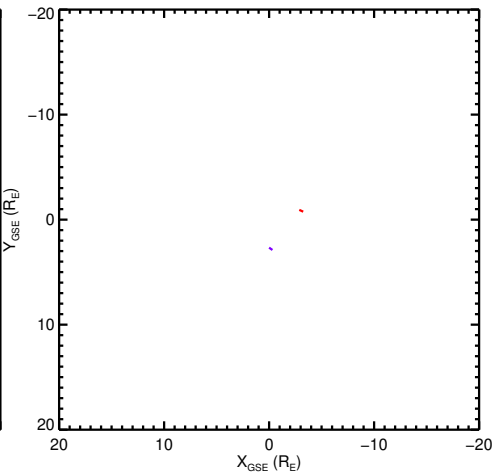


(b) 0700UT to 0710UT
adw bks cly cve cvw fhe hok



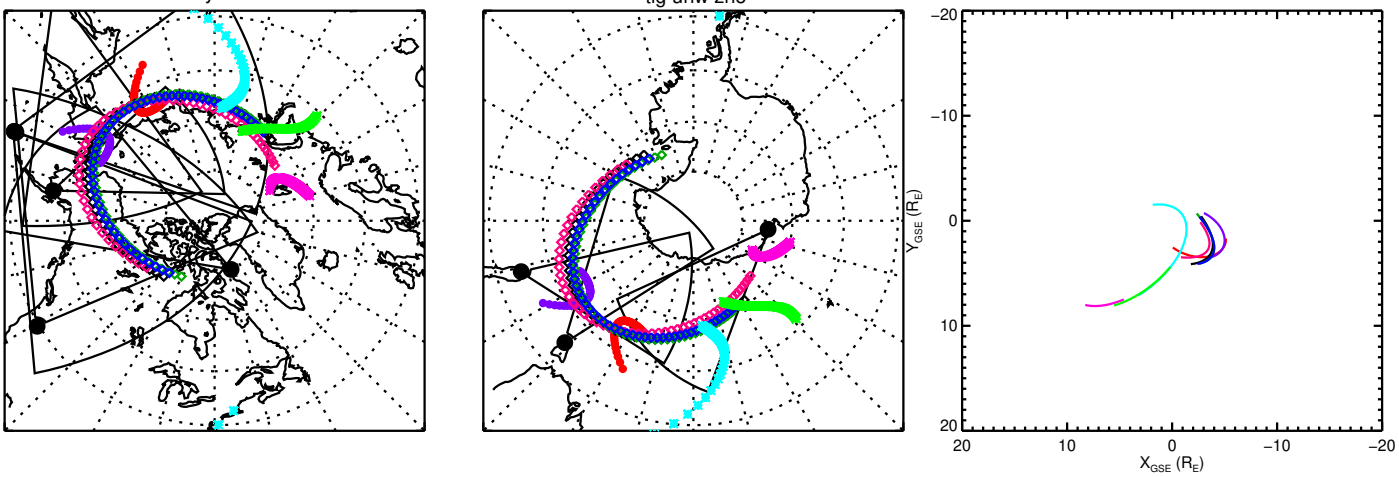
unw



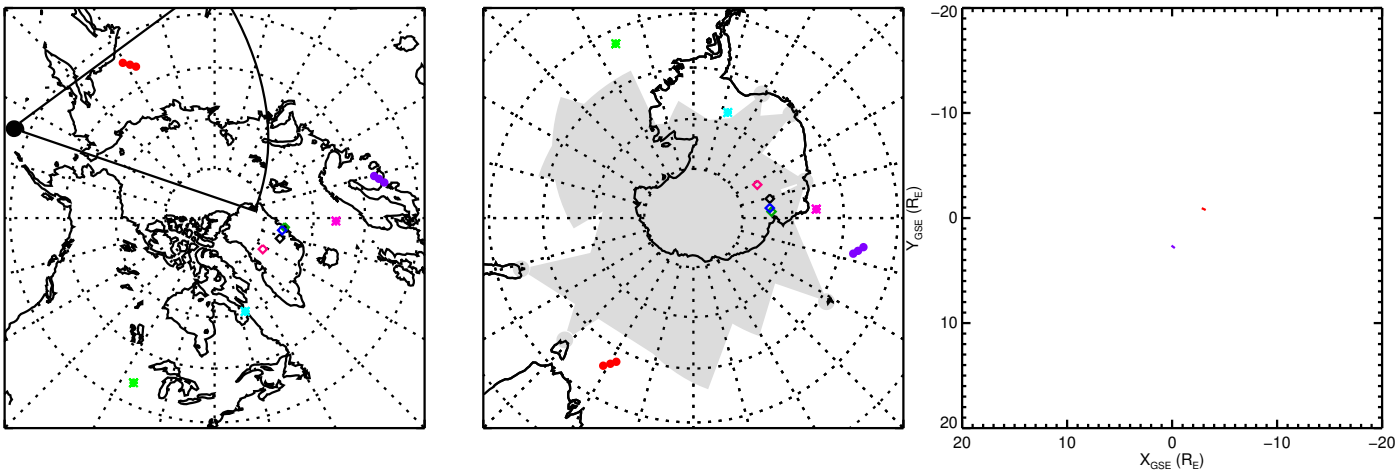


(c) 0915UT to 1350UT
ade adw cly cvw hok ksr

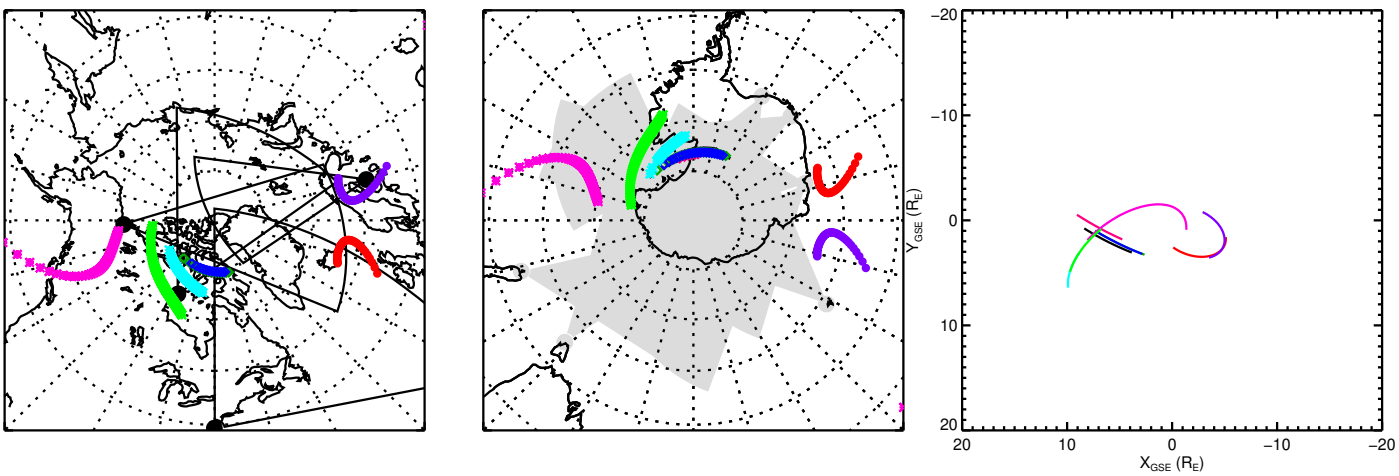
tig unw zho



(d) 1600UT to 1610UT
adw



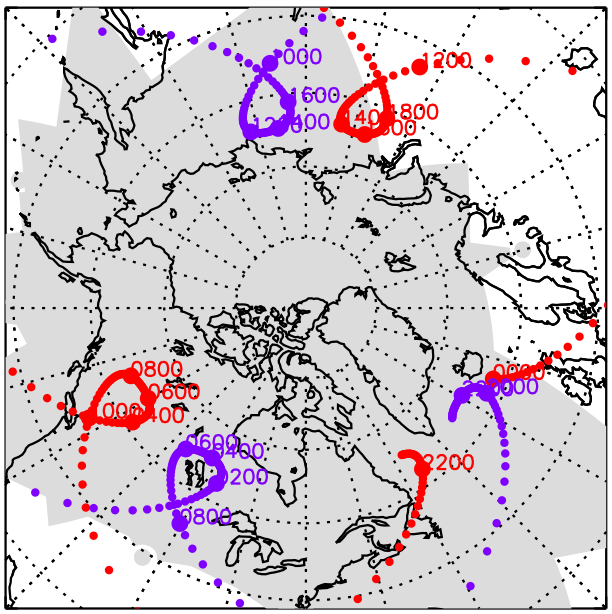
(e) 1815UT to 2255UT
han inv rkn wal

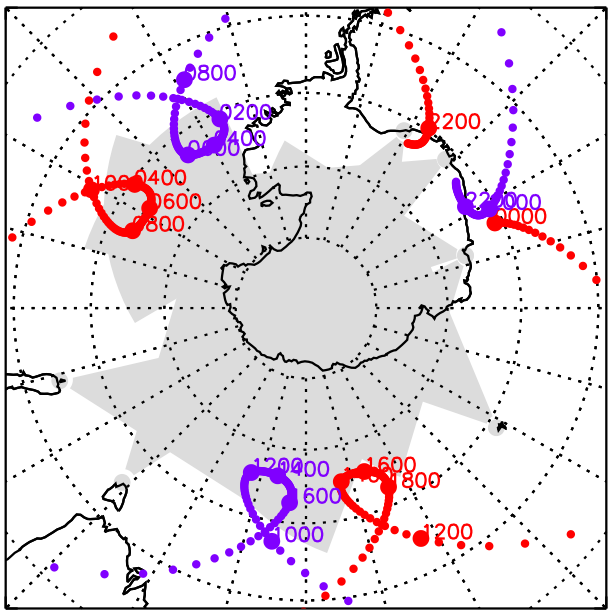


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

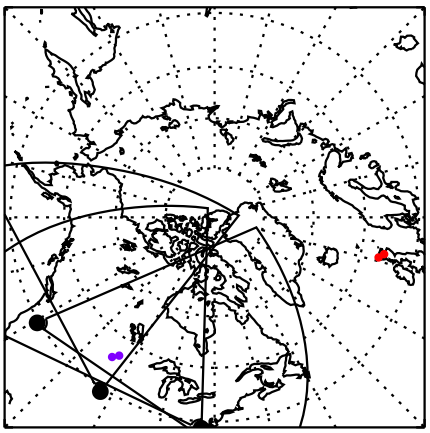
28–Mar–2015

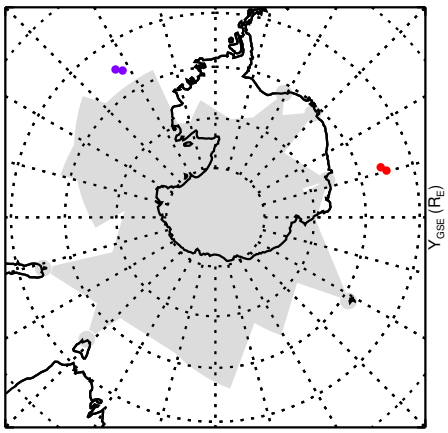
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

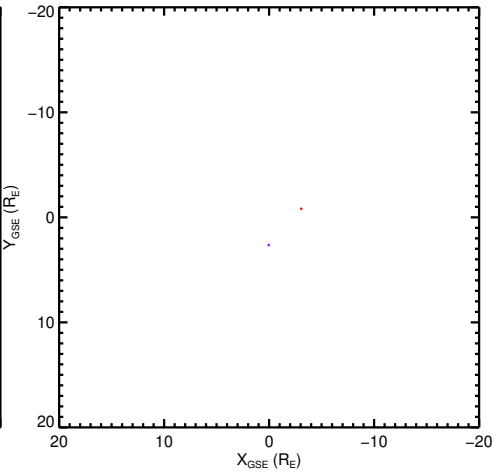




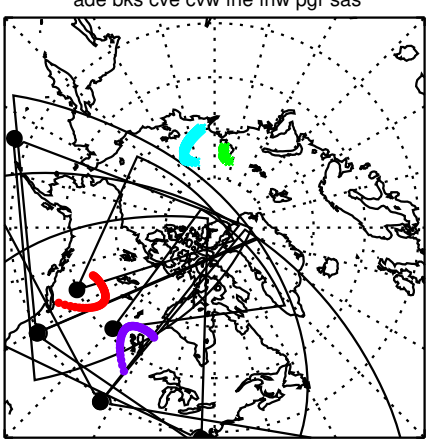
(a) 0100UT to 0105UT
bks cve fhw



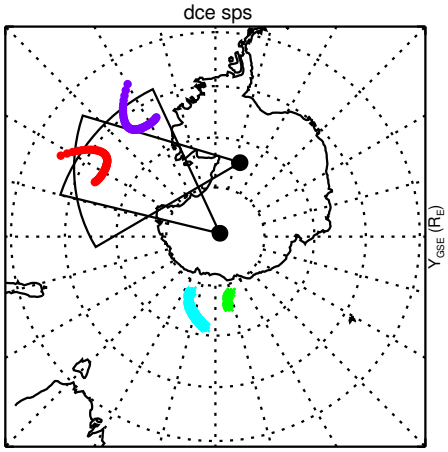


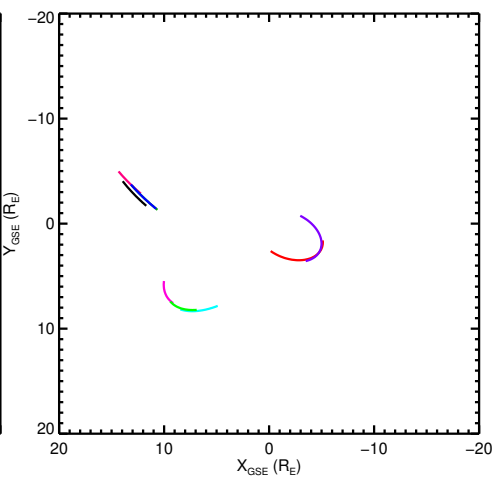


(b) 0315UT to 0755UT
ade bks cve cvw fhe fhw pgr sas

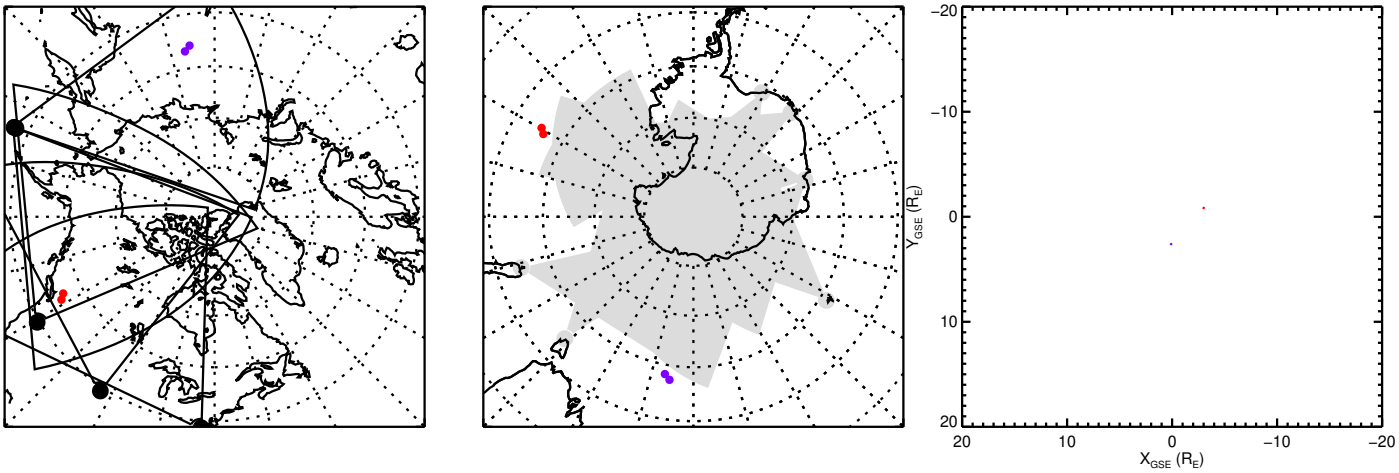


dce sps



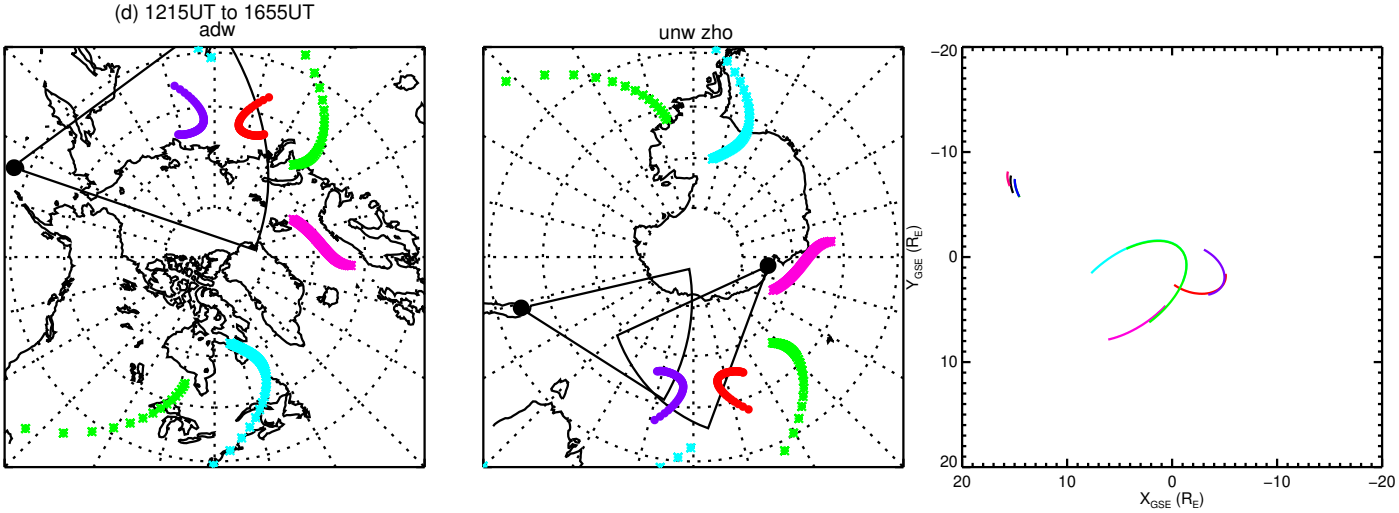


(c) 1000UT to 1005UT
ade adw bks cvw fhw

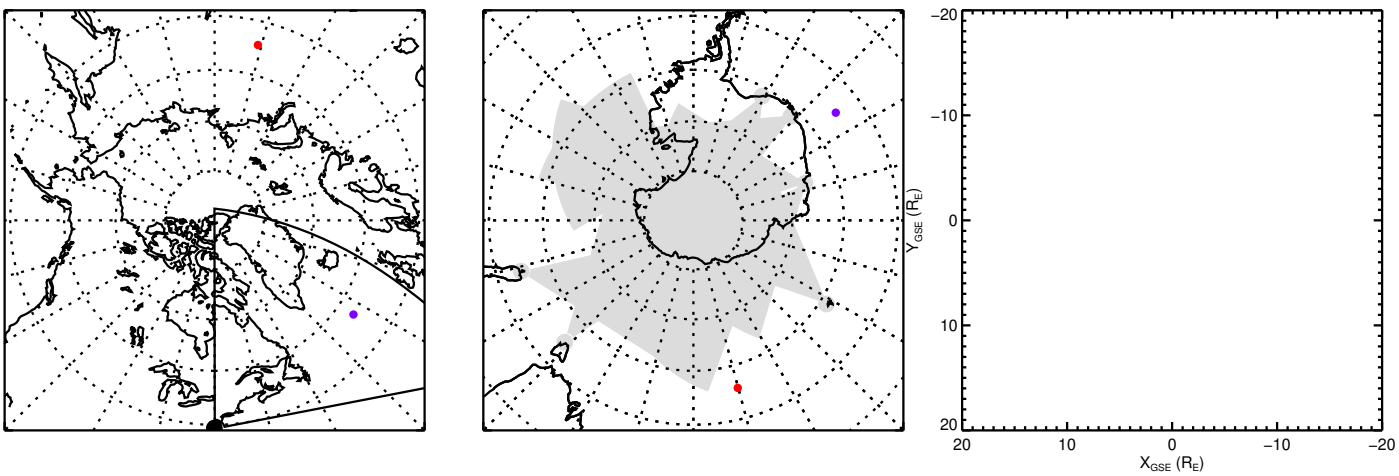


(d) 1215UT to 1655UT
adw

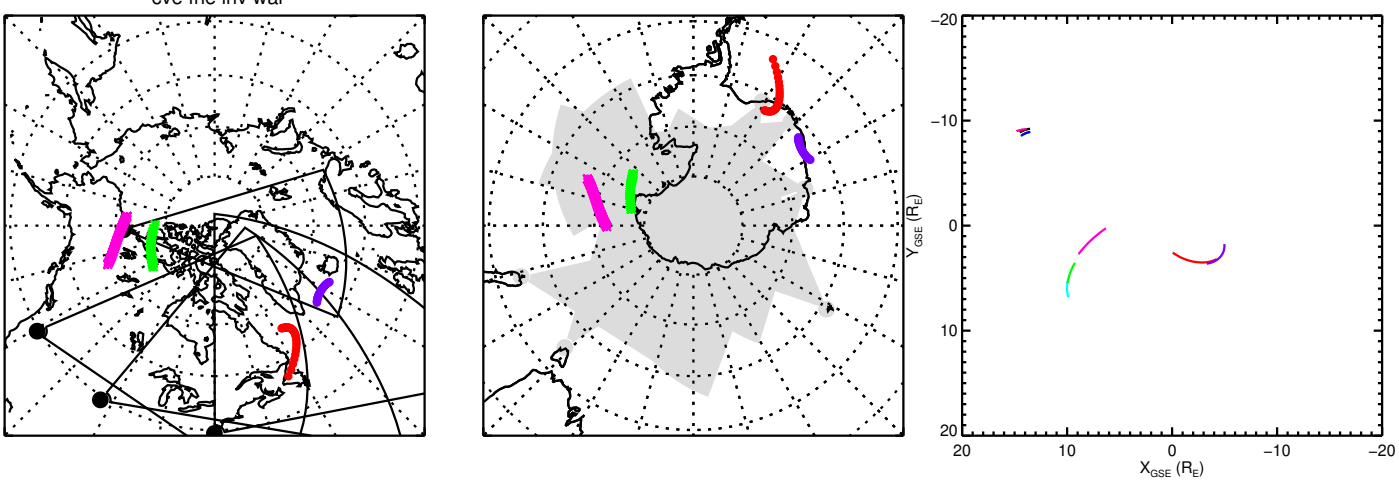
unw zho



(e) 1905UT to 1905UT
wal



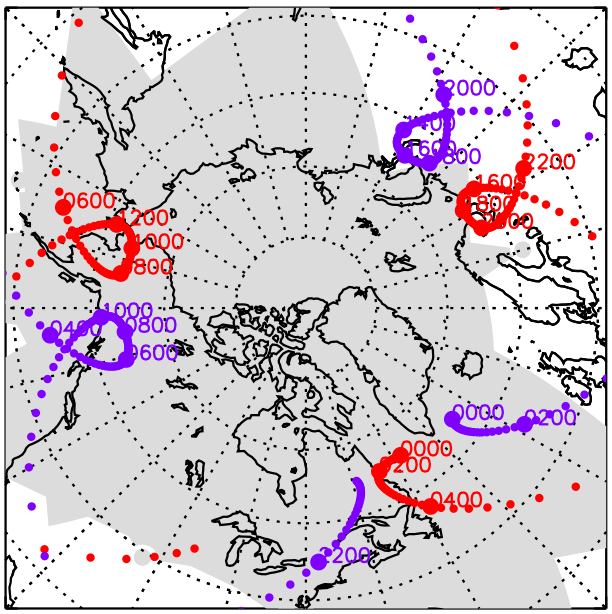
(f) 2110UT to 2355UT
cve fhe inv wal

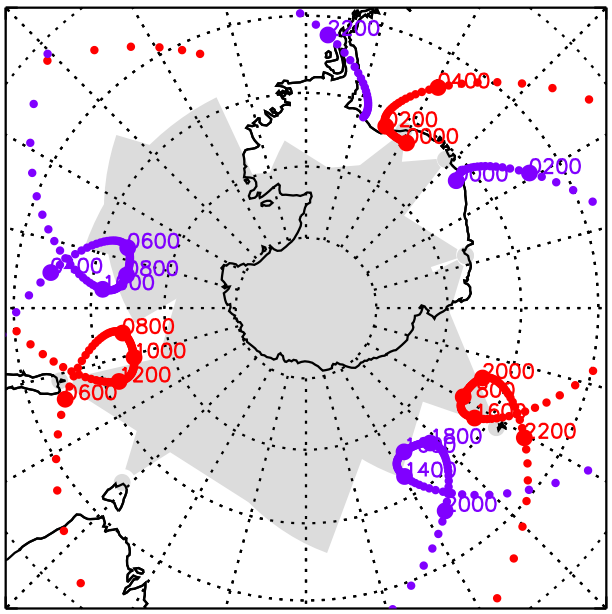


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

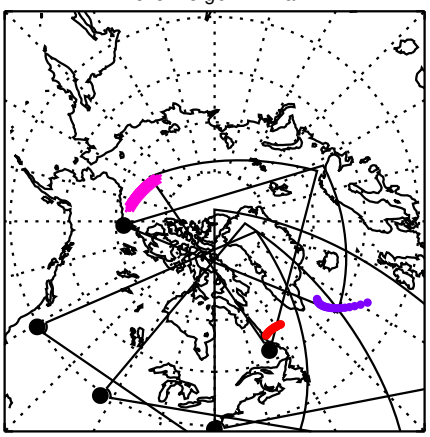
29–Mar–2015

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

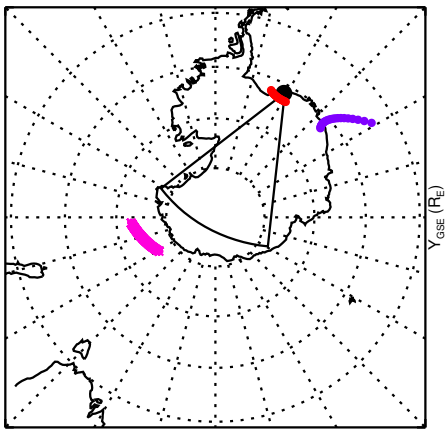


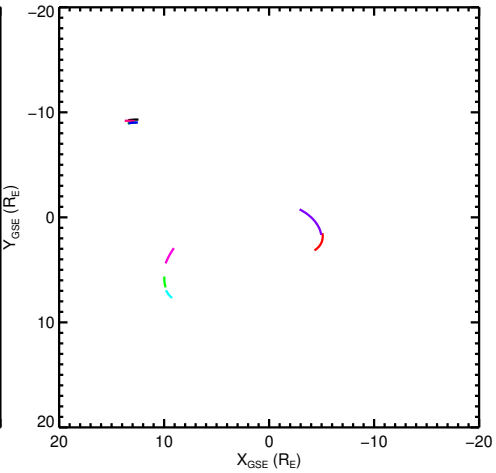


(a) 0000UT to 0200UT
cve fhe gbr inv wal

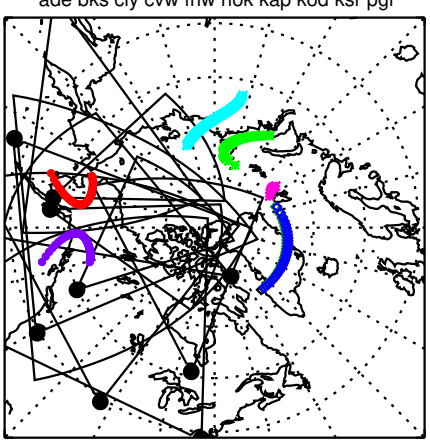


hal

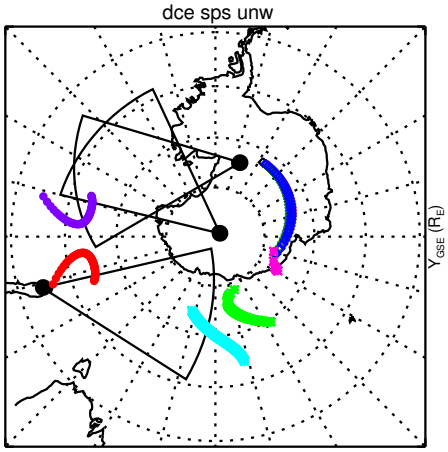


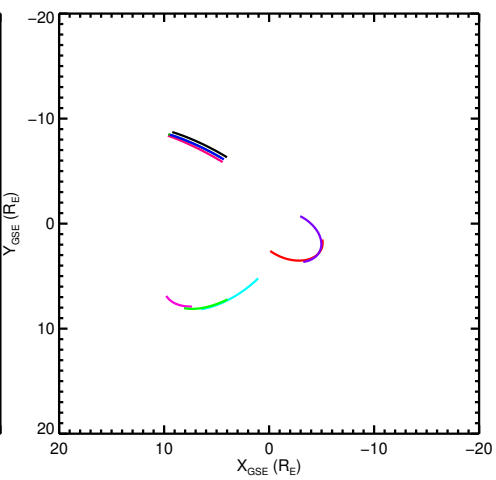


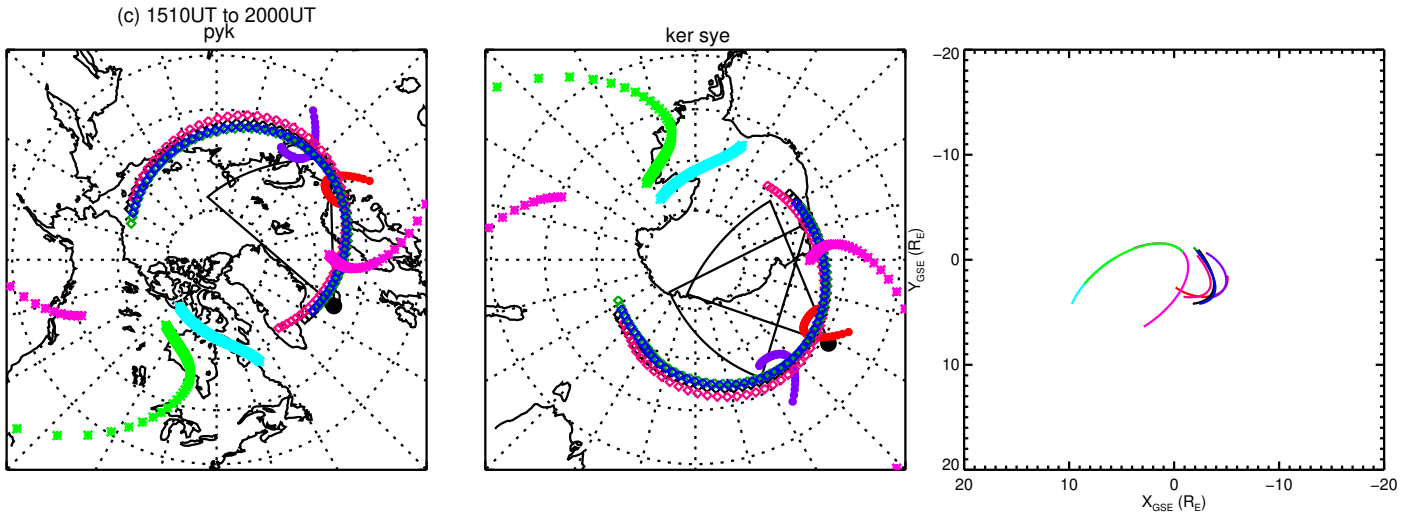
(b) 0610UT to 1100UT
ade bks cly cvw fhw hok kap kod ksr pgr



dce sps unw



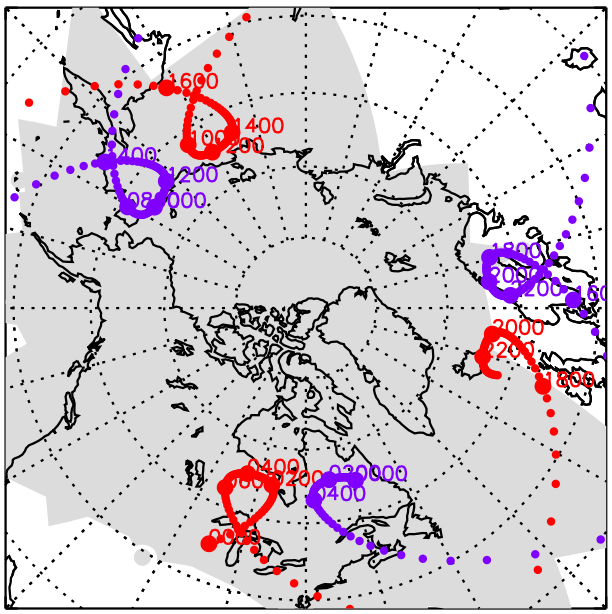


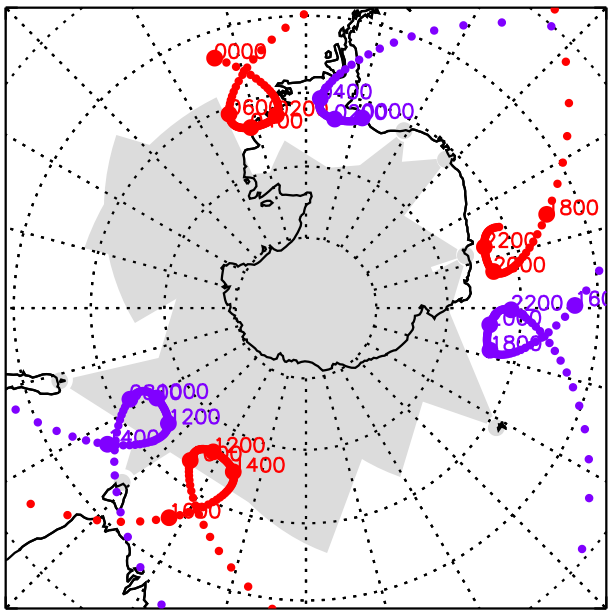

(c) 1510UT to 2000UT
pyk
ker sye
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

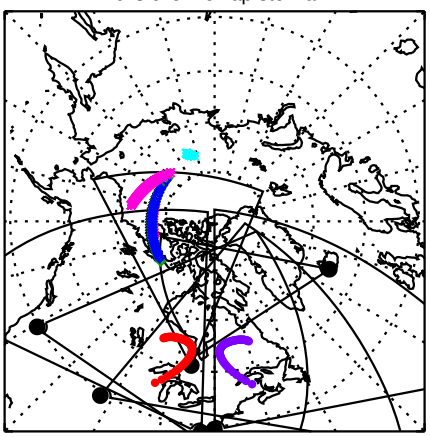
30–Mar–2015

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

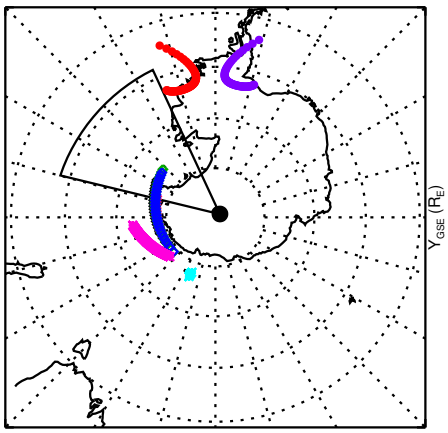


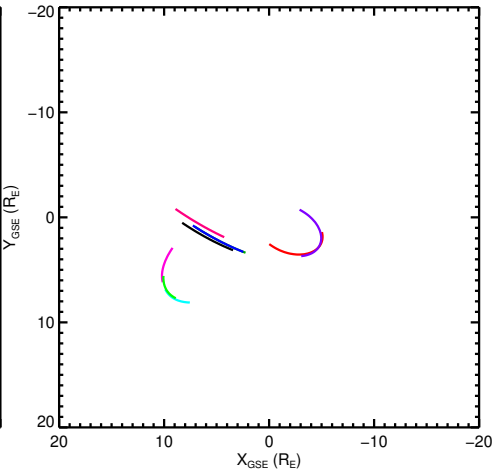


(a) 0005UT to 0505UT
bks cve fhe kap sto wal

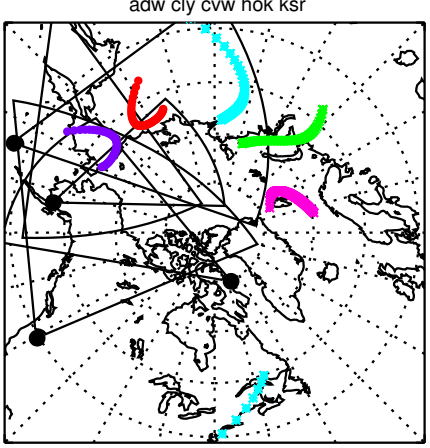


dce

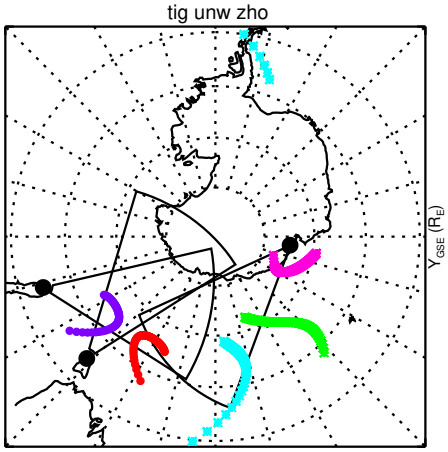


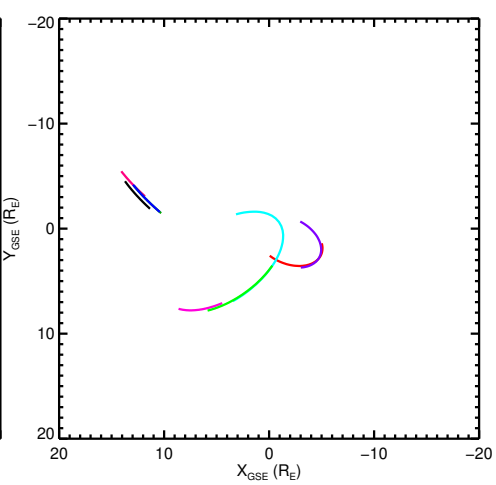


(b) 0905UT to 1405UT
adw cly cvw hok ksr

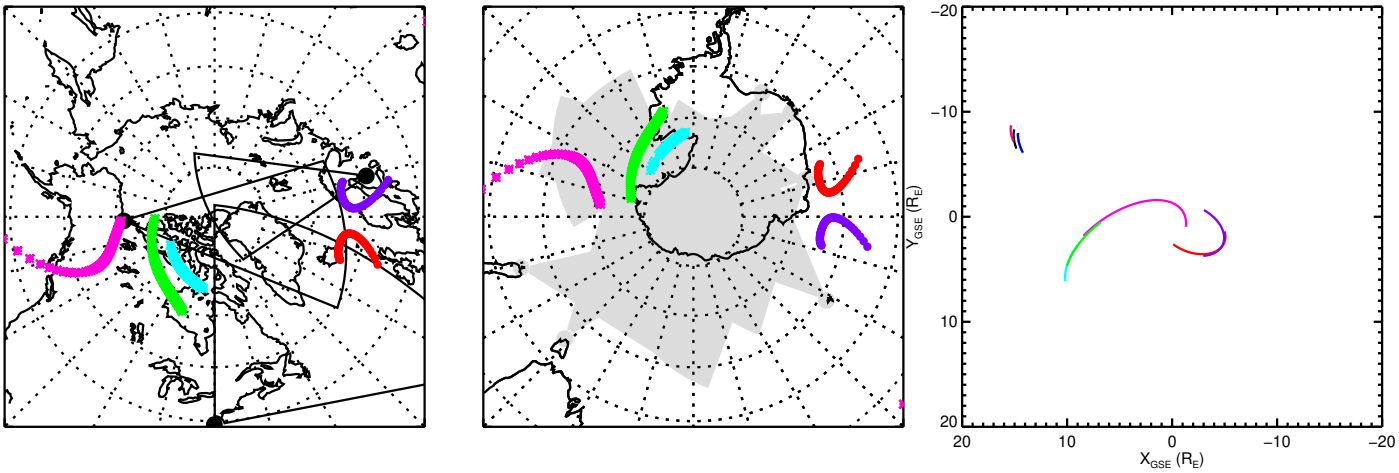


tig unw zho





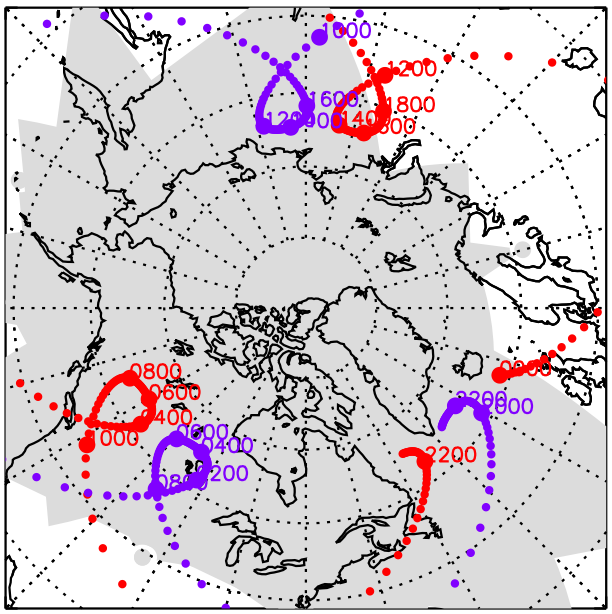
(c) 1805UT to 2305UT
han inv wal

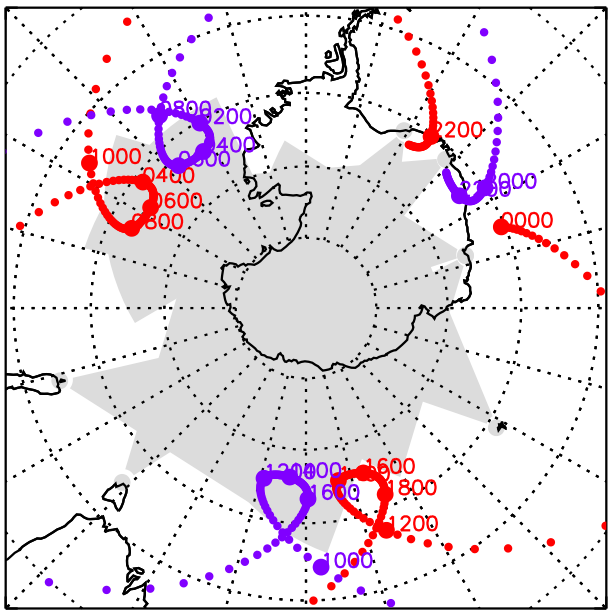


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

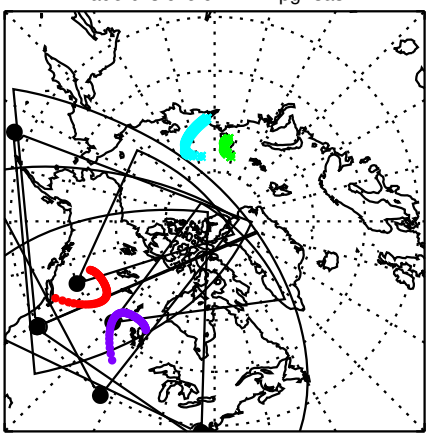
31−Mar−2015

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

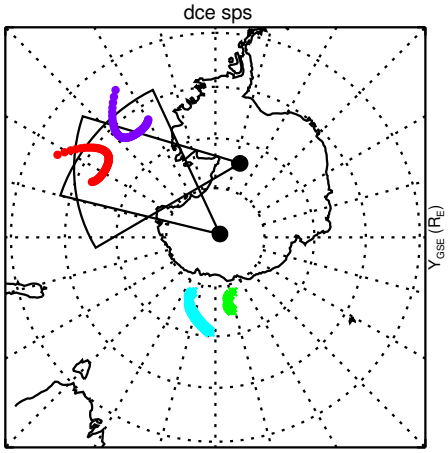


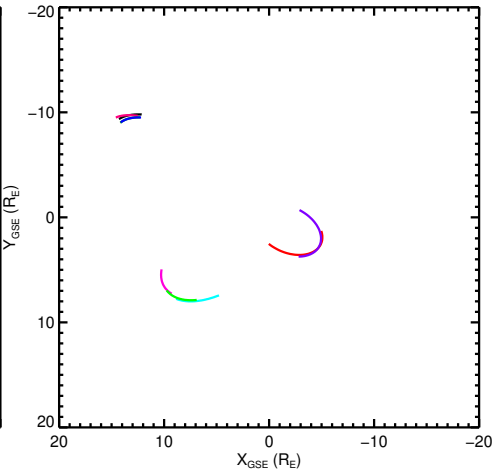


(a) 0300UT to 0810UT
ade bks cve cvw fhw pgr sas

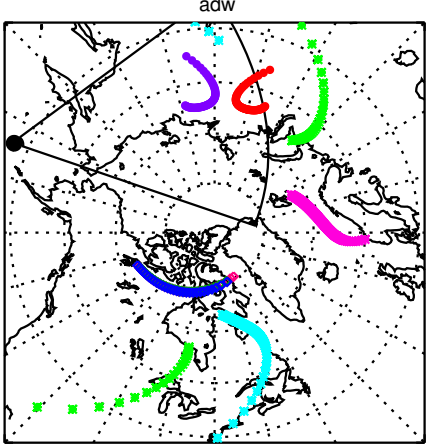


dce sps

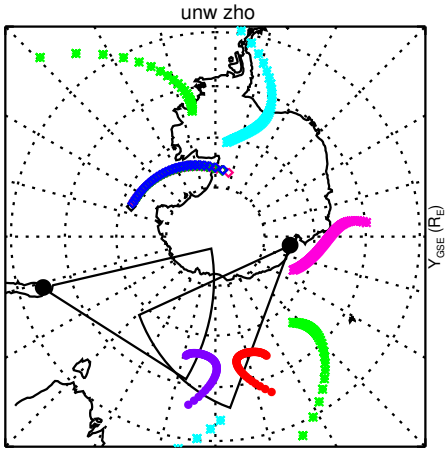


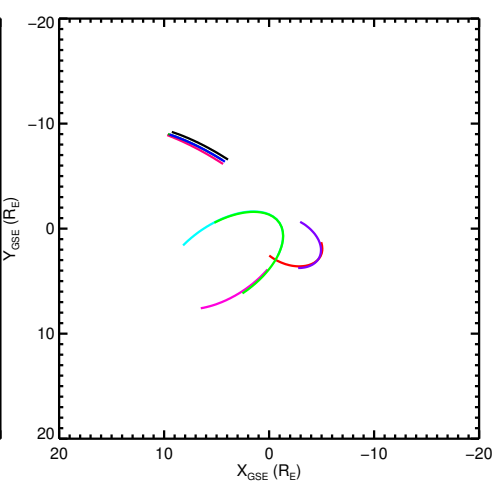
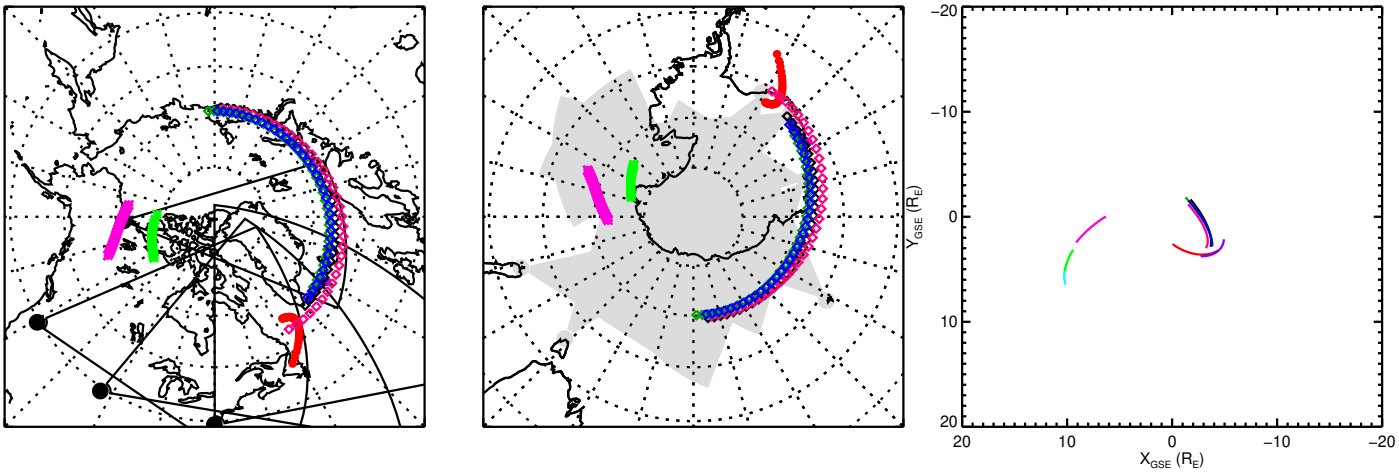


(b) 1200UT to 1710UT
adw



unw zho





(c) 2100UT to 2355UT
cve fhe inv wal