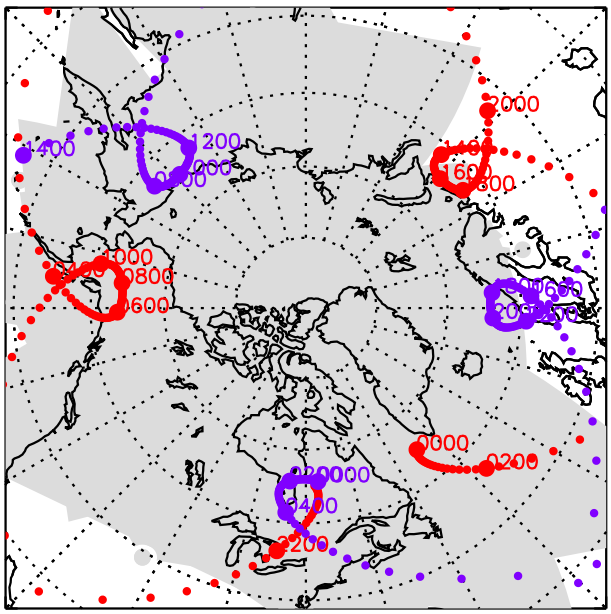
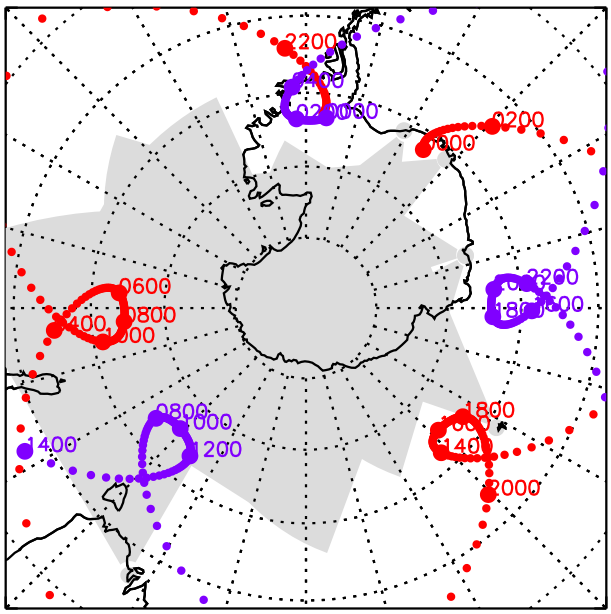
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

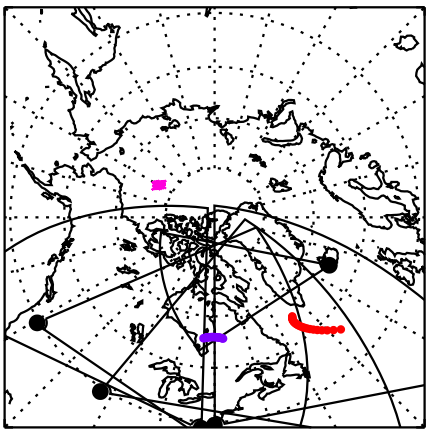
01−May−2015

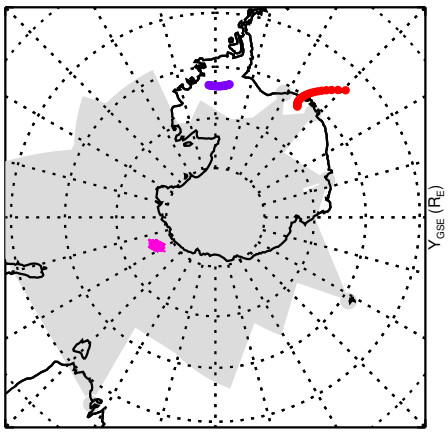
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

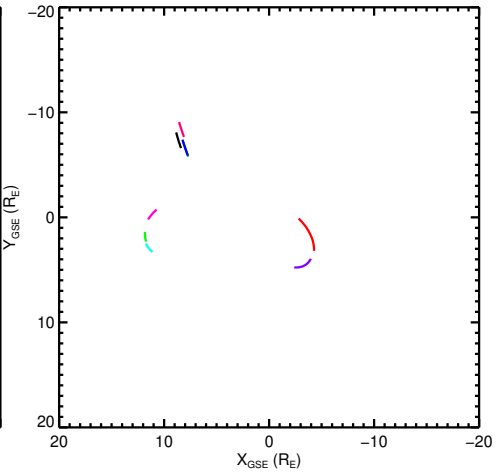




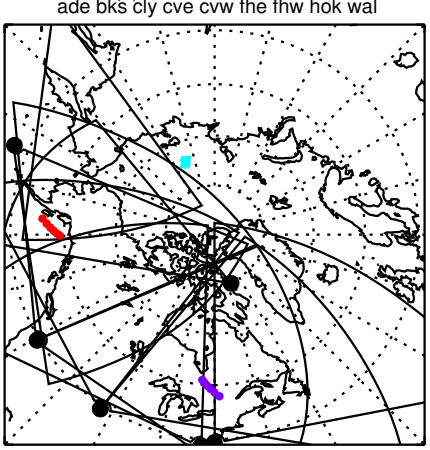
(a) 0000UT to 0200UT
bks cve fhe sto wal



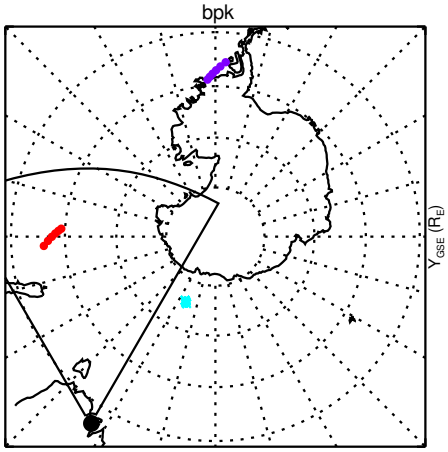


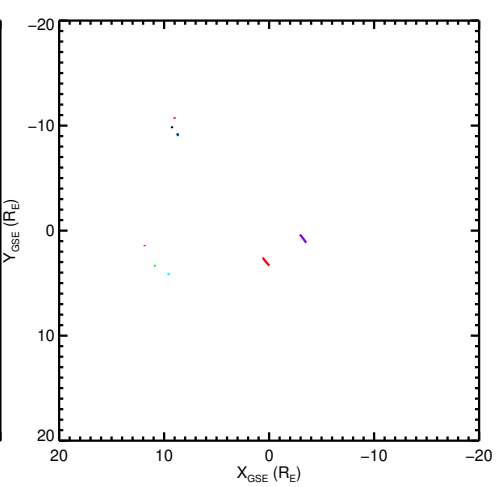


(b) 0405UT to 0430UT
ade bks cly cve cvw fhe fhw hok wal

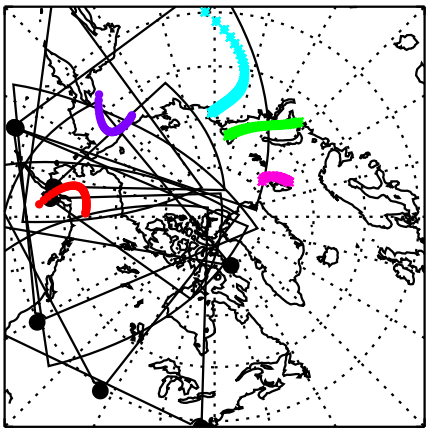


bpk

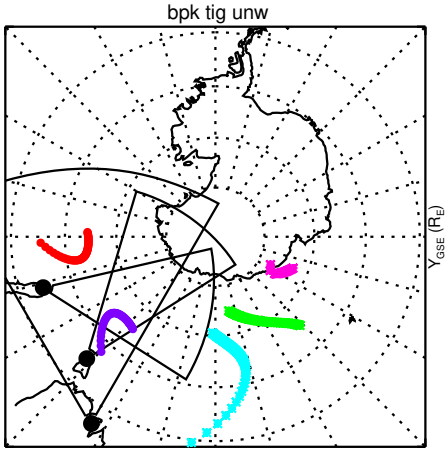


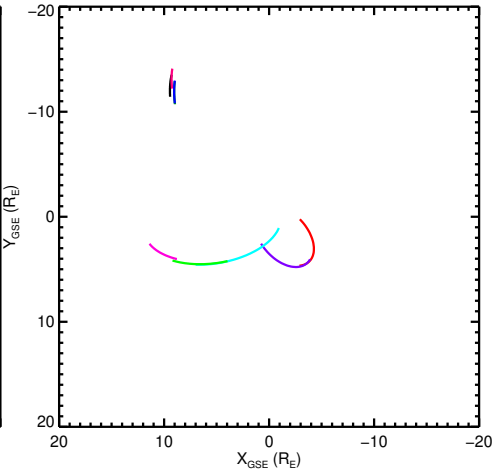


(c) 0640UT to 1055UT
ade adw bks cly cvw fhw hok kod ksr

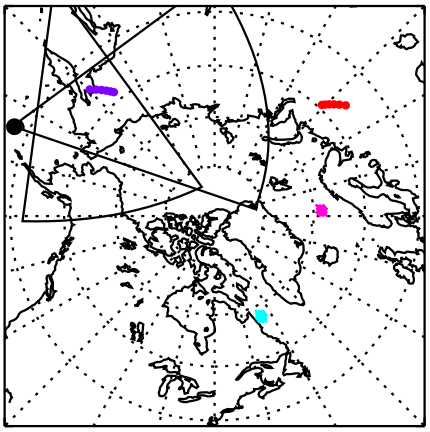


bpk tig unw

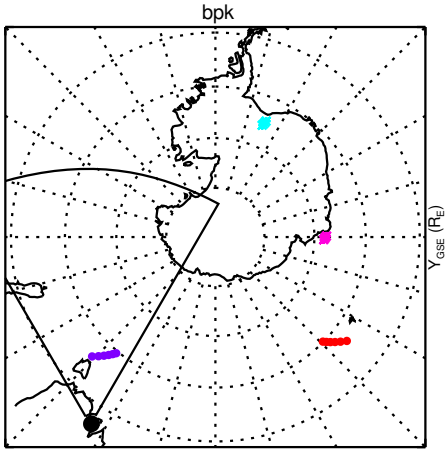


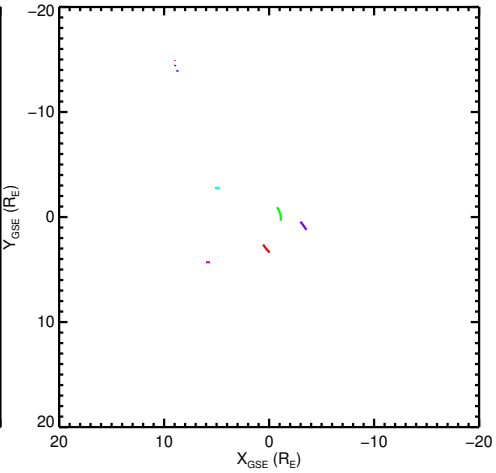


(d) 1305UT to 1330UT
adw hok

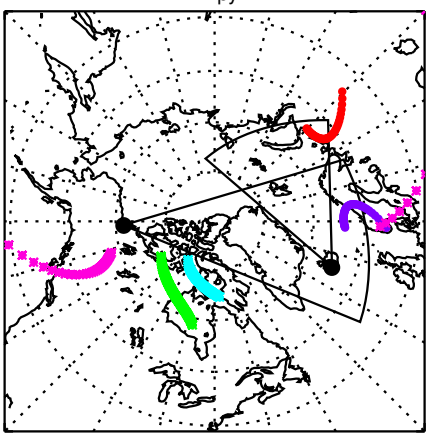


bpk





(e) 1540UT to 1955UT
inv pyk



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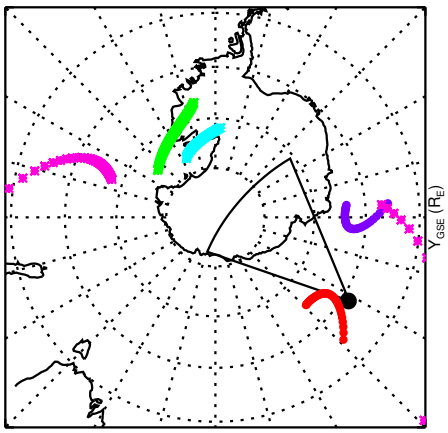
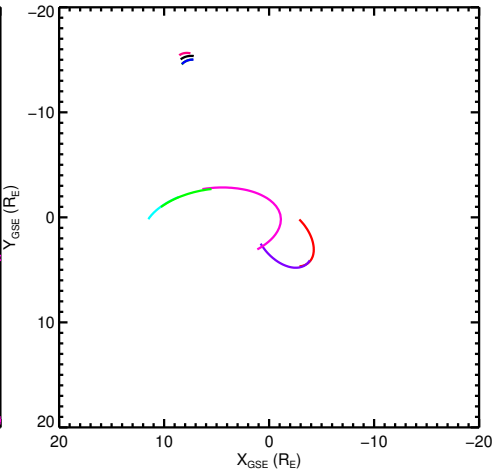
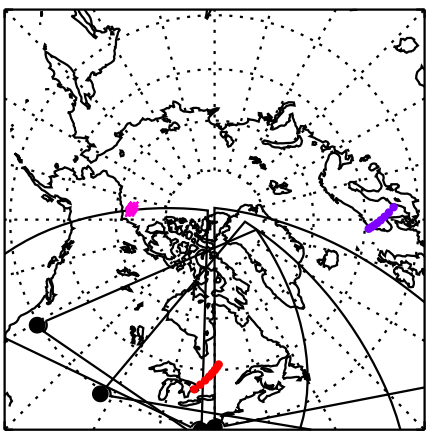
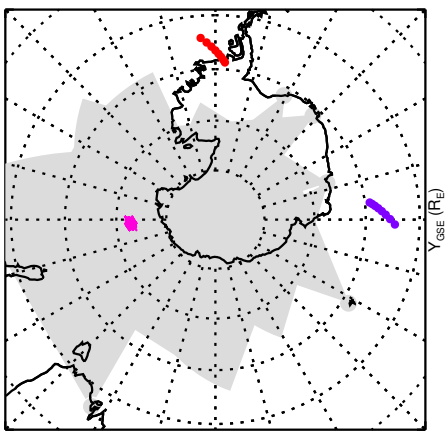
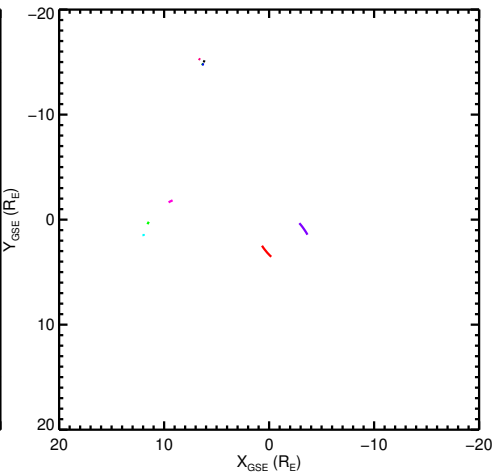




(f) 2200UT to 2235UT
bks cve fhe wal



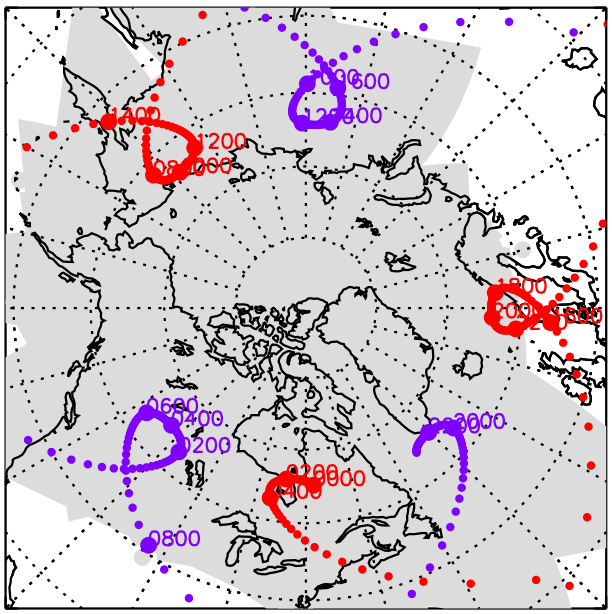


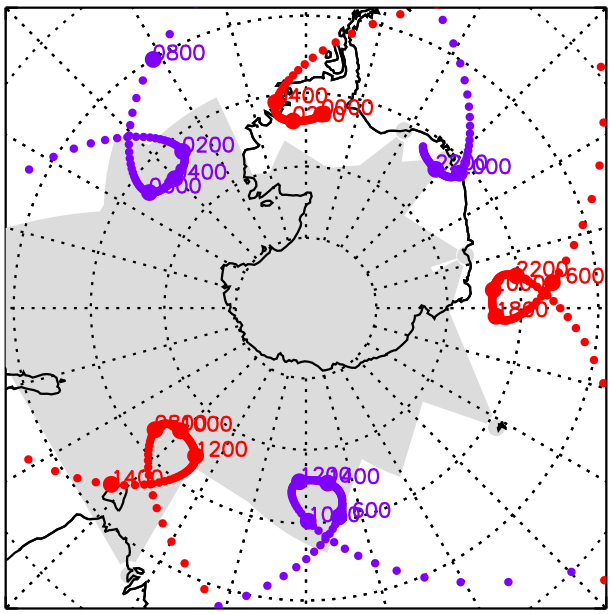


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

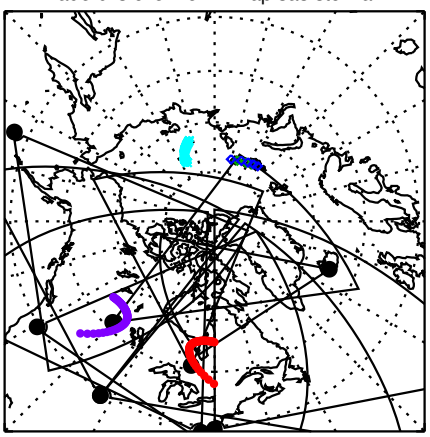
02–May–2015

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

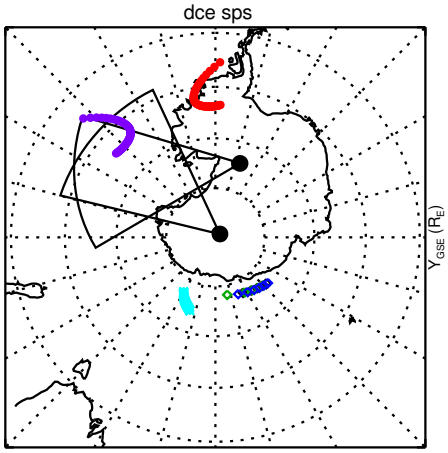


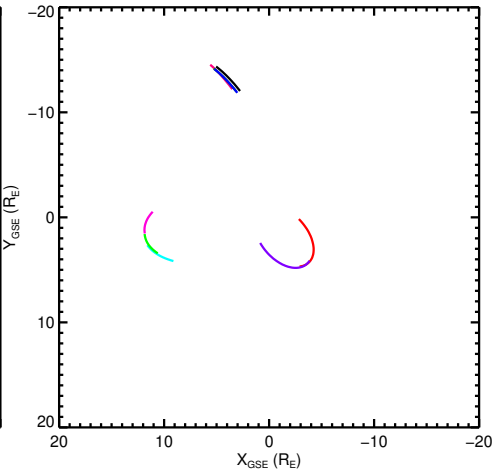


(a) 0040UT to 0455UT
ade bks cve fhe fhw kap sas sto wal

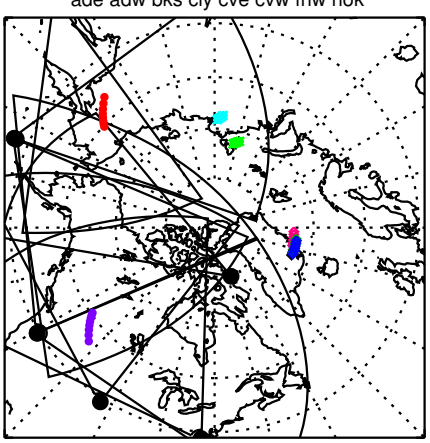


dce sps

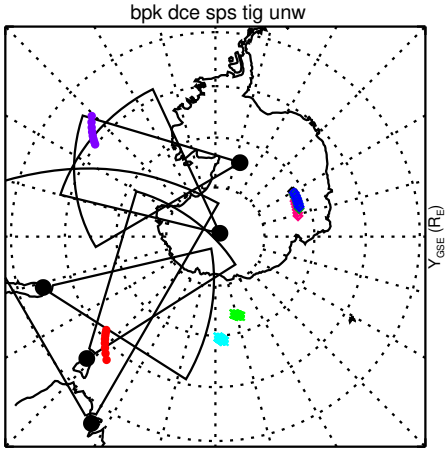


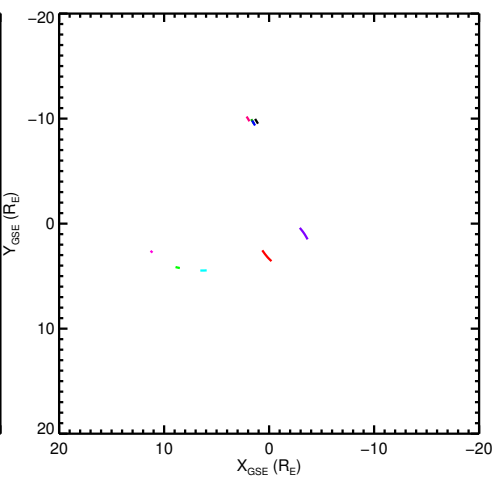


(b) 0700UT to 0735UT
ade adw bks cly cve cvw fhw hok

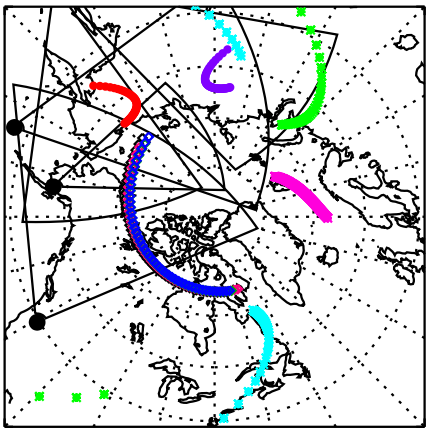


bpk dce sps tig unw

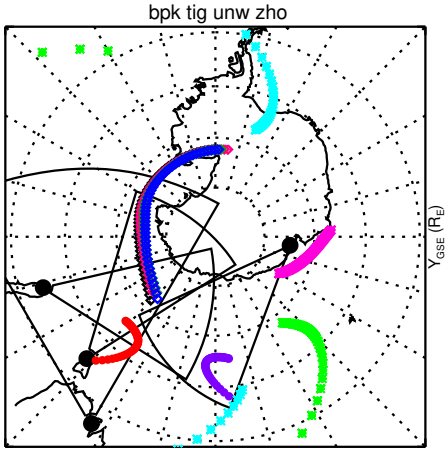


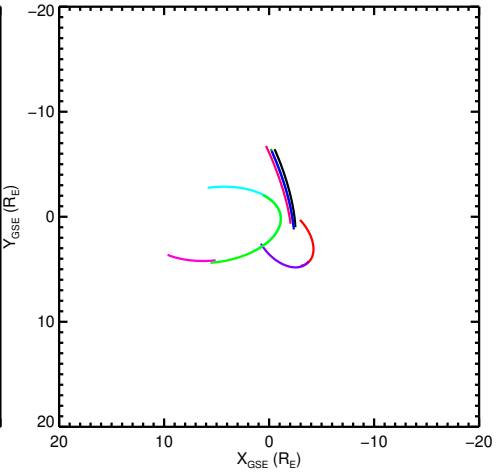


(c) 0945UT to 1350UT
adw cvw hkw hok ksr

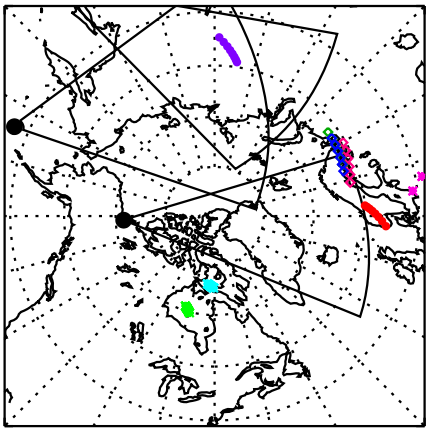


bpk tig unw zho

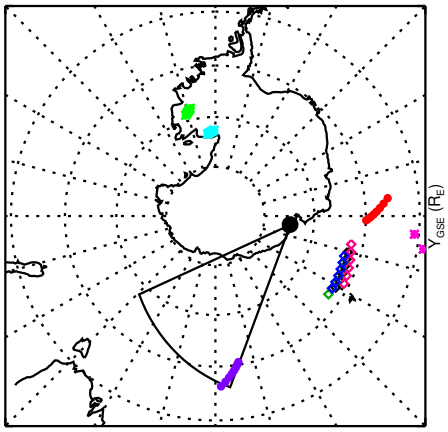


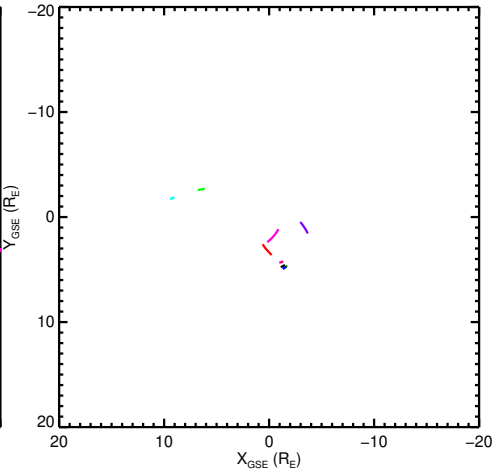


(d) 1600UT to 1635UT
adw hkw inv

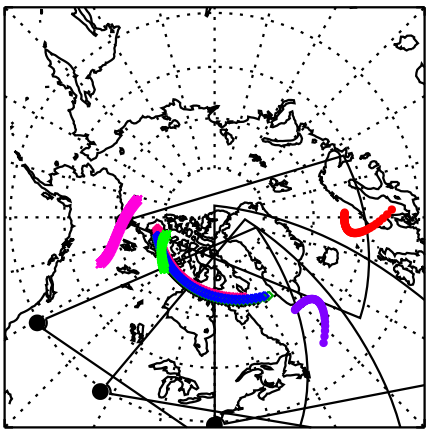


zho





(e) 1845UT to 2250UT
cve fhe inv wal



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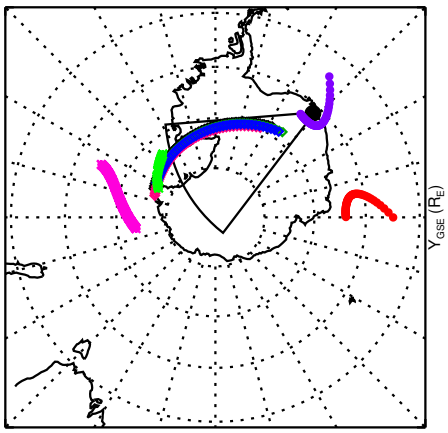
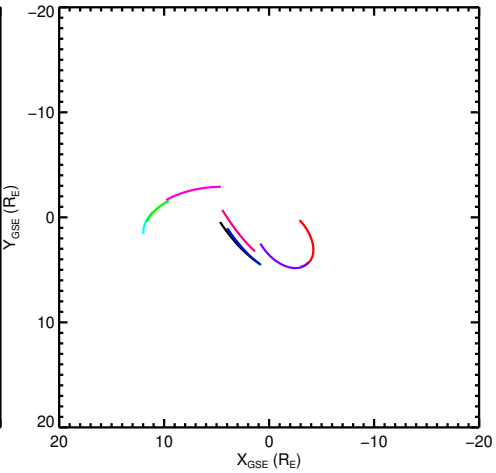
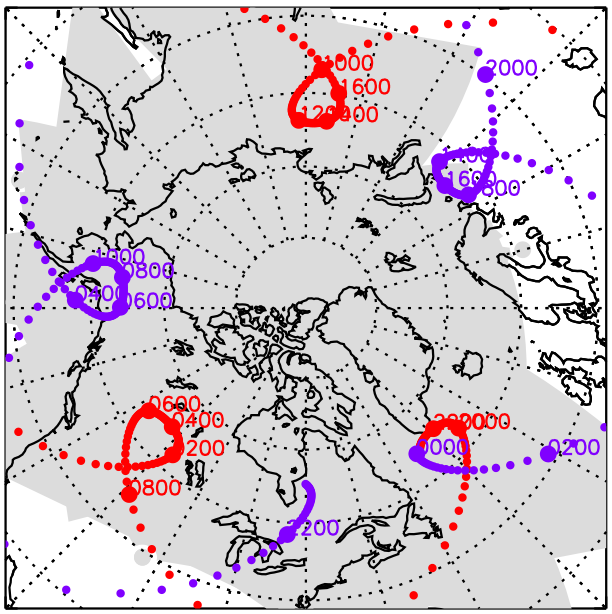


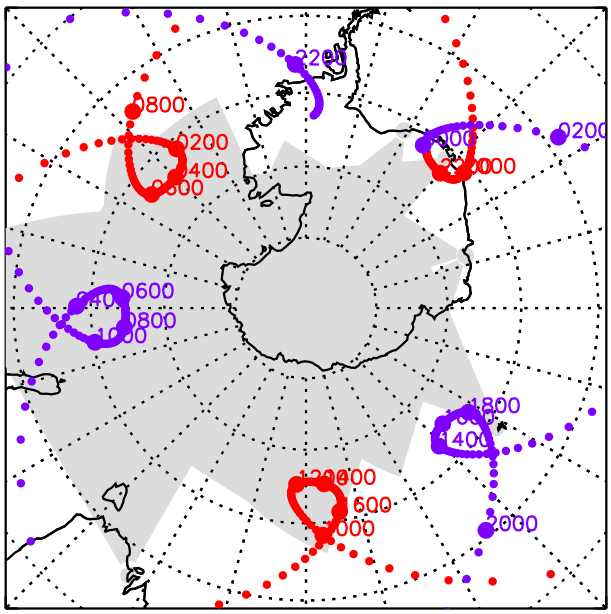


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

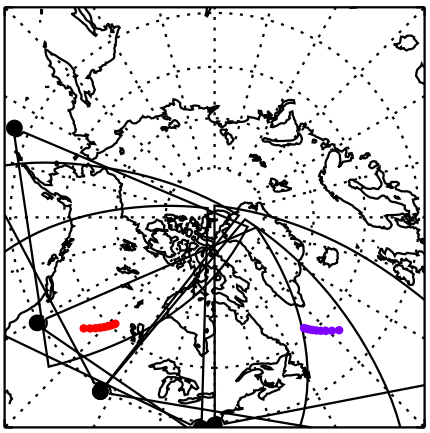
03–May–2015

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

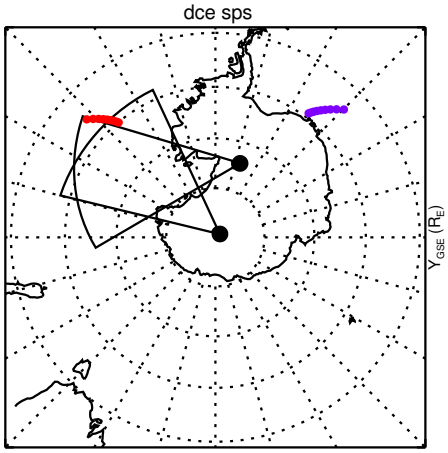


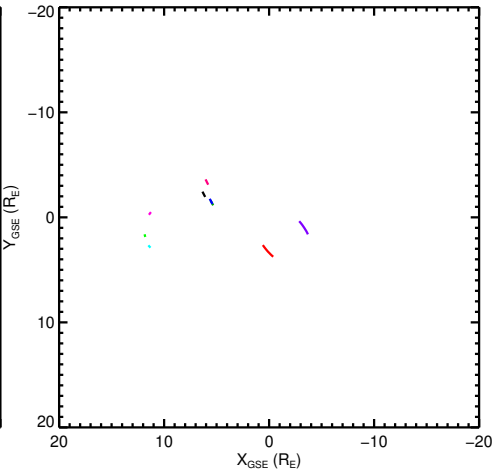


(a) 0100UT to 0140UT
ade bks cve fhe fhw wal

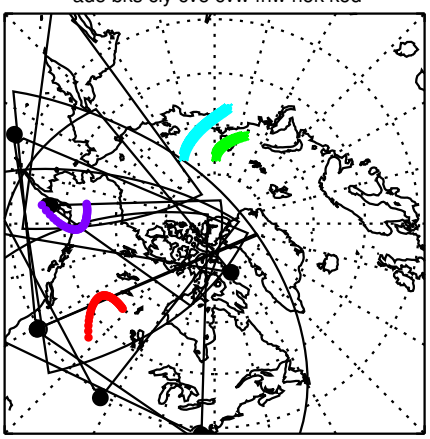


dce sps

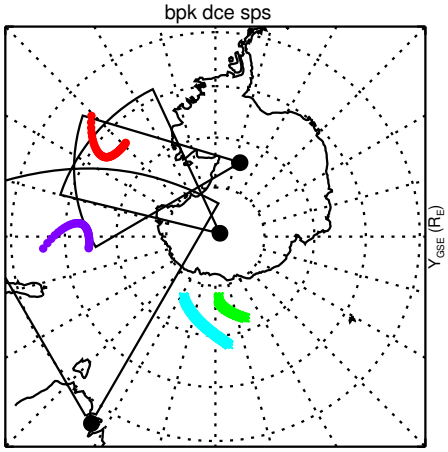


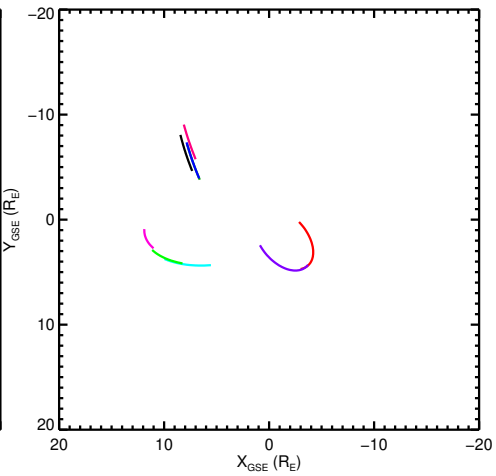


(b) 0345UT to 0750UT
ade bks cly cve cvw fhw hok kod

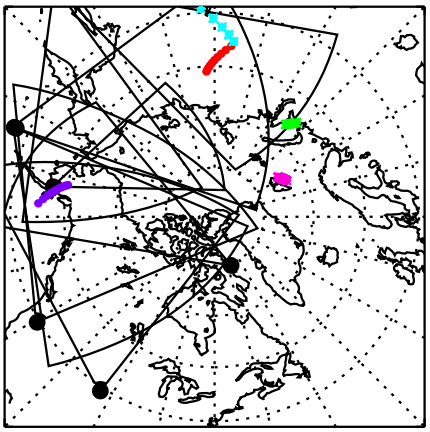


bpk dce sps

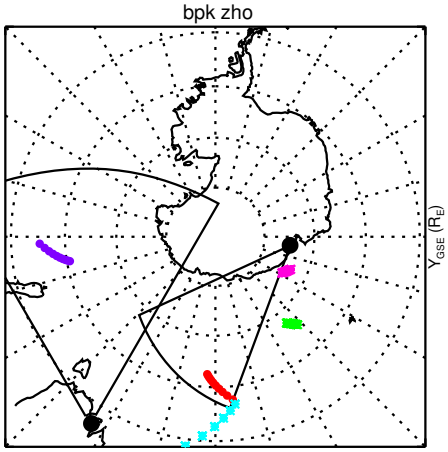


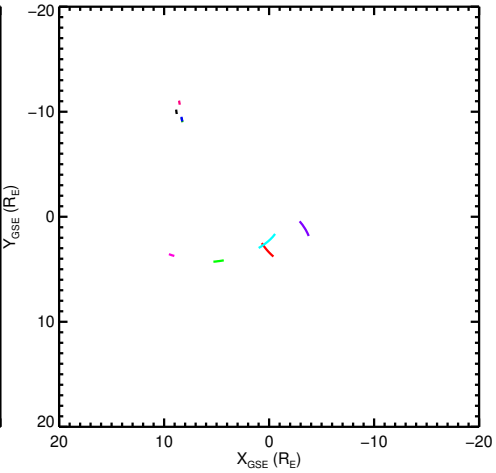


(c) 0955UT to 1040UT
ade adw cly cvw fhw hkw hok ksr

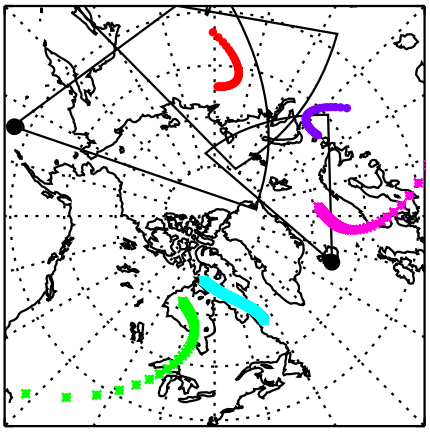


bpk zho

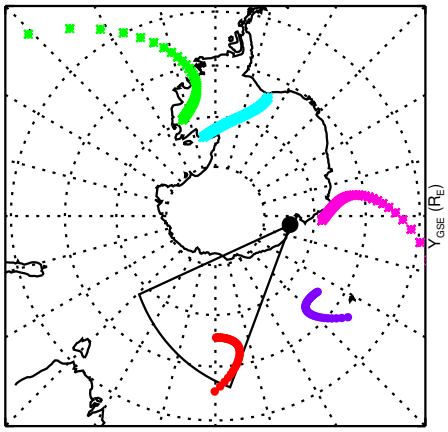


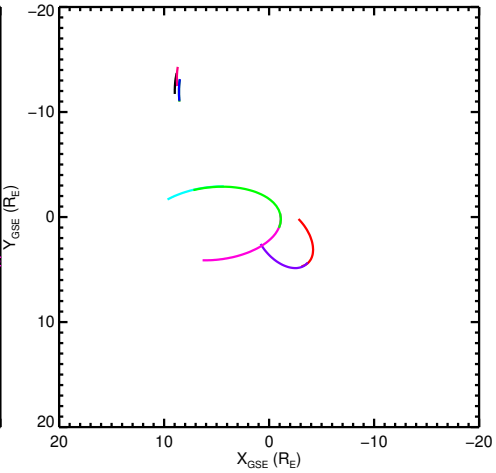


(d) 1250UT to 1650UT
adw hkw pyk

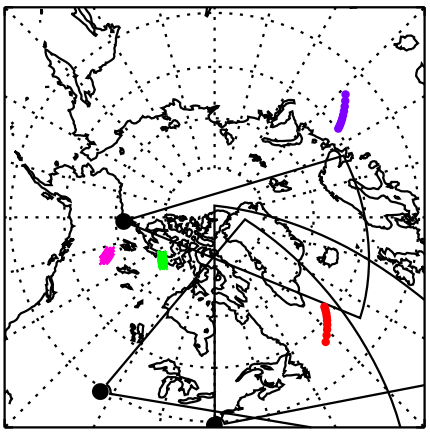


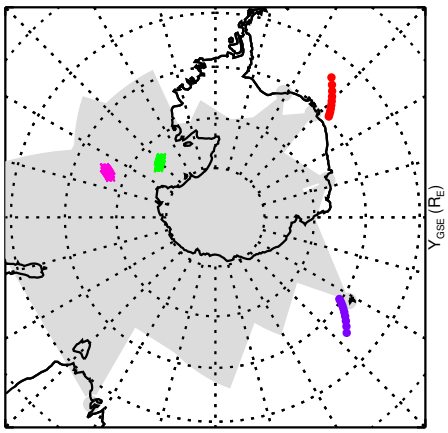
zho

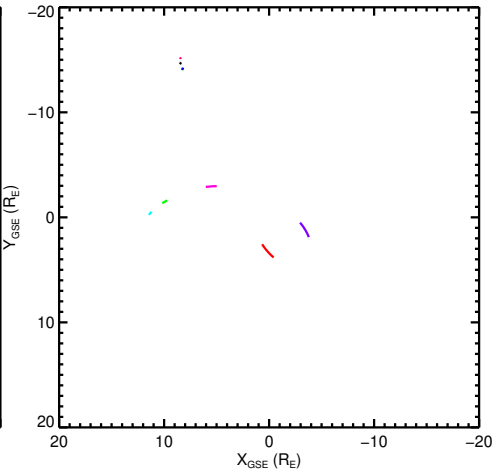




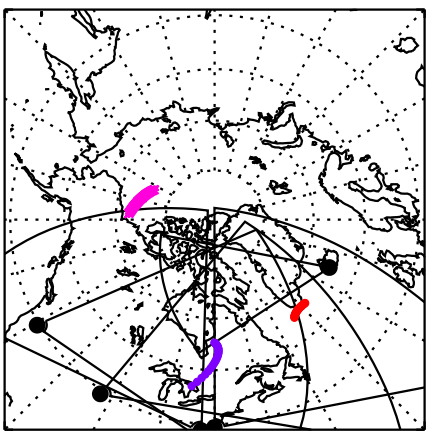
(e) 1855UT to 1940UT
fhe inv wal



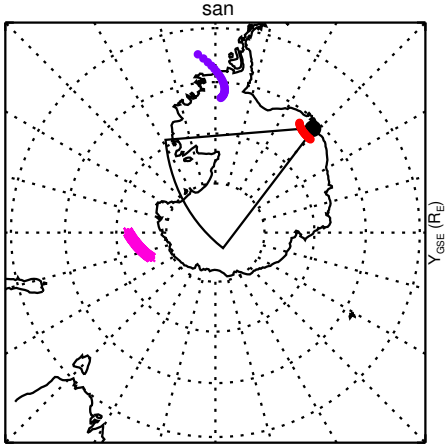


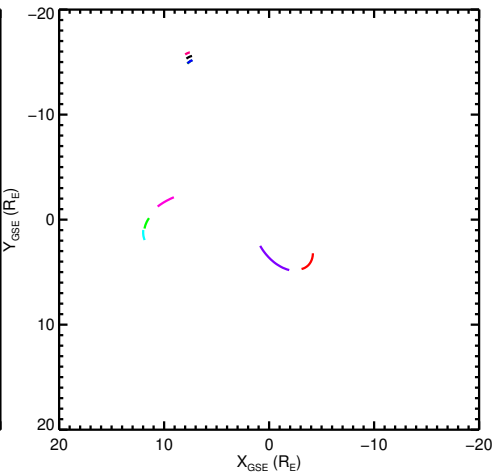


(f) 2150UT to 2355UT
bks cve fhe sto wal



san

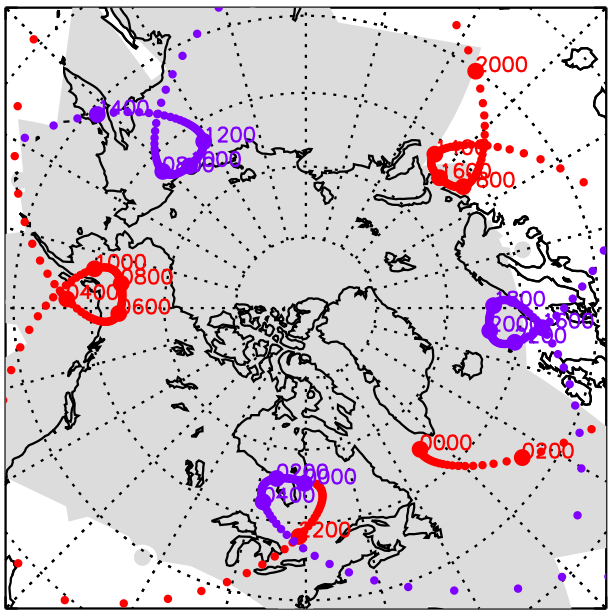


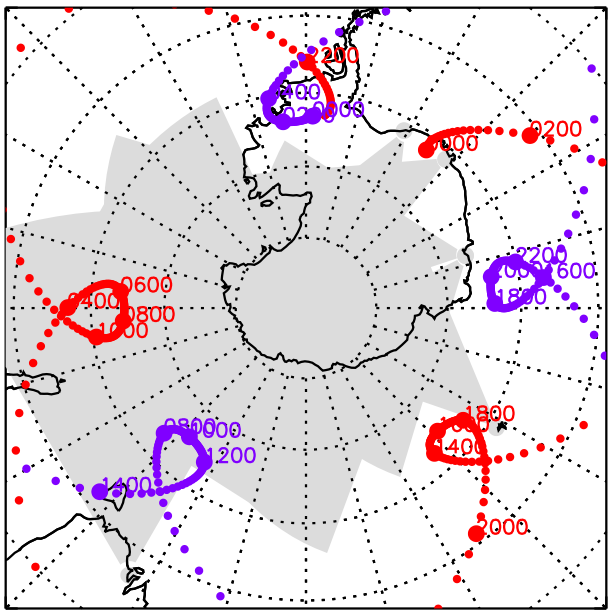


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

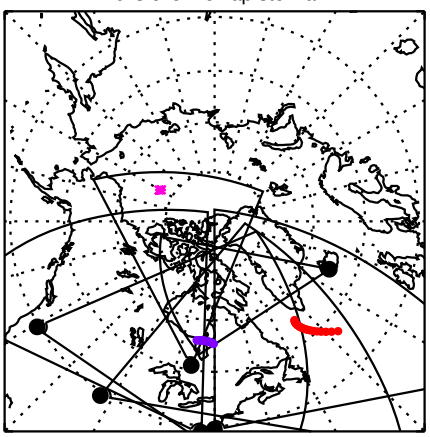
04–May–2015

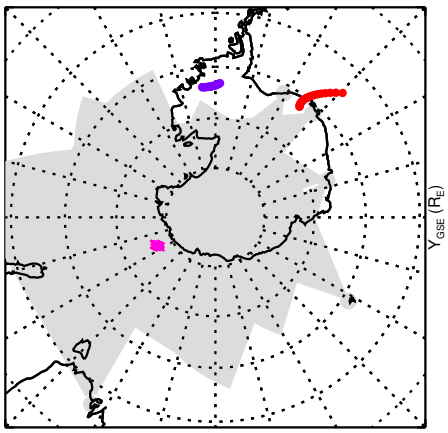
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

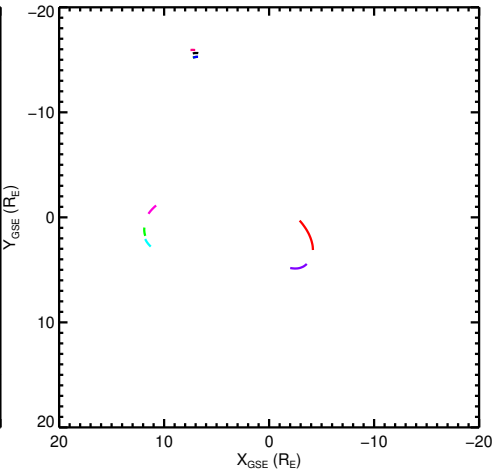




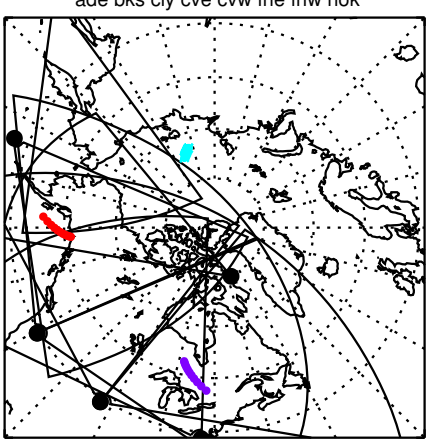
(a) 0000UT to 0145UT
bks cve fhe kap sto wal



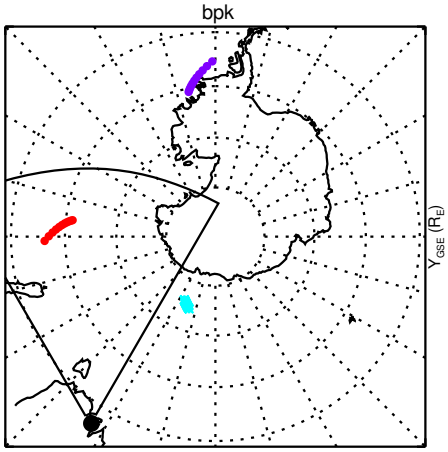


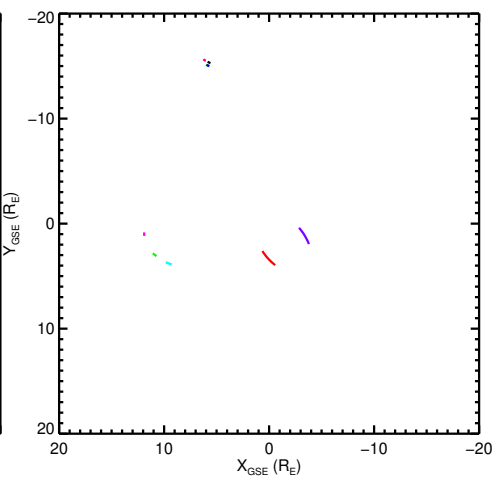


(b) 0355UT to 0445UT
ade bks cly cve cvw fhe fhw hok

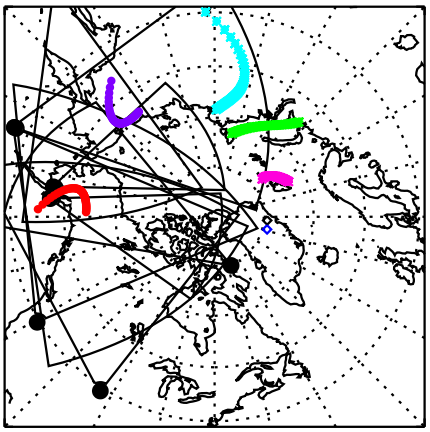


bpk

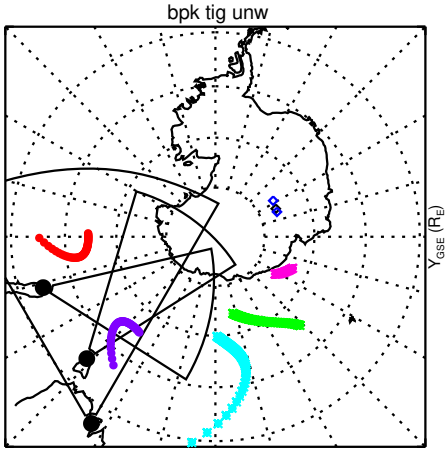


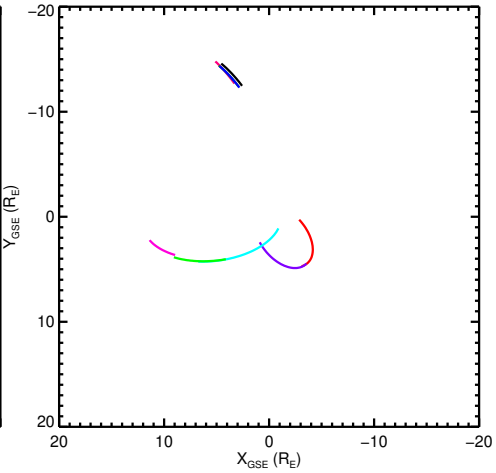


(c) 0650UT to 1045UT
ade adw cly cvw fhw hok kod ksr

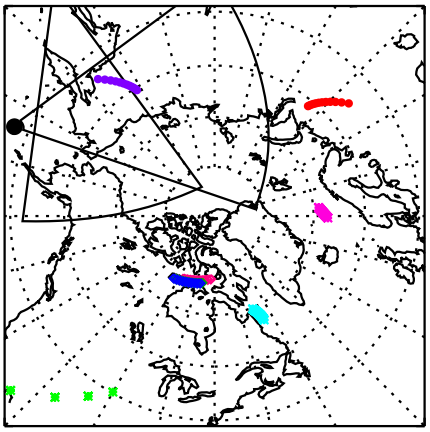


bpk tig unw

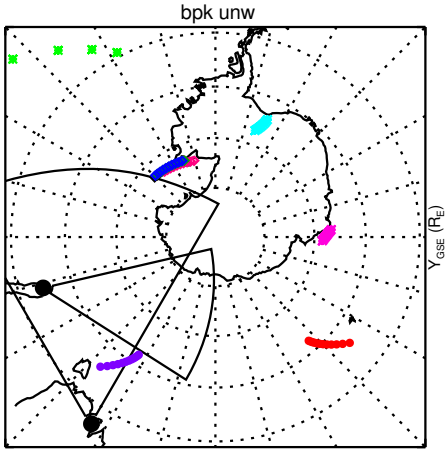


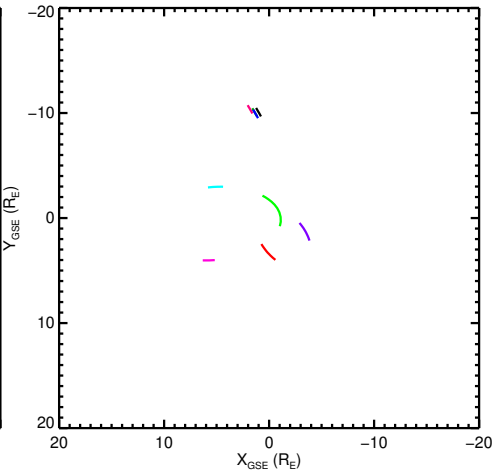


(d) 1250UT to 1345UT
adw hok

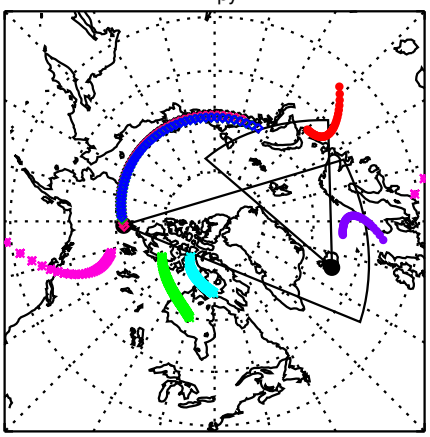


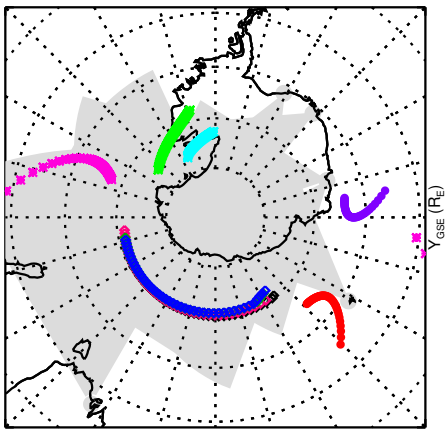
bpk unw

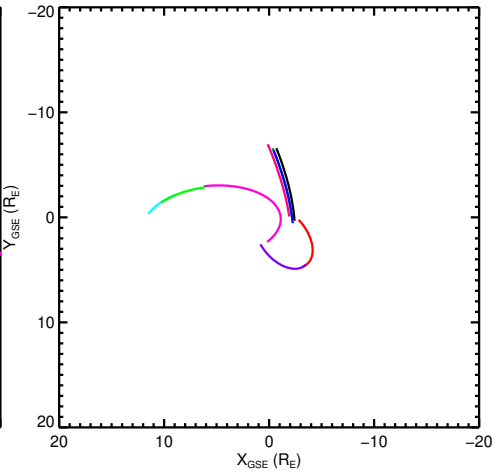




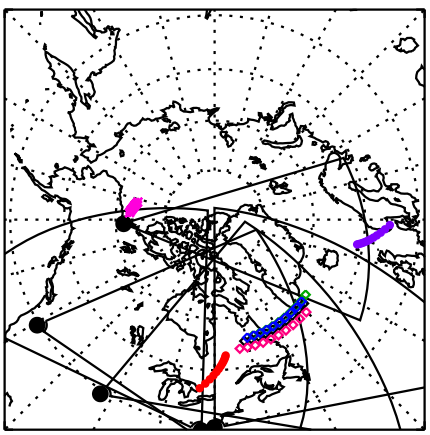
(e) 1555UT to 1945UT
inv pyk

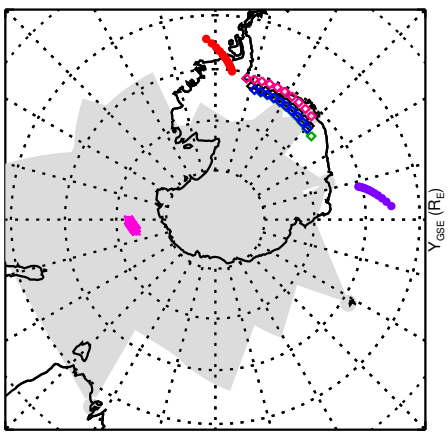


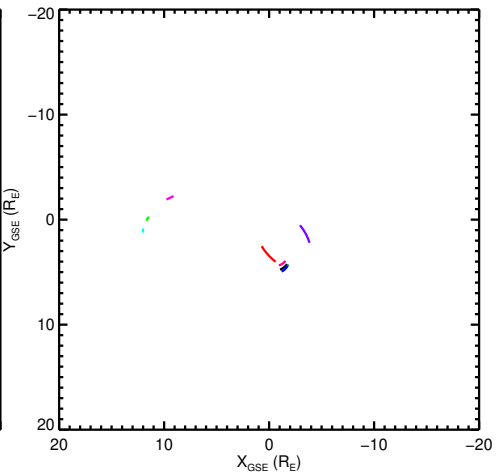




(f) 2150UT to 2245UT
bks cve fhe inv wal



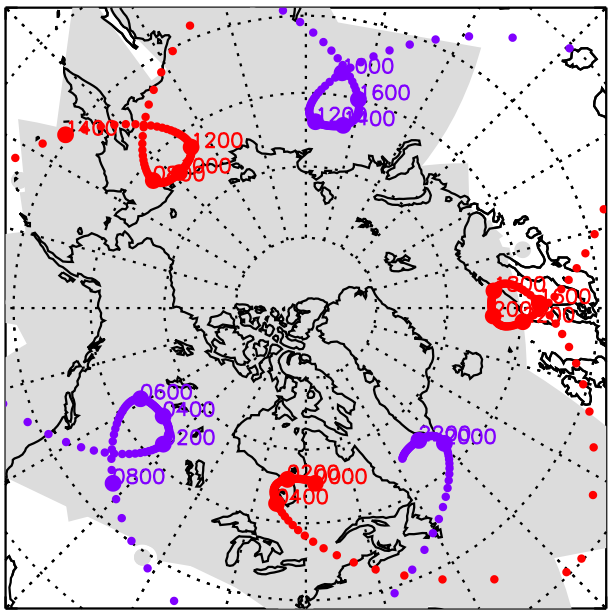


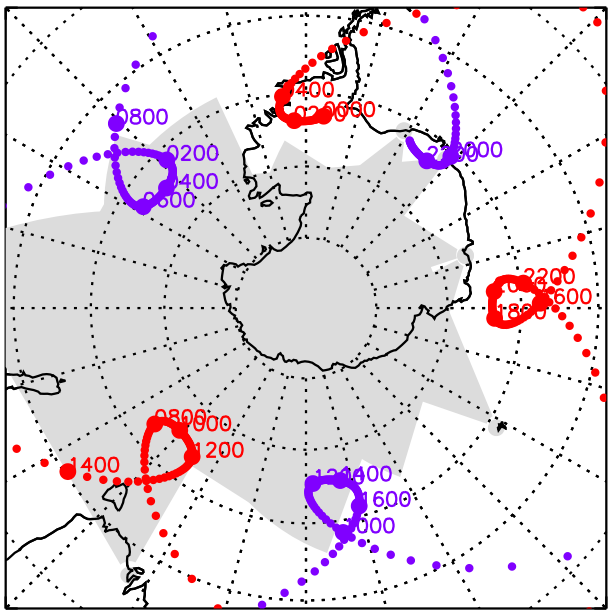


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

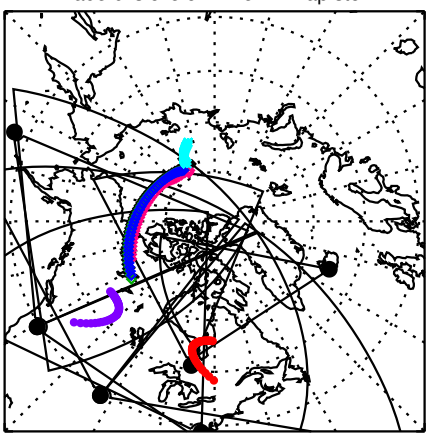
05–May–2015

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

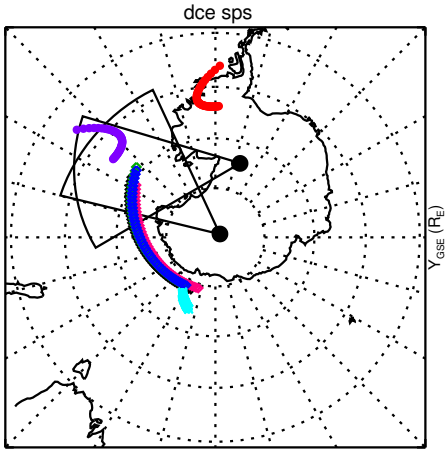


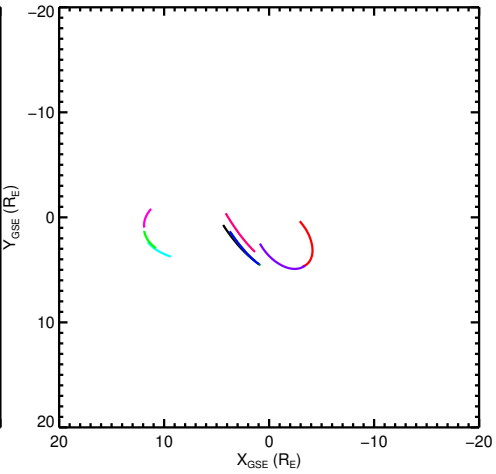


(a) 0055UT to 0440UT
ade bks cve cvw fhe fhw kap sto

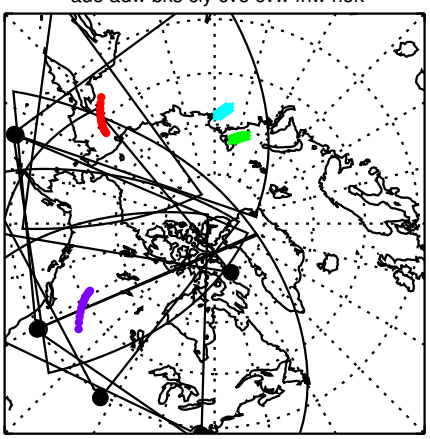


dce sps

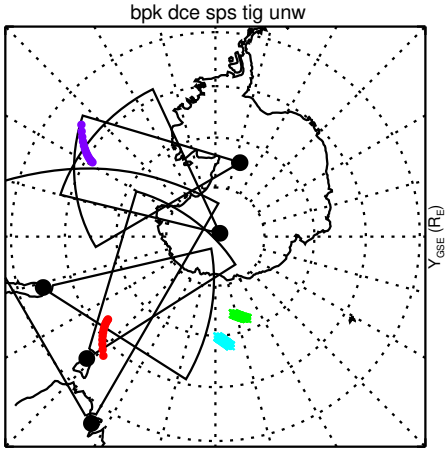


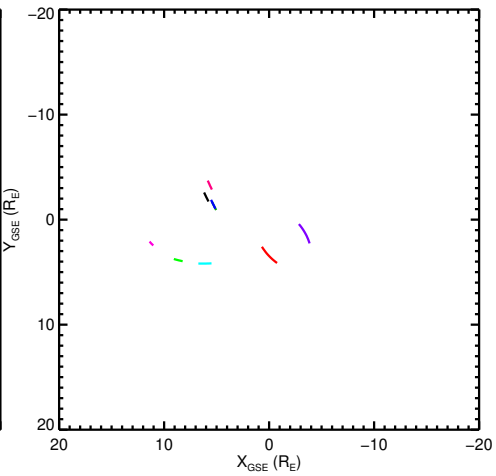


(b) 0650UT to 0750UT
ade adw bks cly cve cvw fhw hok



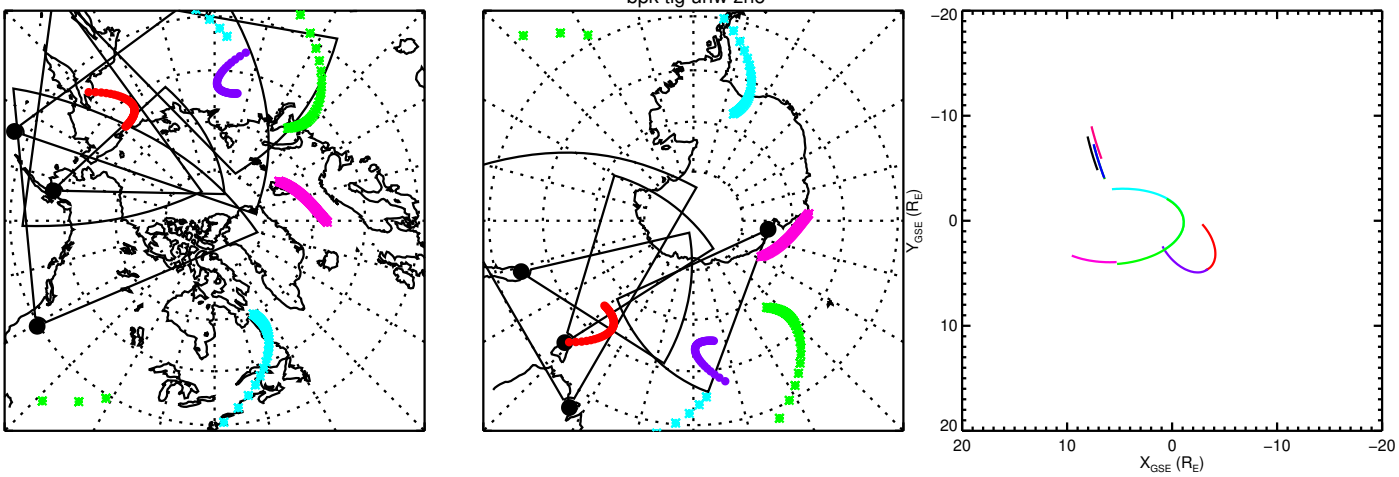
bpk dce sps tig unw



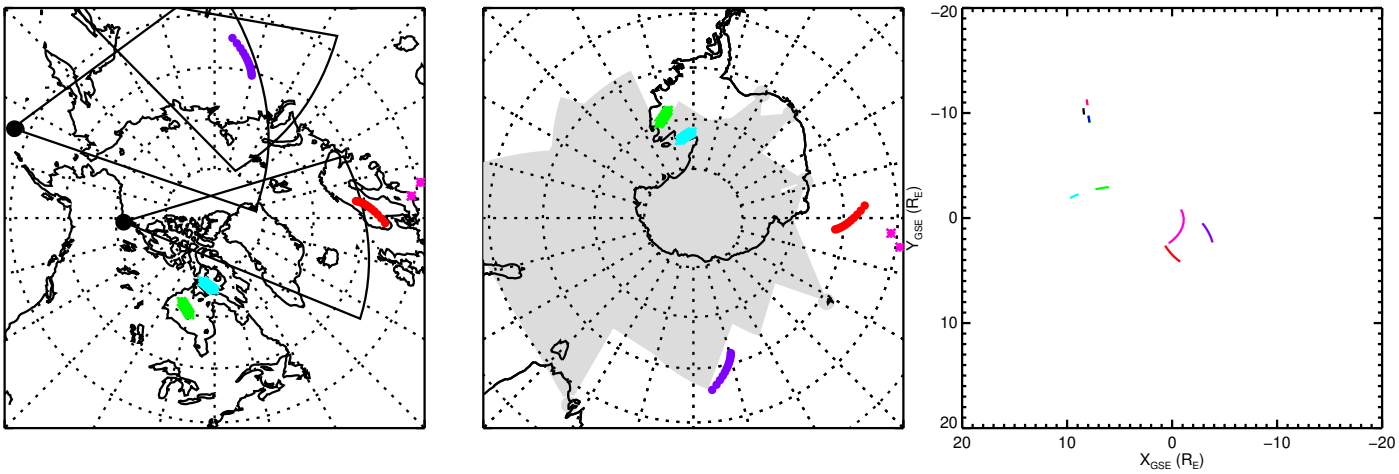


(c) 0955UT to 1340UT
adw cvw hkw hok ksr

bpk tig unw zho

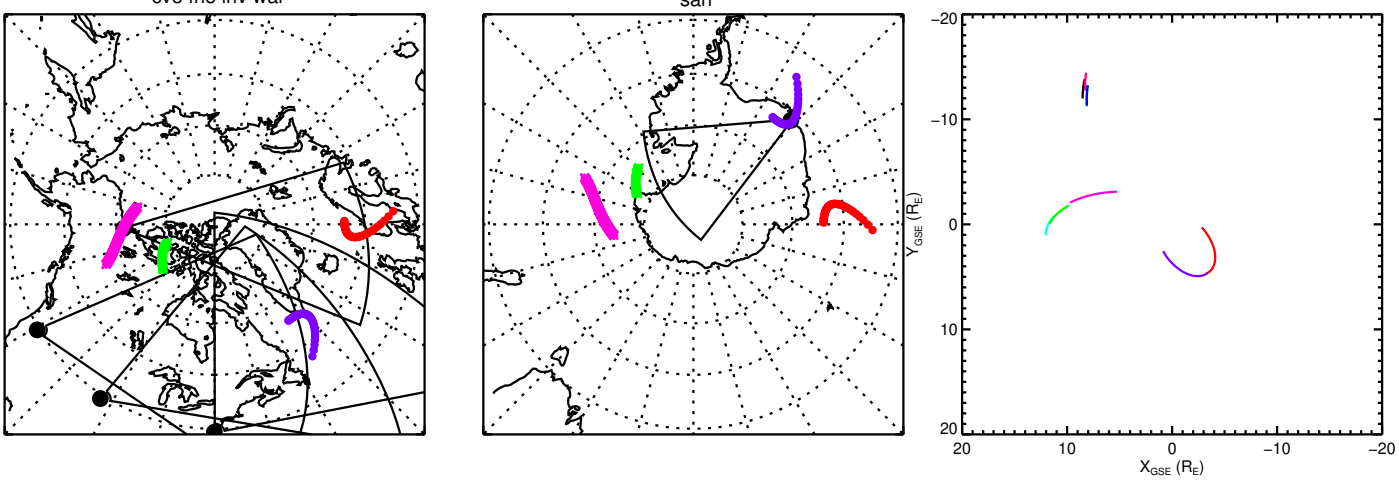


(d) 1550UT to 1650UT
adw hkw inv



(e) 1900UT to 2240UT
cve fhe inv wal

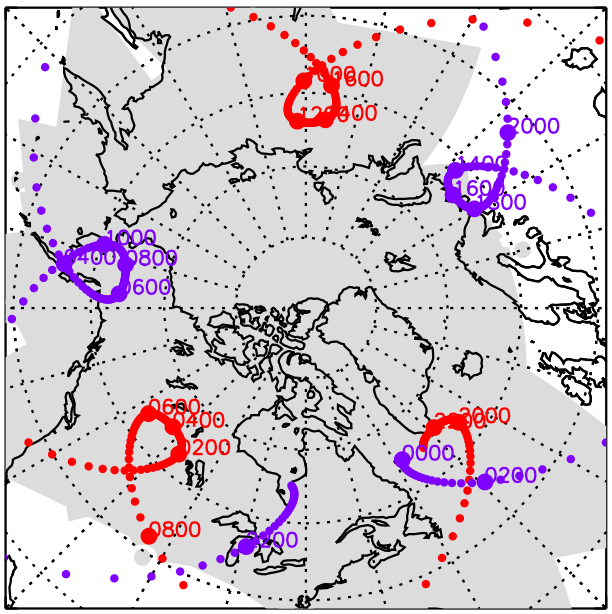
san

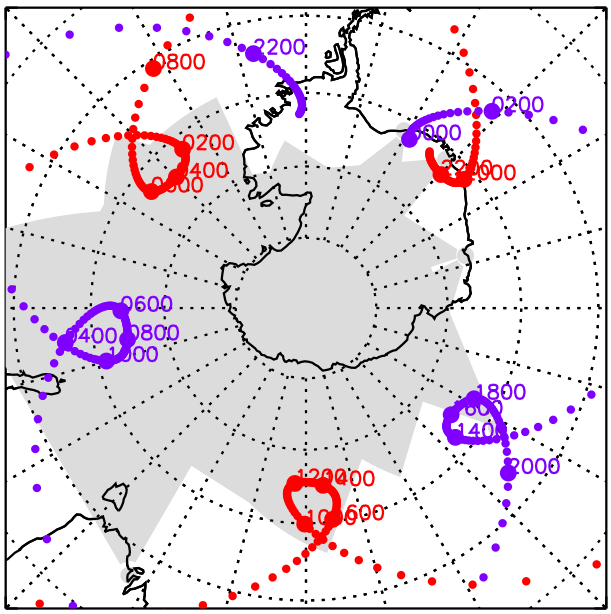


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

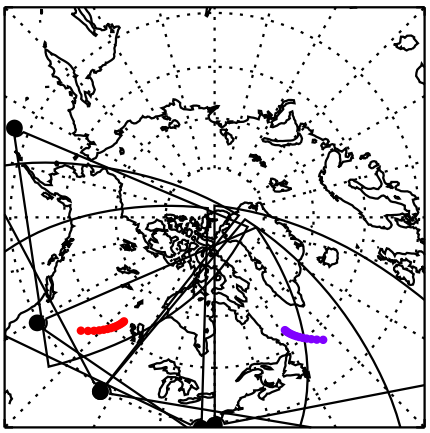
06–May–2015

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

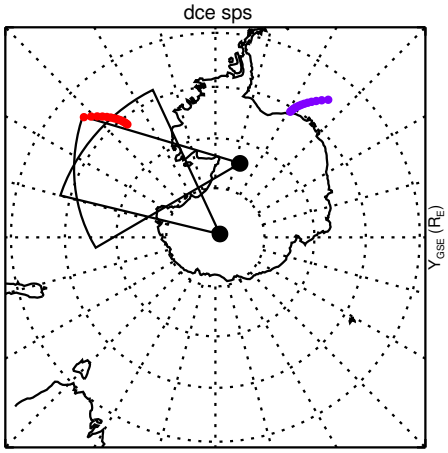


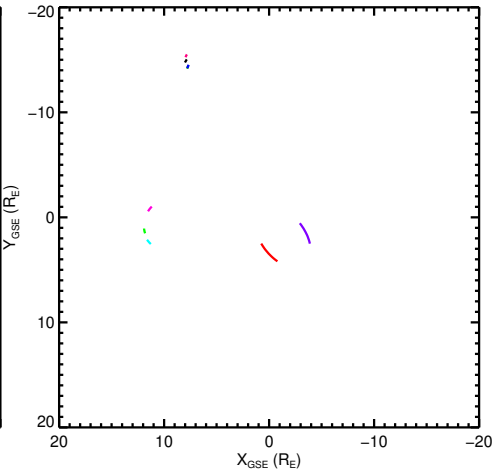


(a) 0045UT to 0150UT
ade bks cve fhe fhw wal

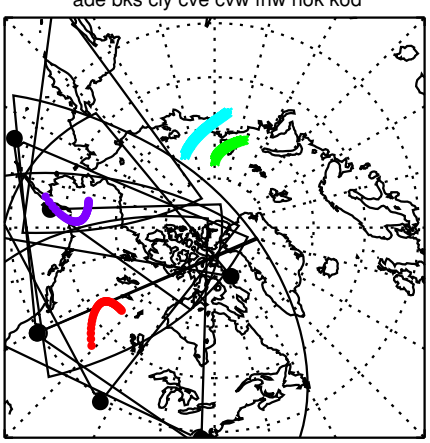


dce sps

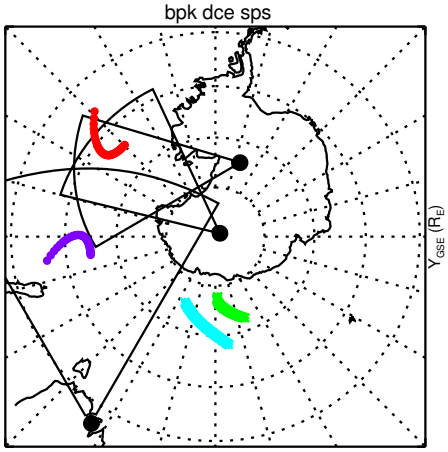


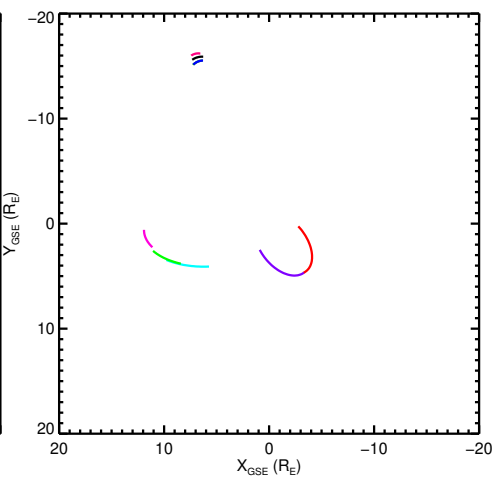


(b) 0400UT to 0740UT
ade bks cly cve cvw fhw hok kod

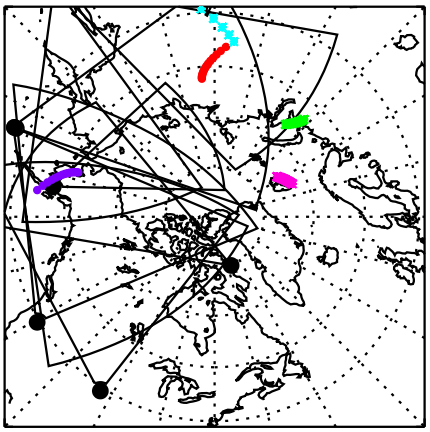


bpk dce sps

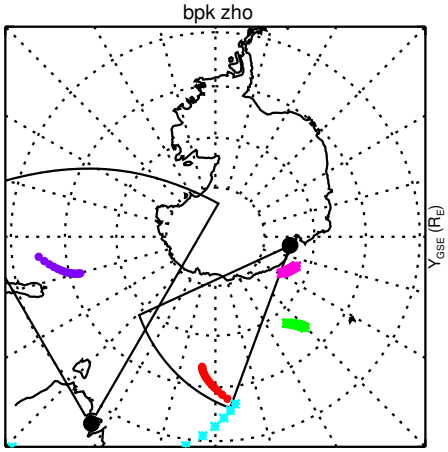


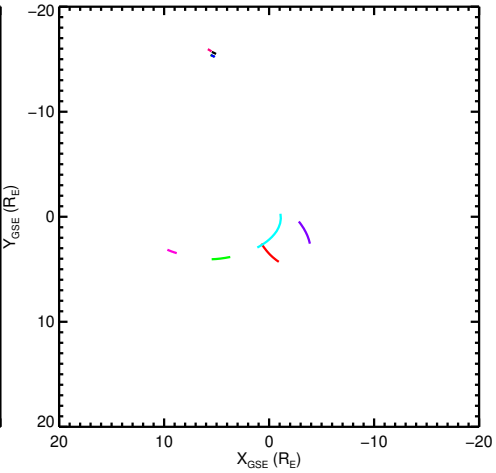


(c) 0945UT to 1055UT
ade adw cly cvw fhw hkw hok ksr

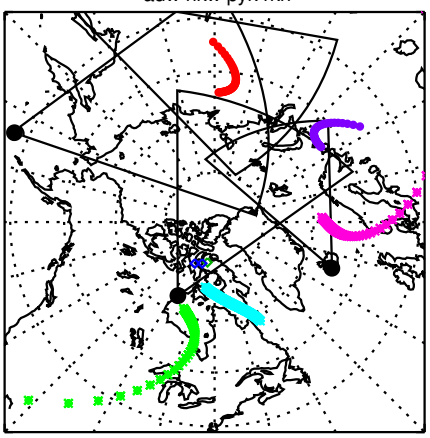


bpk zho

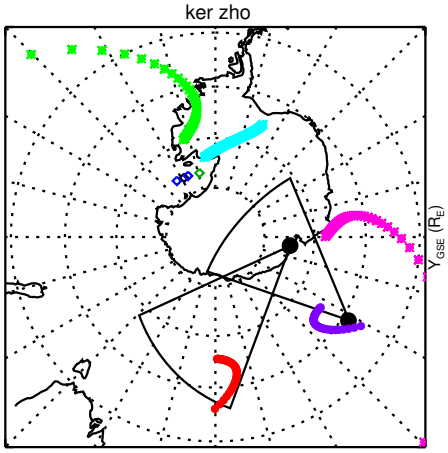


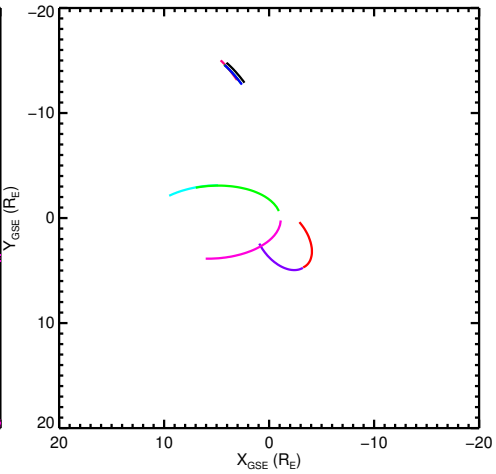


(d) 1300UT to 1635UT
adw hkw pyk rkn

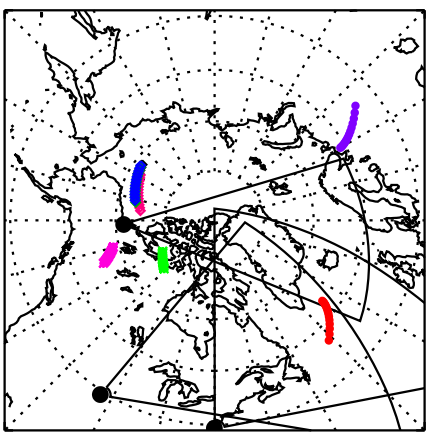


ker zho

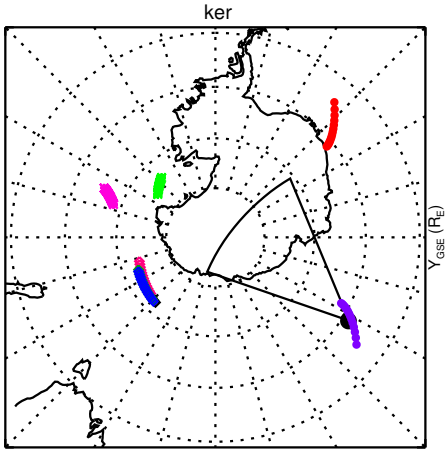


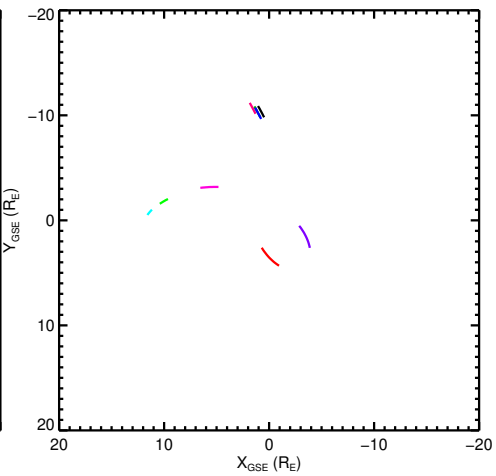


(e) 1845UT to 1955UT
fhe inv wal

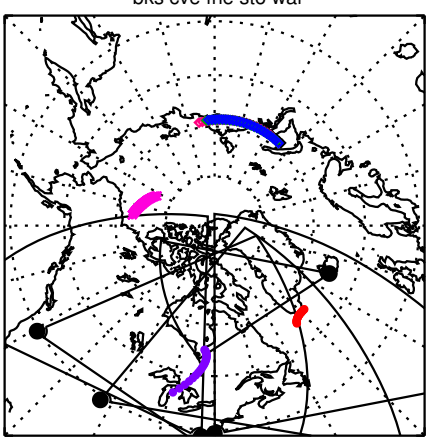


ker

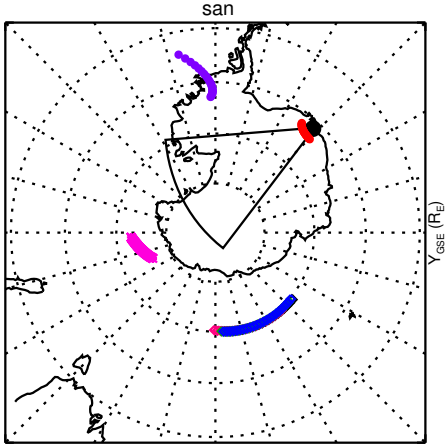


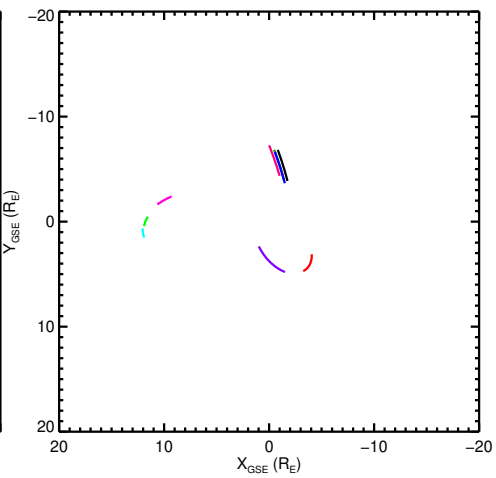


(f) 2200UT to 2355UT
bks cve fhe sto wal



san

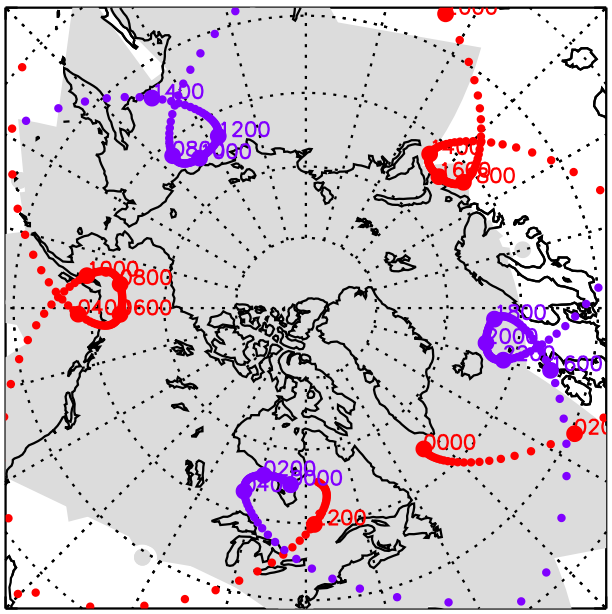


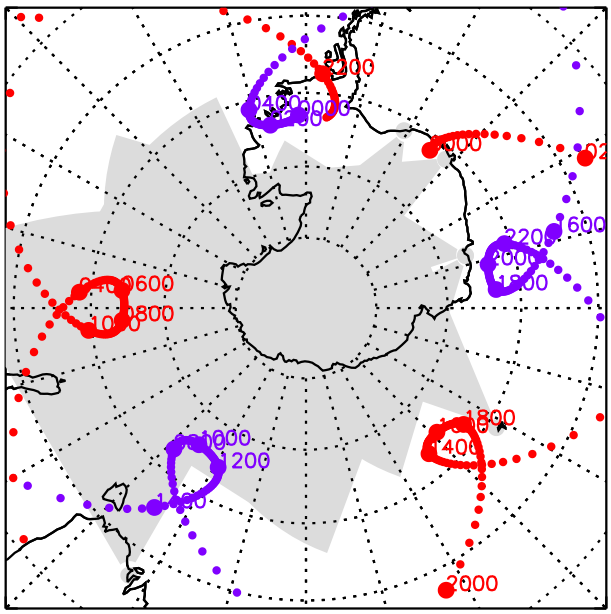


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

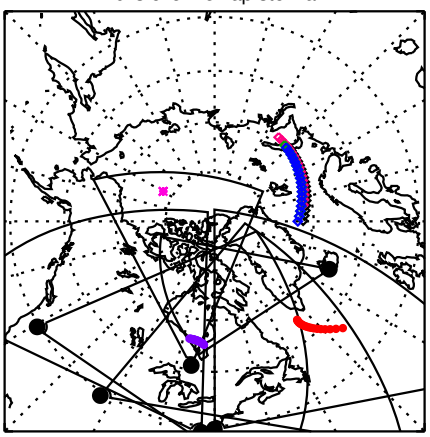
07–May–2015

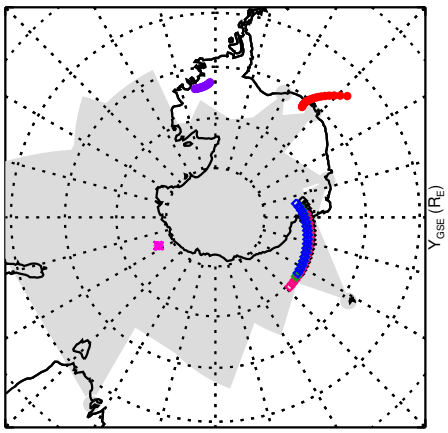
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

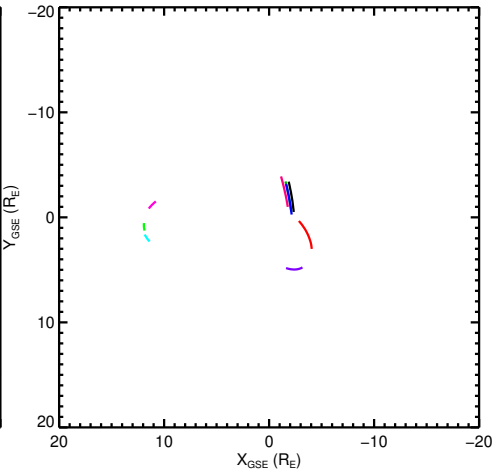




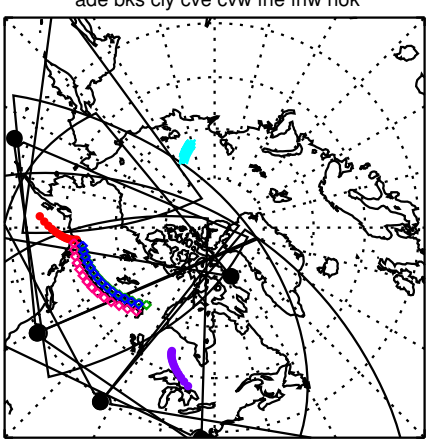
(a) 0000UT to 0135UT
bks cve fhe kap sto wal



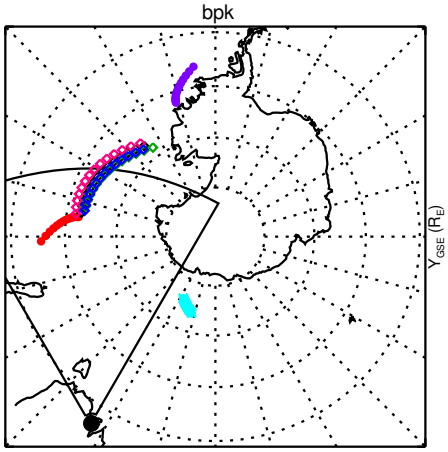


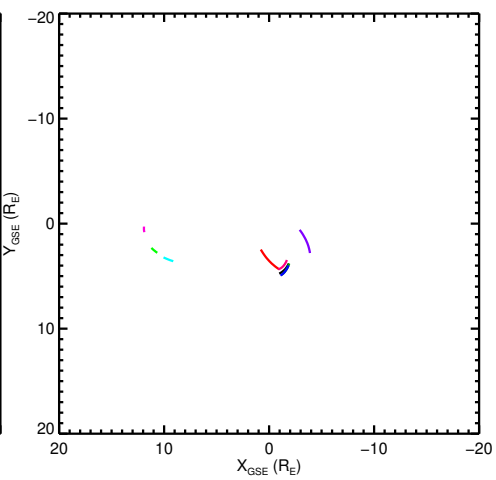


(b) 0340UT to 0455UT
ade bks cly cve cvw fhe fhw hok

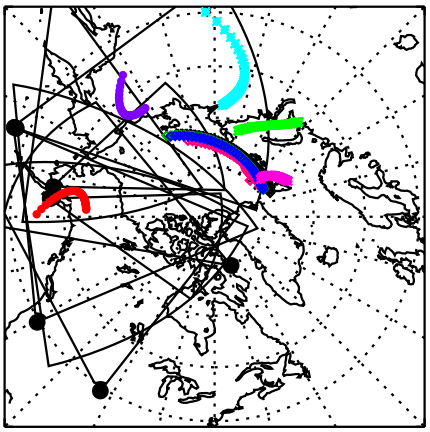


bpk

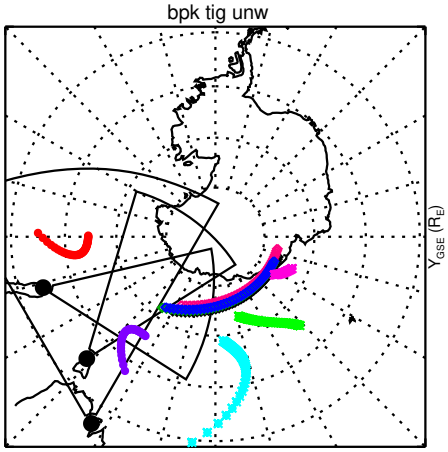


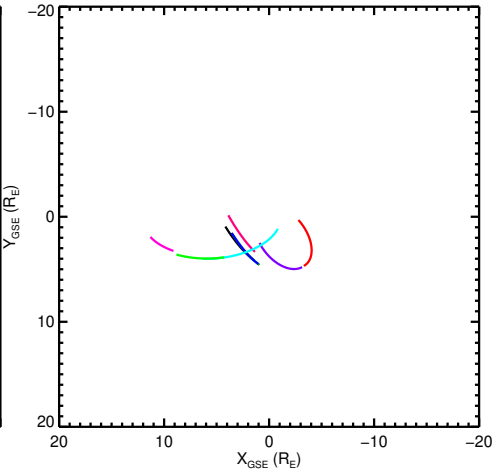


(c) 0705UT to 1035UT
ade adw cly cvw fhw hok kod ksr

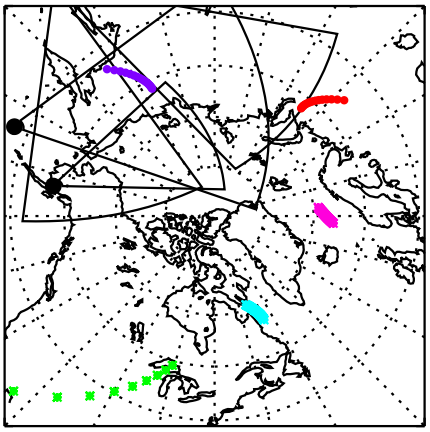


bpk tig unw

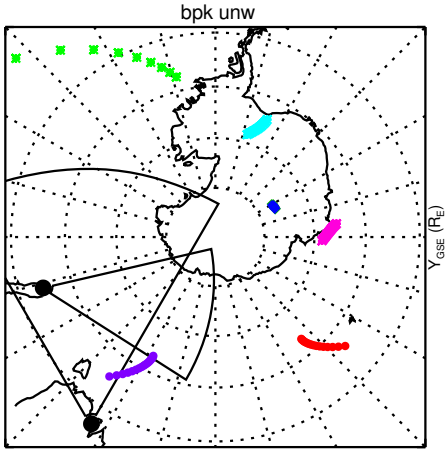


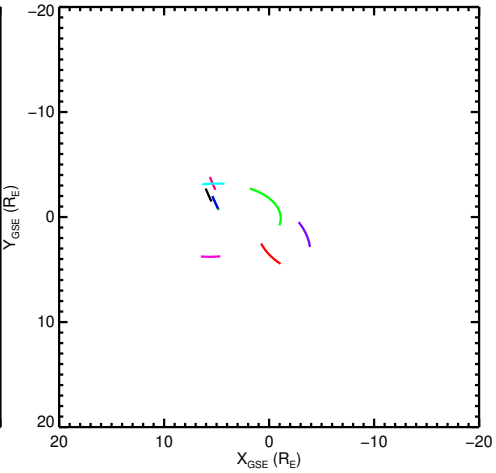


(d) 1240UT to 1400UT
adw hkw hok ksr

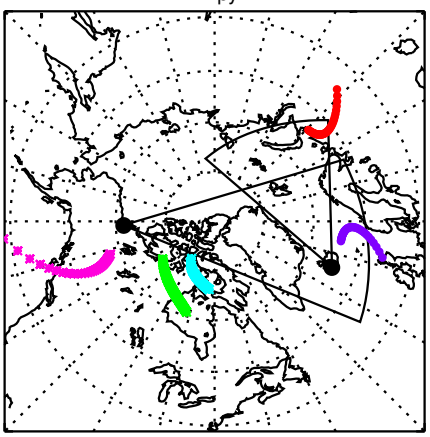


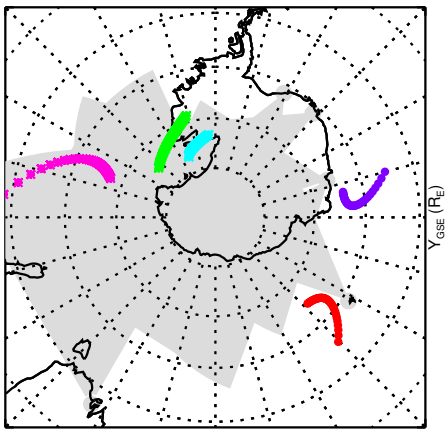
bpk unw

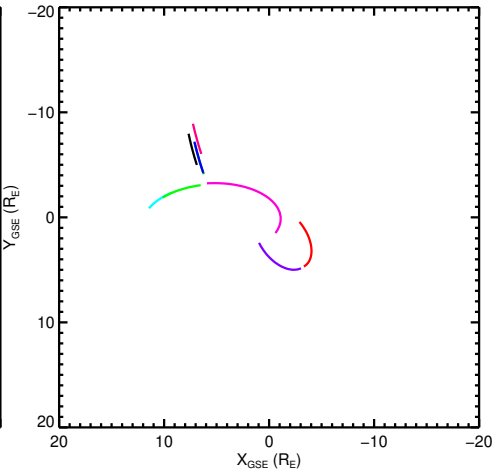




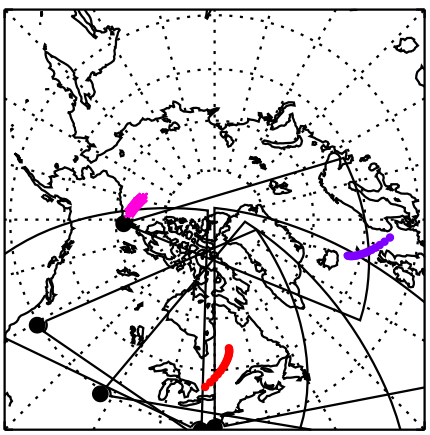
(e) 1605UT to 1930UT
inv pyk

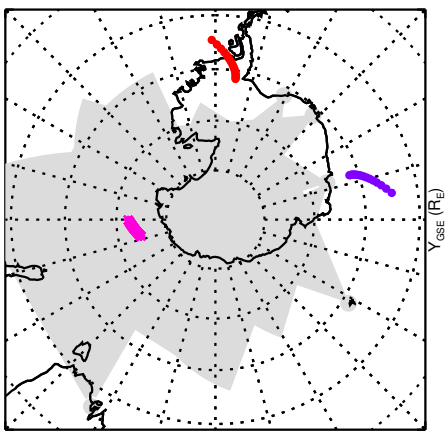


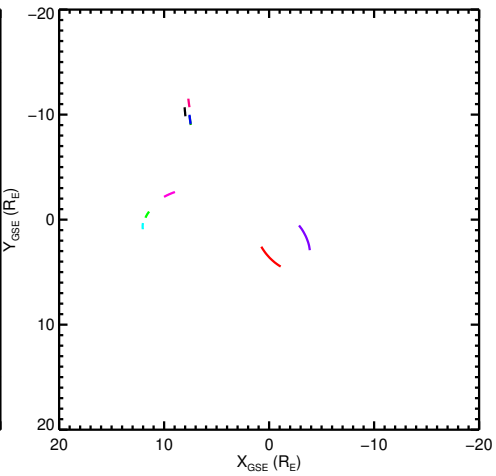




(f) 2140UT to 2300UT
bks cve fhe inv wal



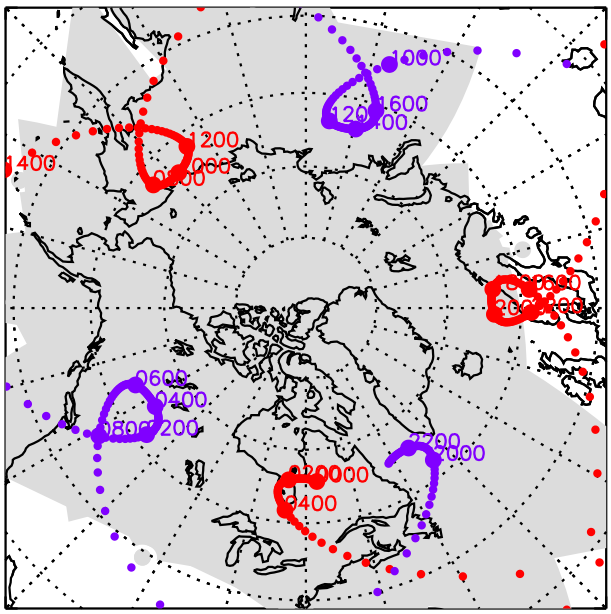


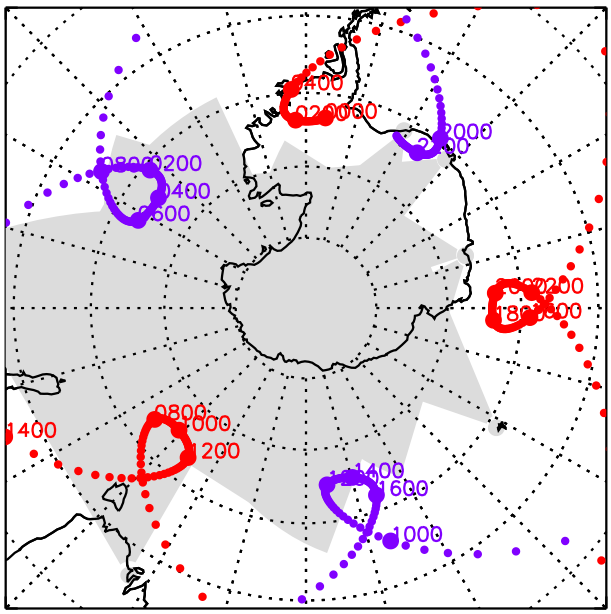


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

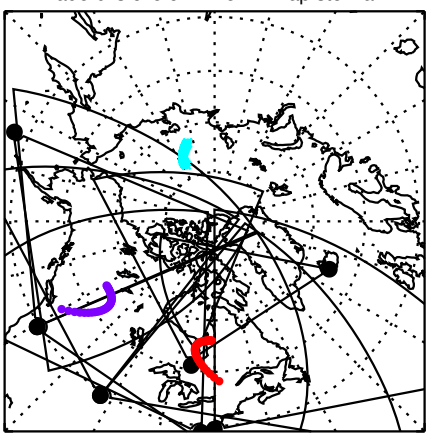
08–May–2015

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

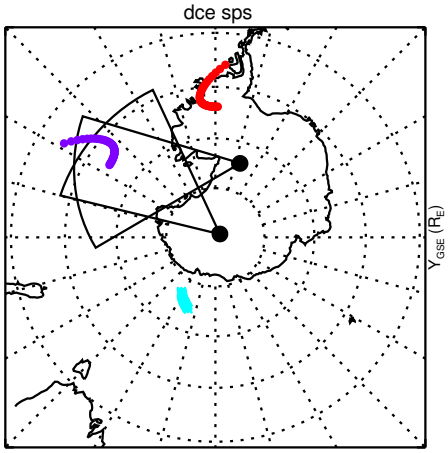


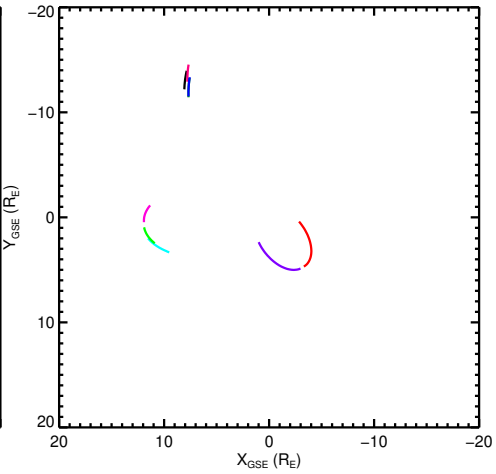


(a) 0105UT to 0430UT
ade bks cve cvw fhe fhw kap sto wal

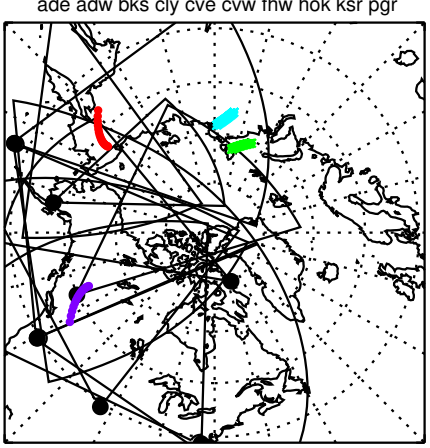


dce sps

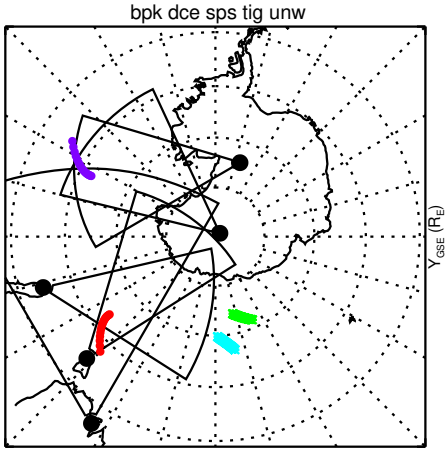


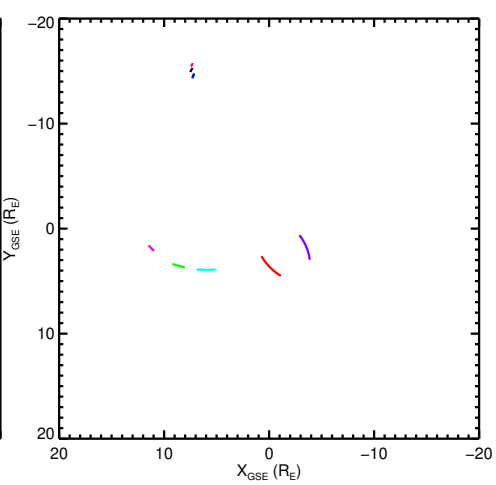


(b) 0640UT to 0800UT
ade adw bks cly cve cvw fhw hok ksr pgr



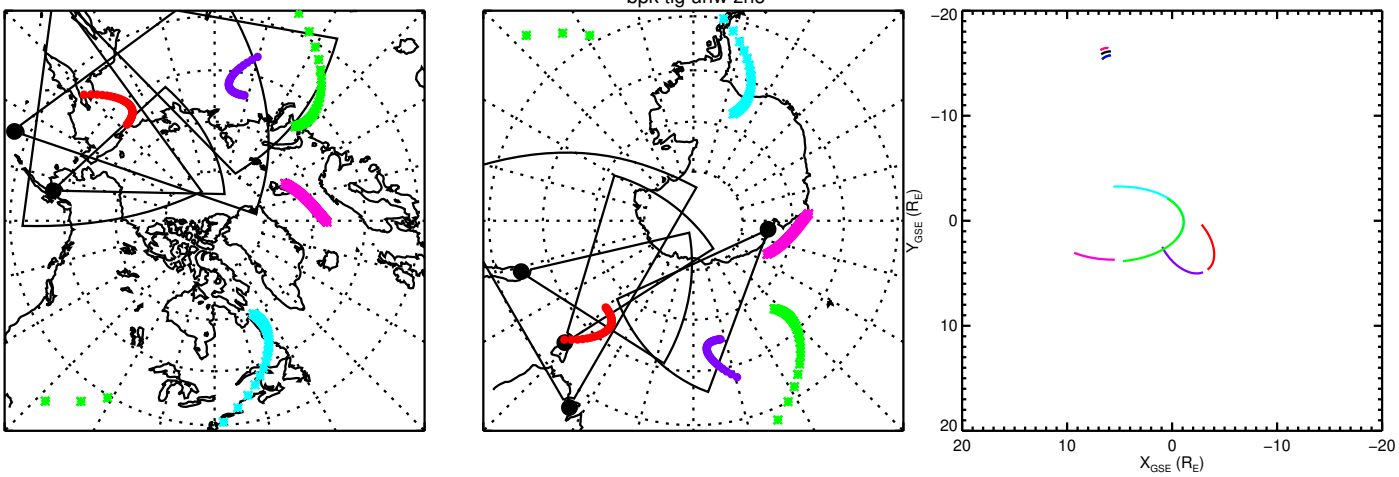
bpk dce sps tig unw



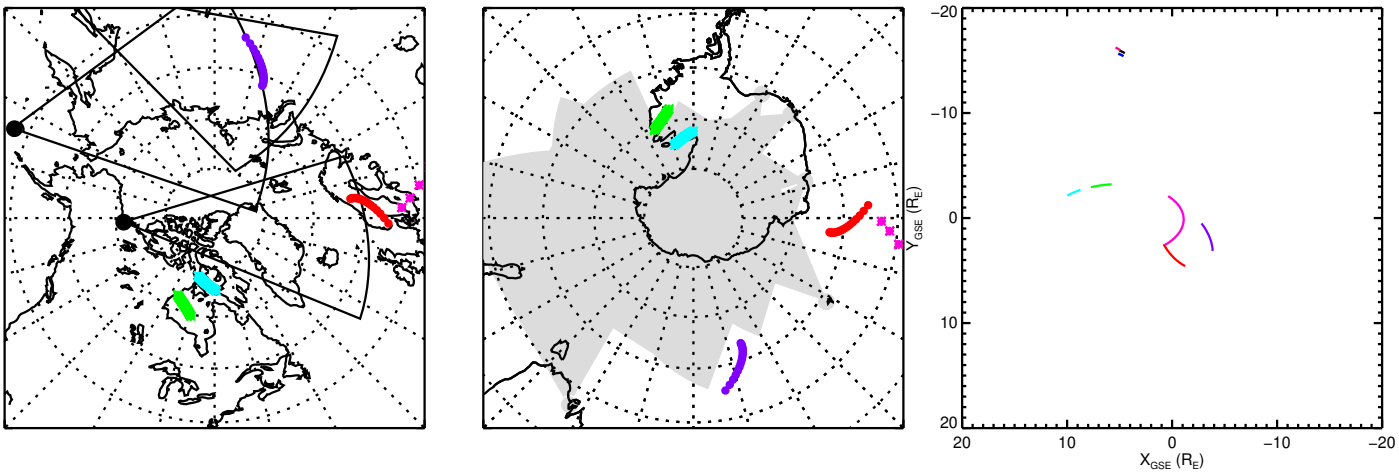


(c) 1010UT to 1330UT
adw hkw hok ksr

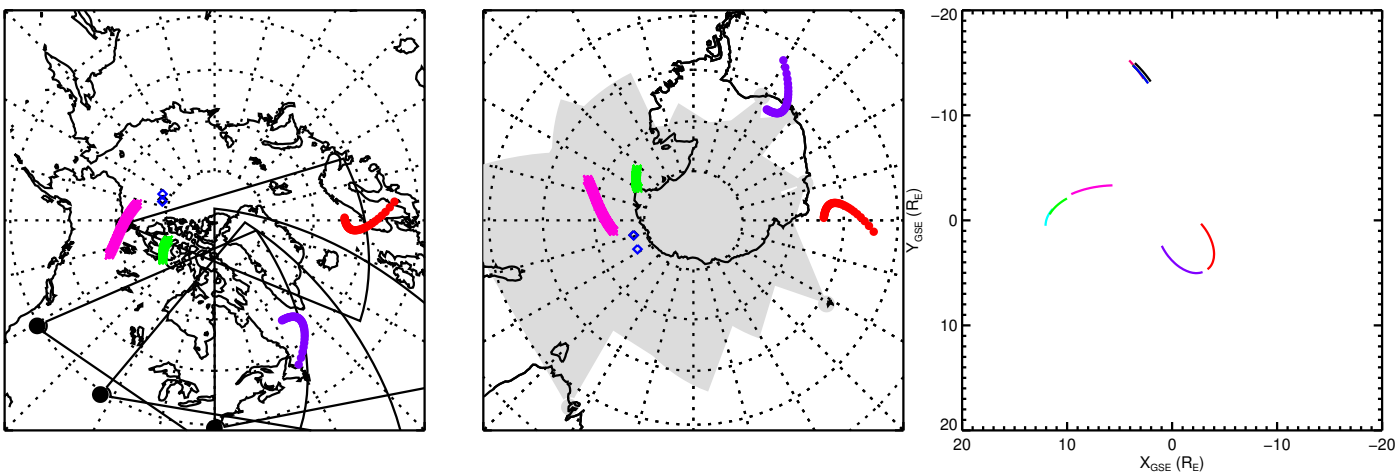
bpk tig unw zho



(d) 1535UT to 1705UT
adw hkw inv



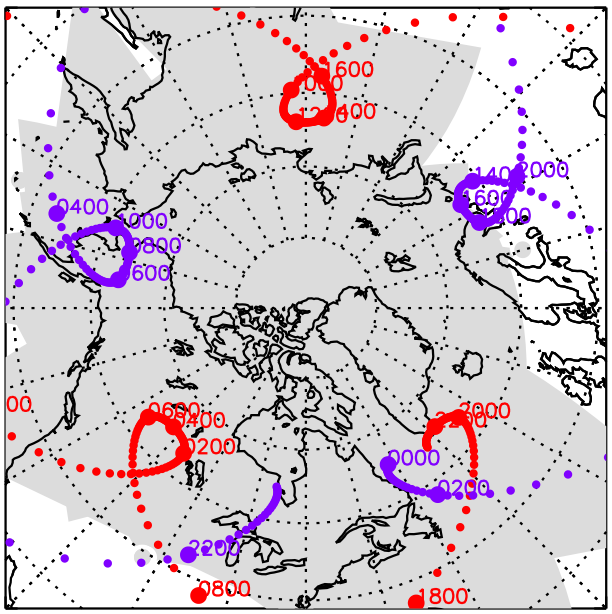
(e) 1910UT to 2230UT
cve fhe inv wal

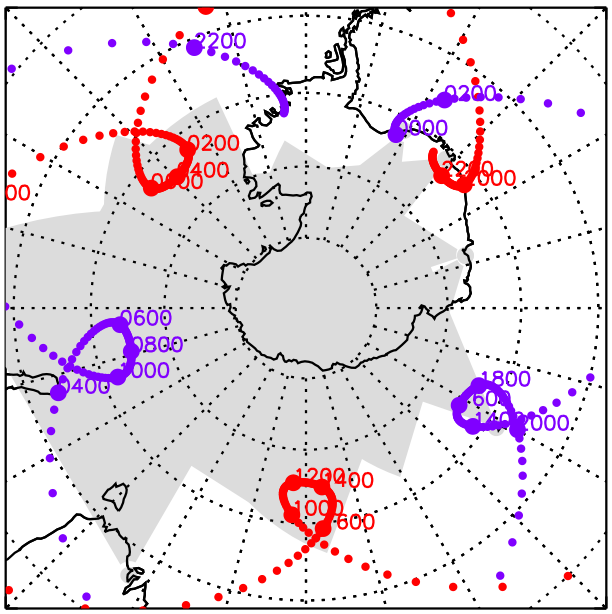


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

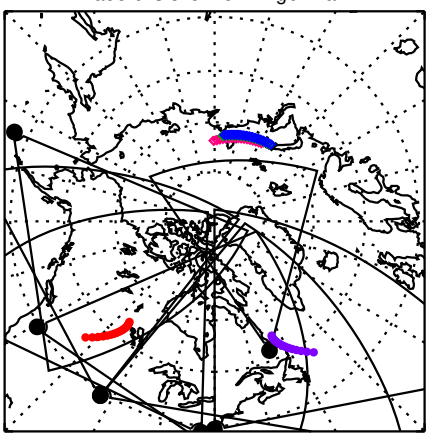
09–May–2015

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

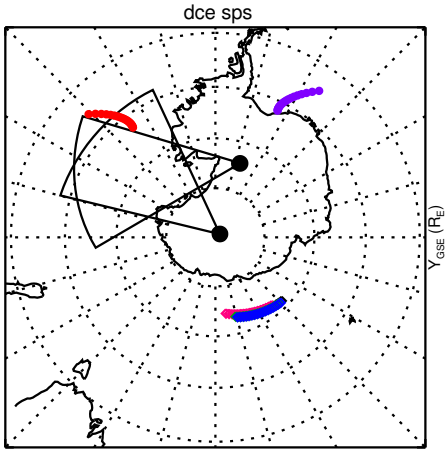


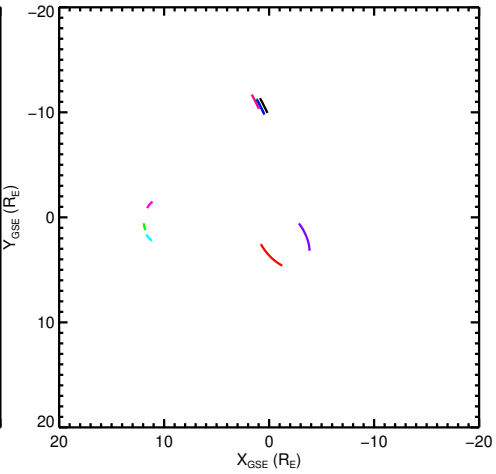


(a) 0035UT to 0205UT
ade bks cve fhe fhw gbr wal

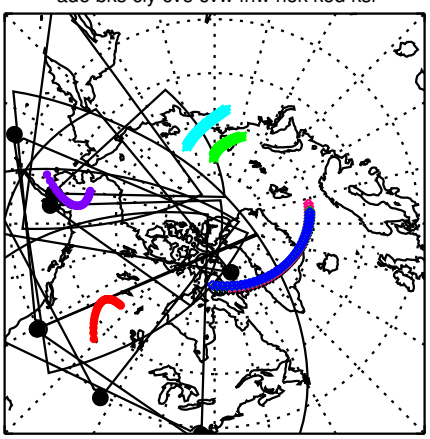


dce sps

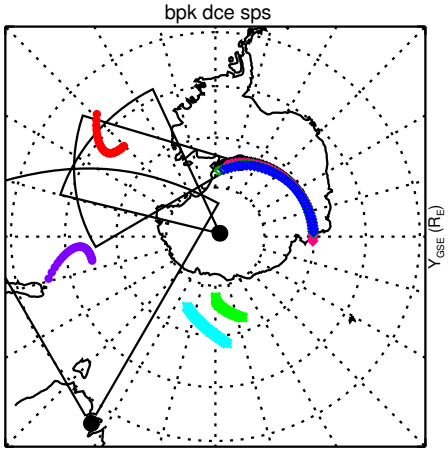


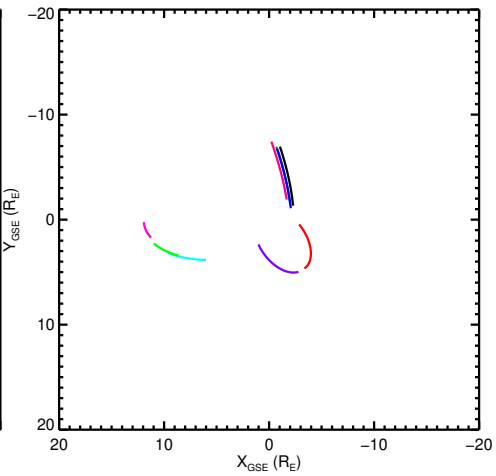


(b) 0410UT to 0725UT
ade bks cly cve cvw fhw hok kod ksr

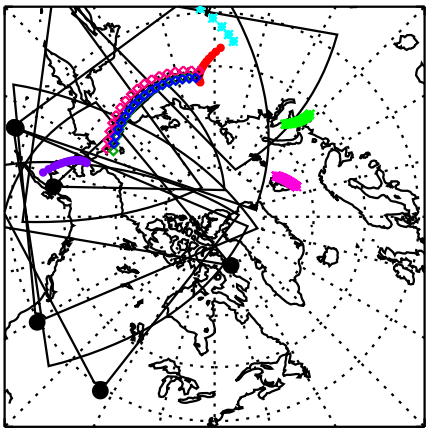


bpk dce sps

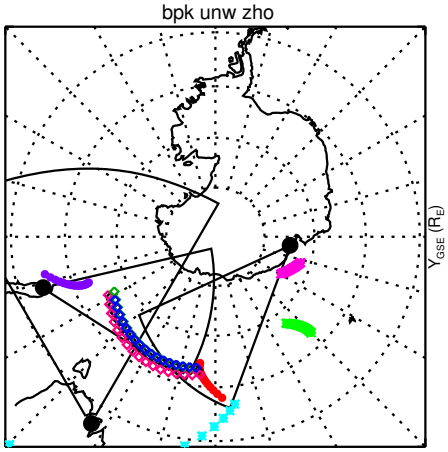


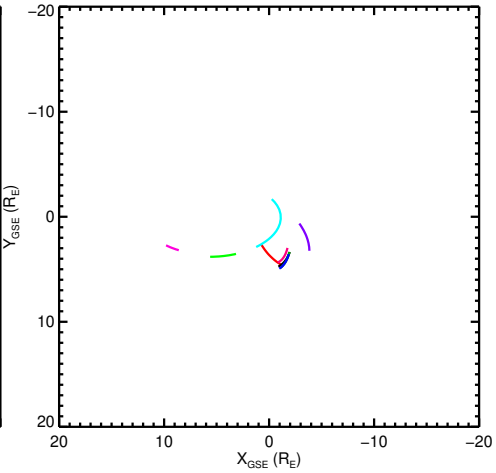


(c) 0935UT to 1105UT
ade adw cly cvw fhw hkw hok ksr

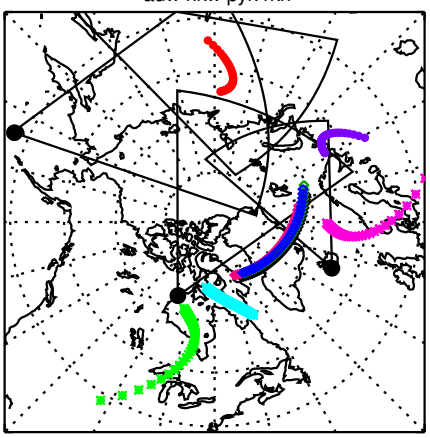


bpk unw zho

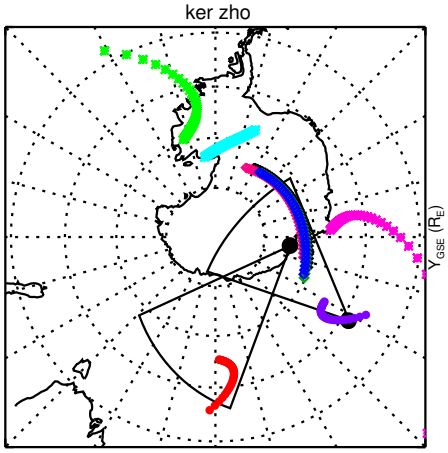


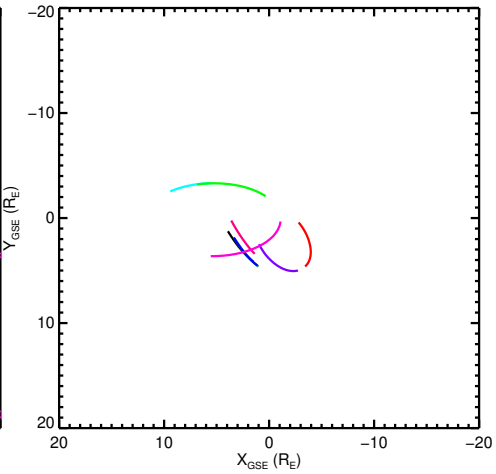


(d) 1315UT to 1625UT
adw hkw pyk rkn

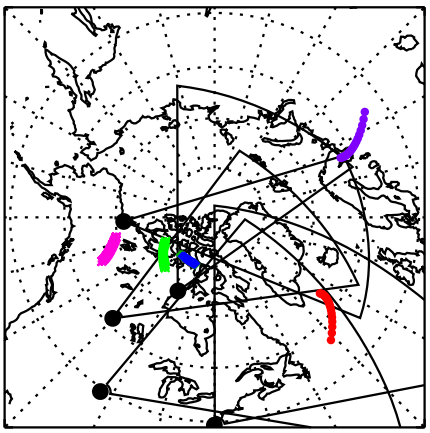


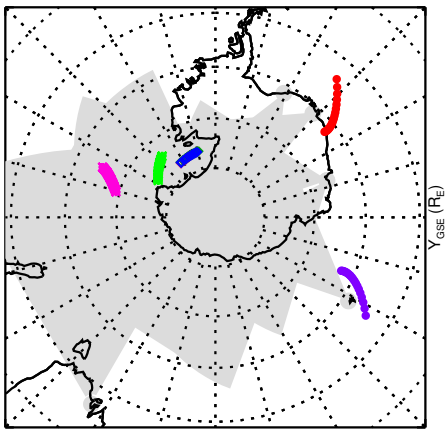
ker zho

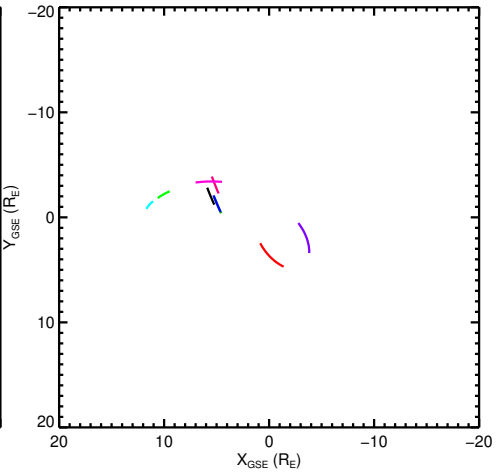




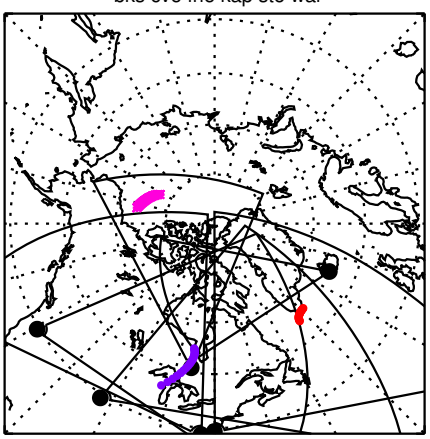
(e) 1830UT to 2010UT
fhe inv rkn sas wal



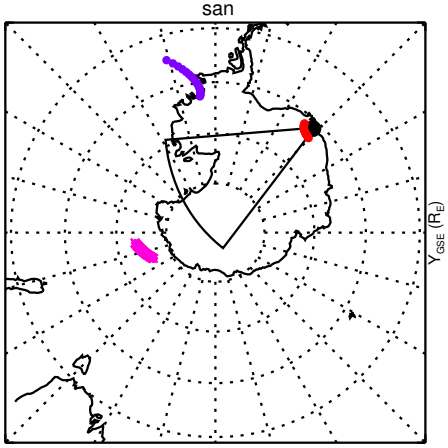


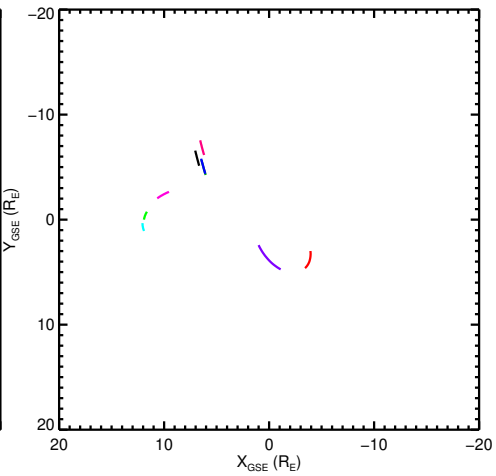


(f) 2215UT to 2355UT
bks cve fhe kap sto wal



san

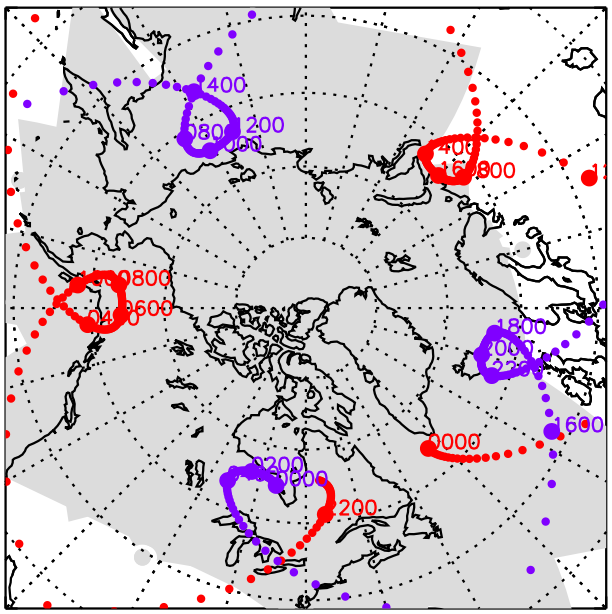


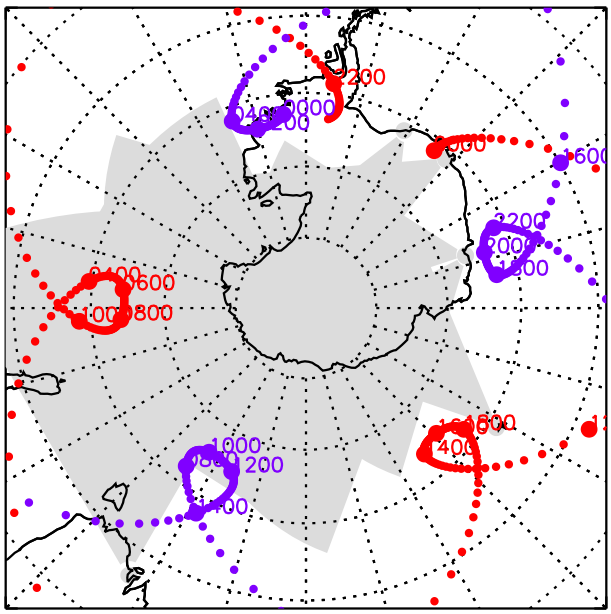


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

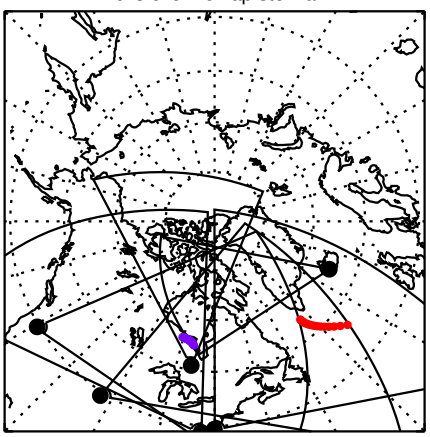
10–May–2015

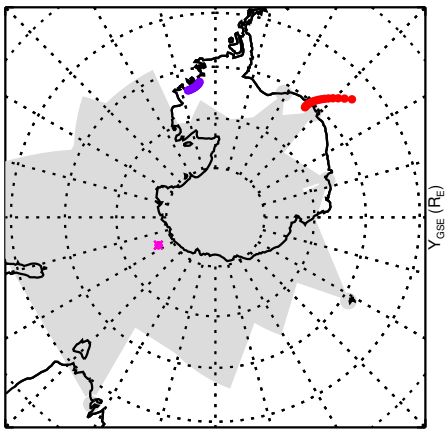
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

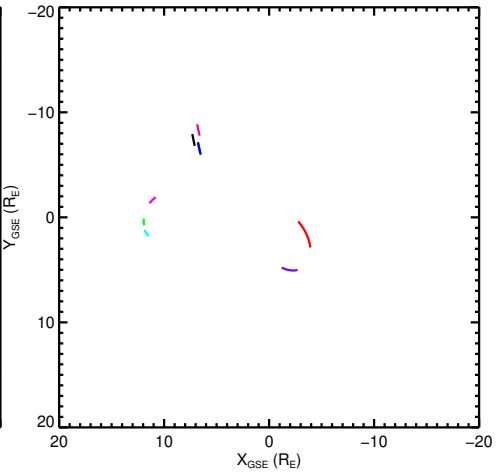




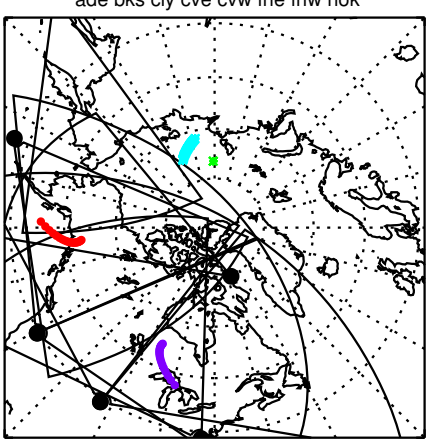
(a) 0000UT to 0125UT
bks cve fhe kap sto wal



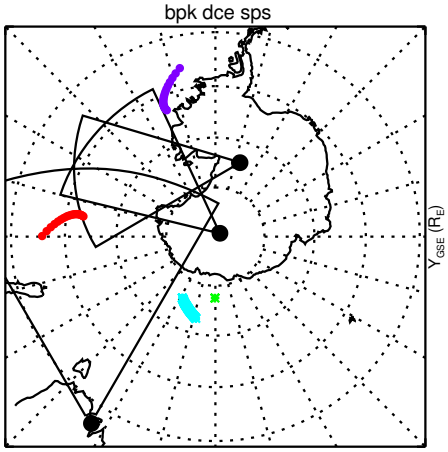


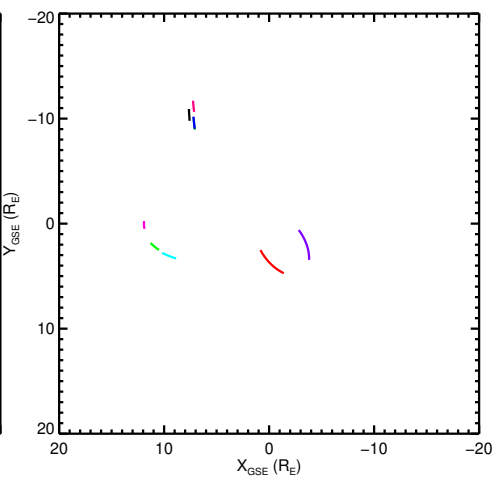


(b) 0330UT to 0510UT
ade bks cly cve cvw fhe fhw hok



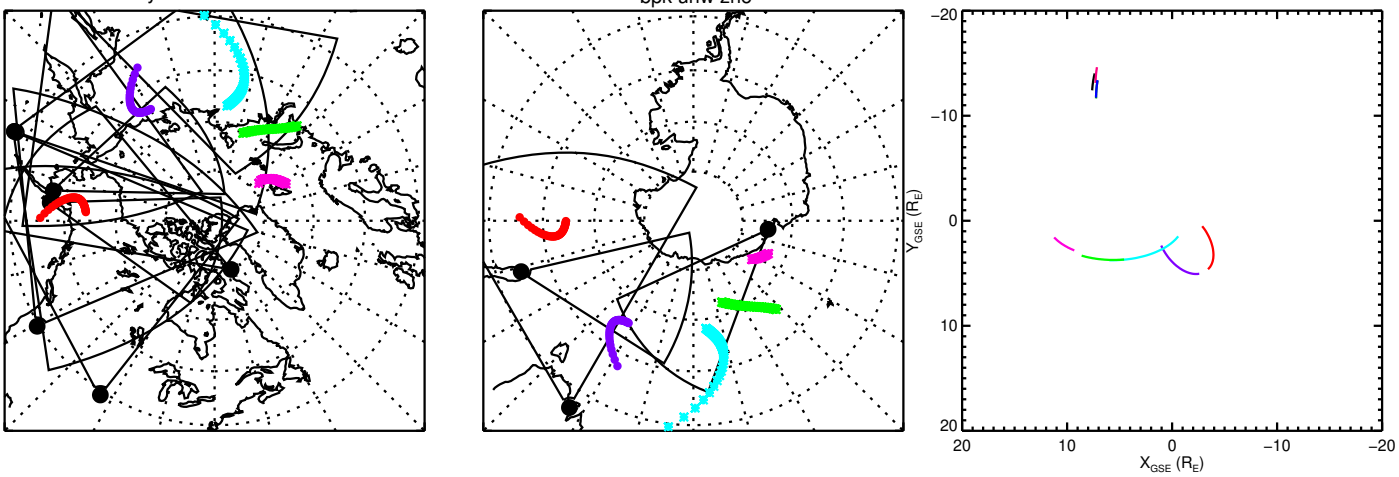
bpk dce sps





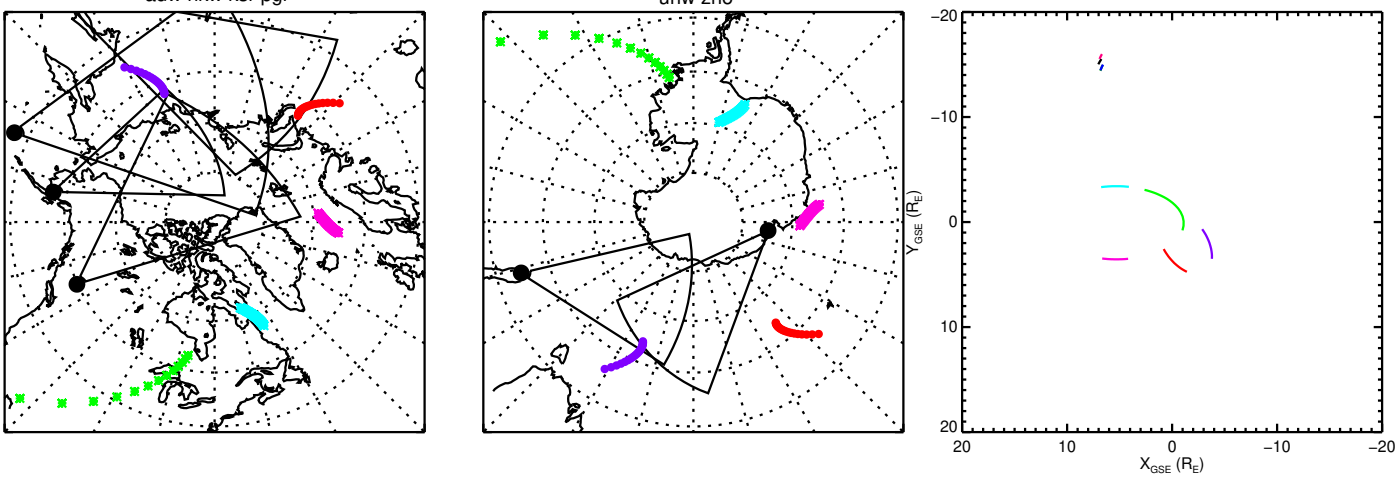
(c) 0715UT to 1020UT
ade adw cly cvw fhw hkw hok kod ksr

bpk unw zho

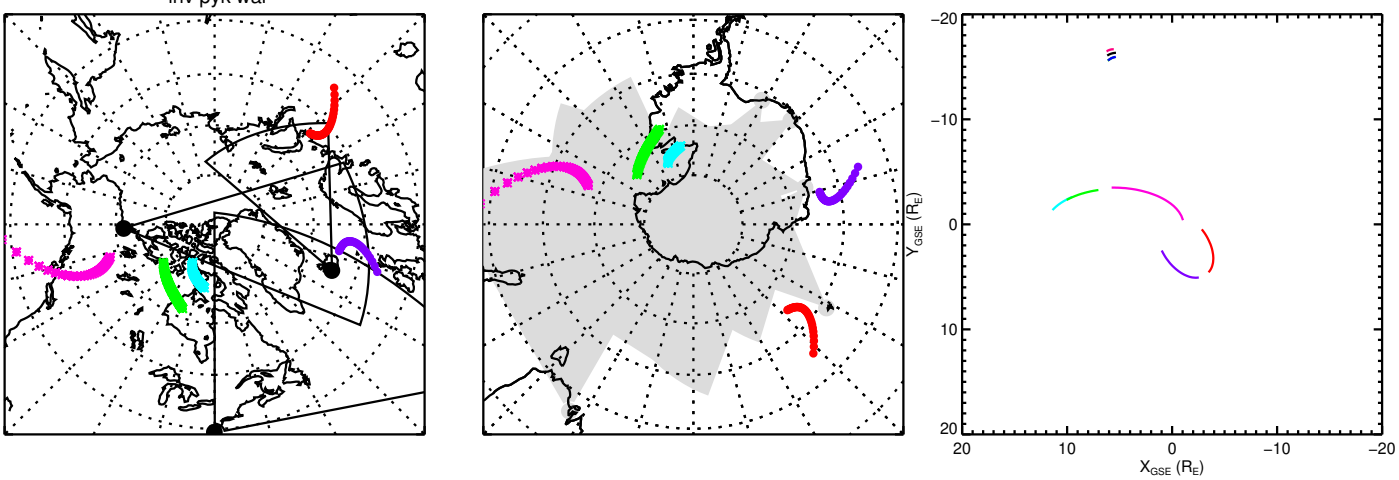


(d) 1230UT to 1410UT
adw hkw ksr pgr

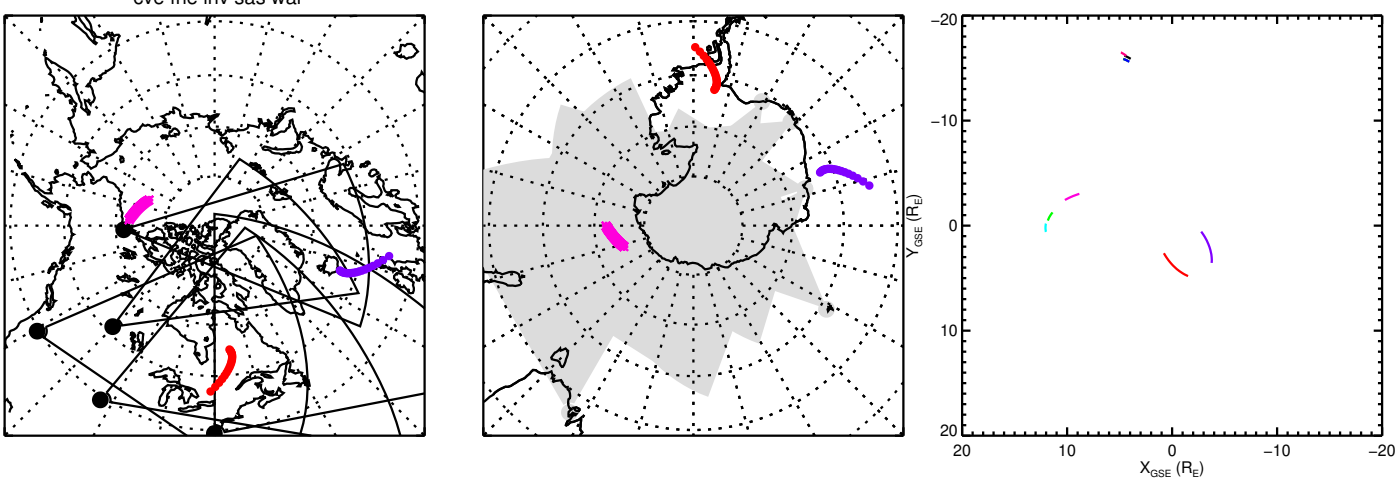
unw zho



(e) 1620UT to 1920UT
inv pyk wal



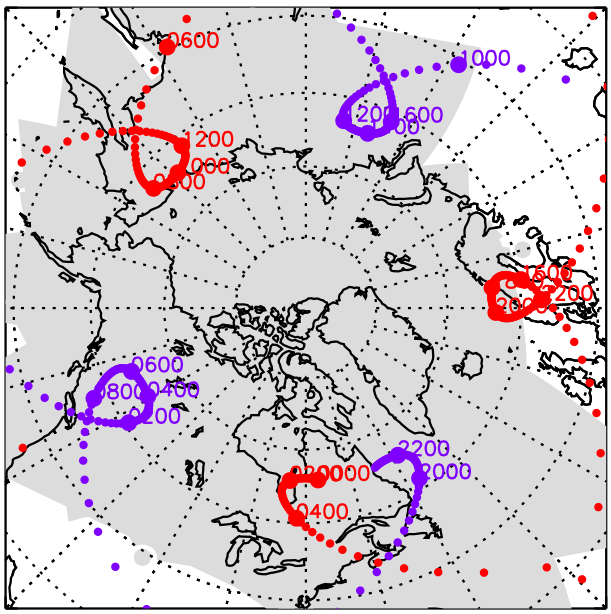
(f) 2130UT to 2315UT
cve fhe inv sas wal

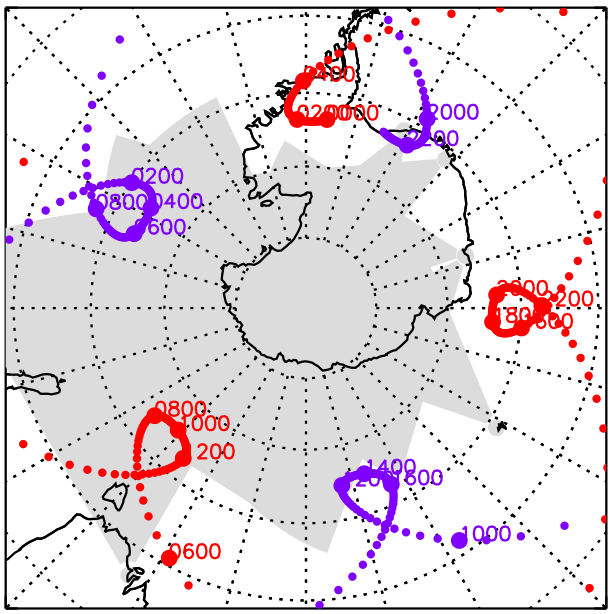


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

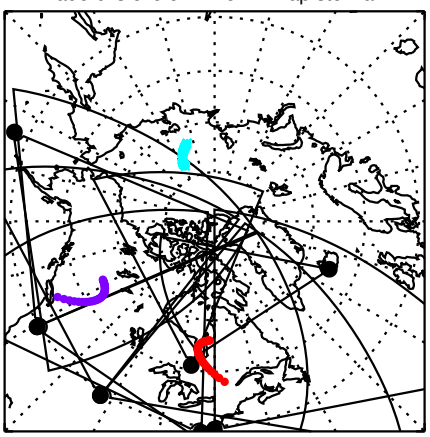
11−May−2015

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

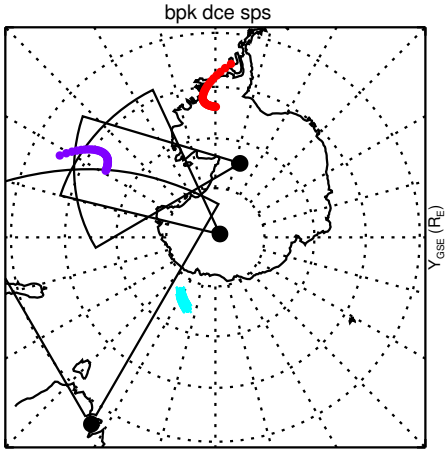


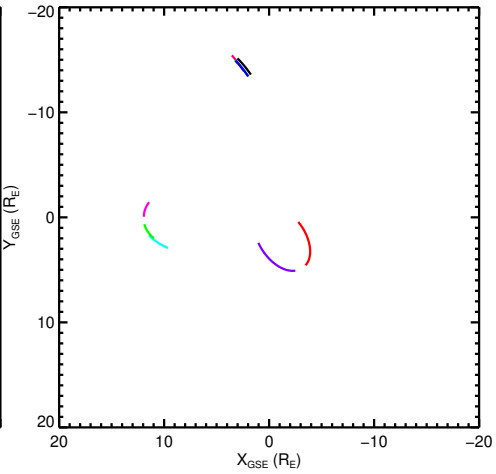


(a) 0120UT to 0420UT
ade bks cve cvw fhe fhw kap sto wal

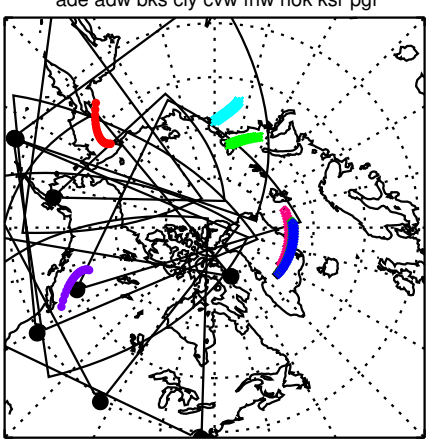


bpk dce sps

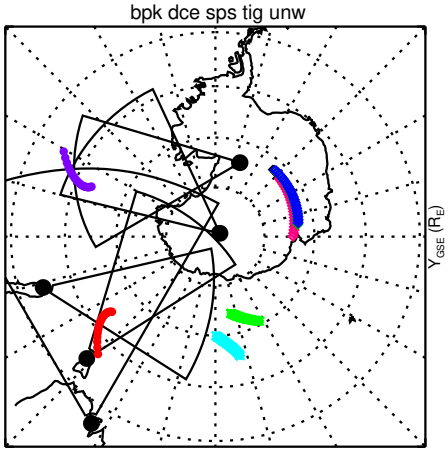


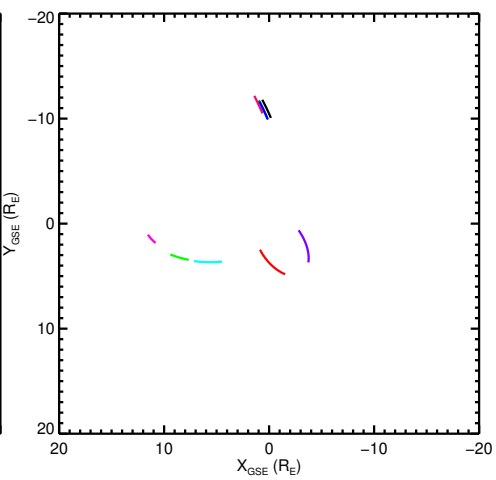


(b) 0625UT to 0815UT
ade adw bks cly cvw fhw hok ksr pgr

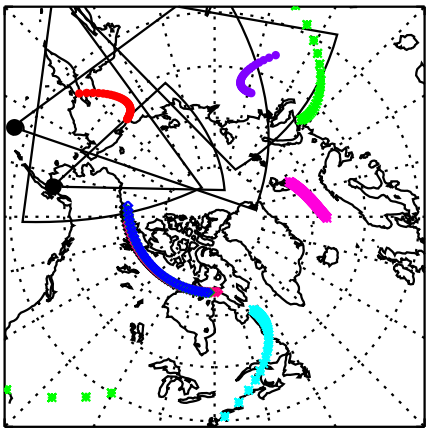


bpk dce sps tig unw

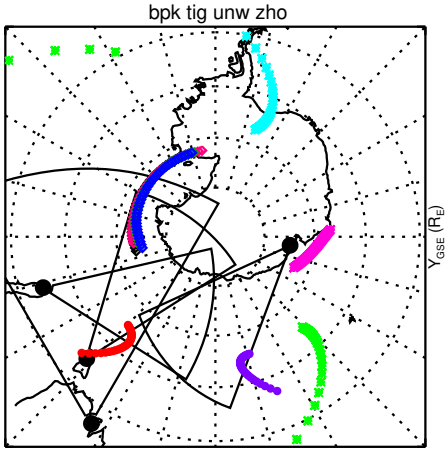


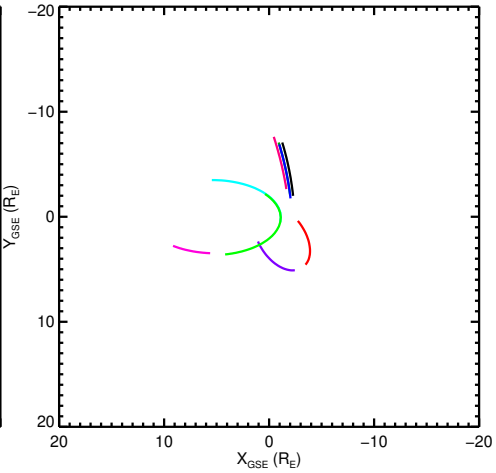


(c) 1020UT to 1320UT
adw hkw hok ksr

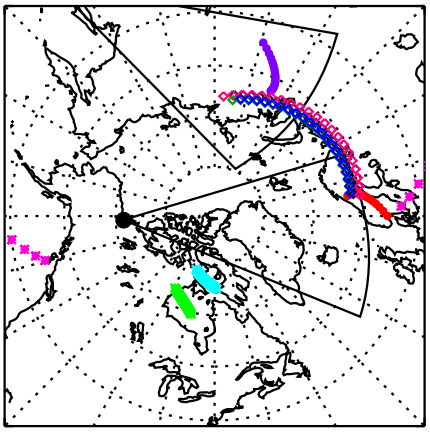


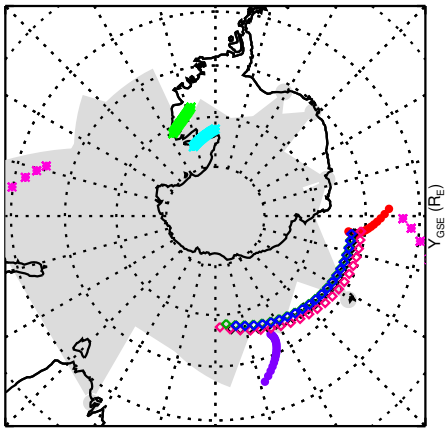
bpk tig unw zho

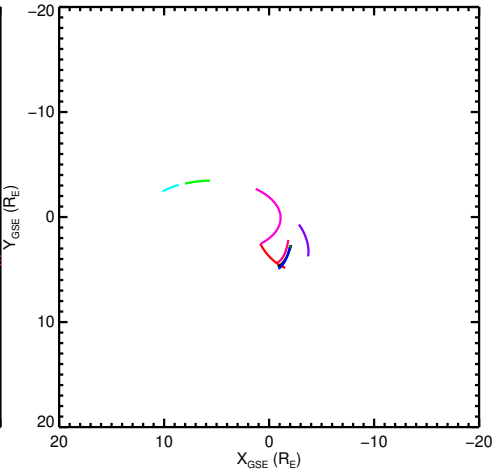




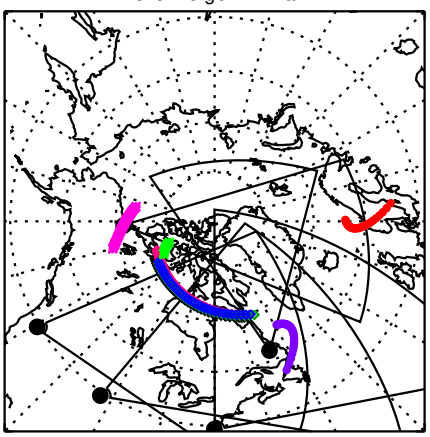
(d) 1525UT to 1715UT
hkw inv



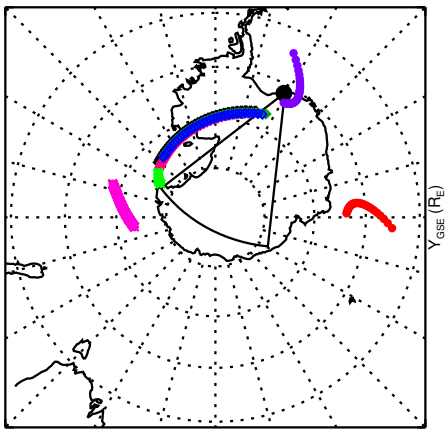


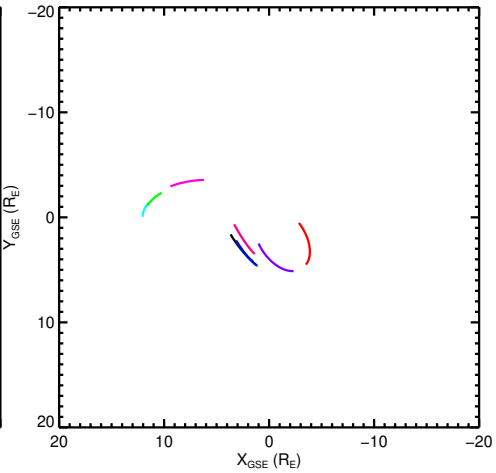


(e) 1925UT to 2215UT
cve fhe gbr inv wal



hal

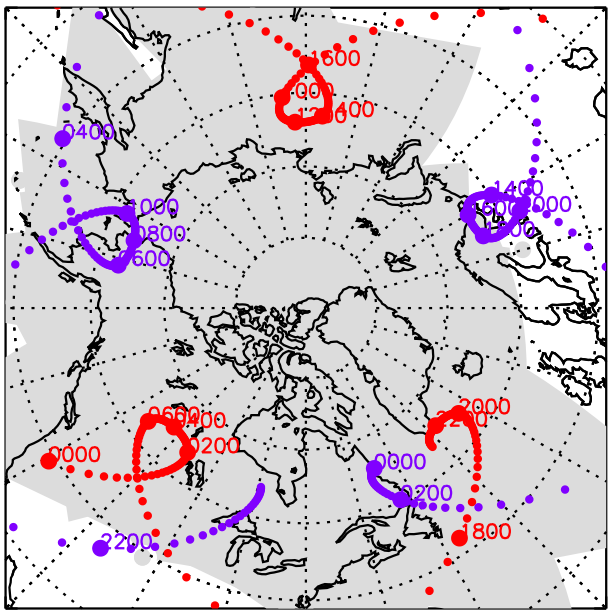


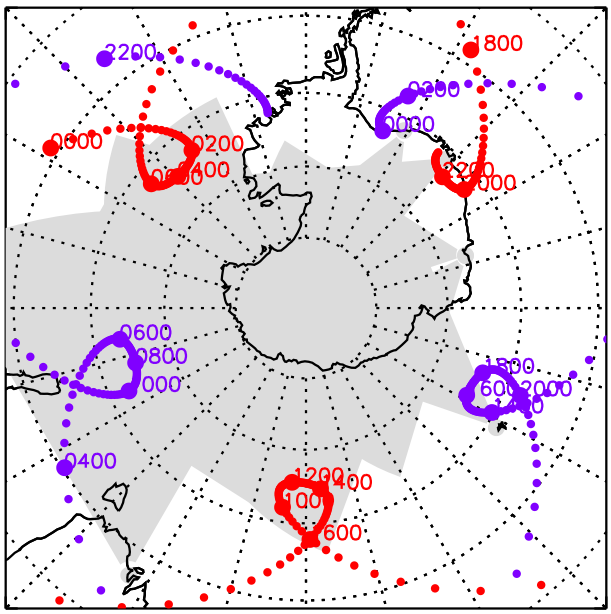


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

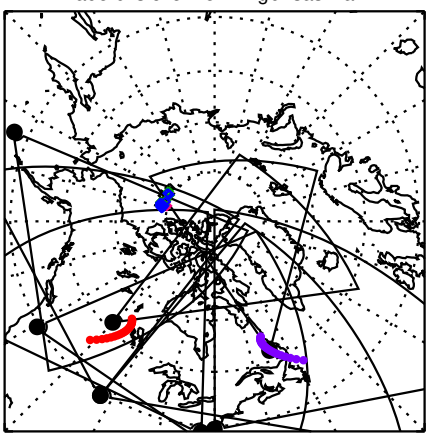
12–May–2015

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

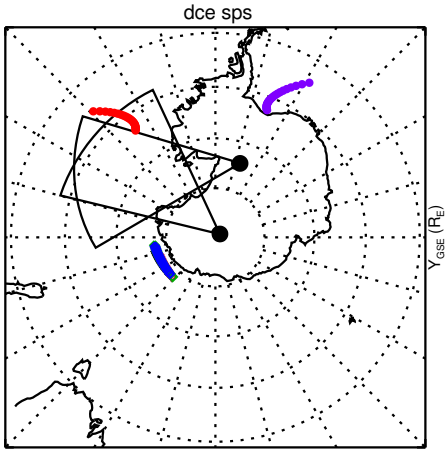


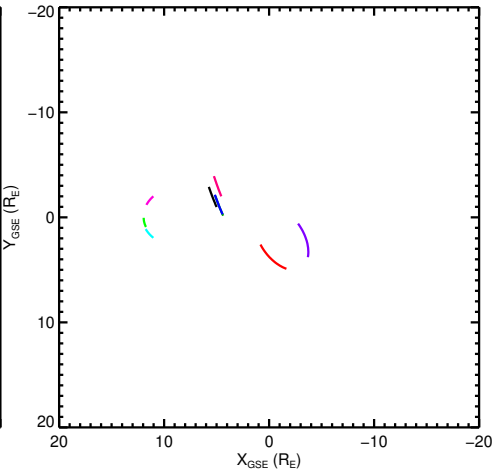


(a) 0025UT to 0220UT
ade bks cve fhe fhw gbr sas wal

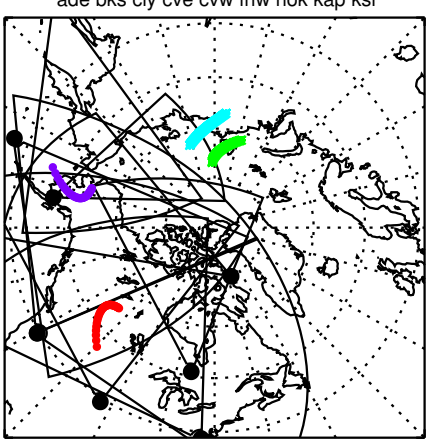


dce sps

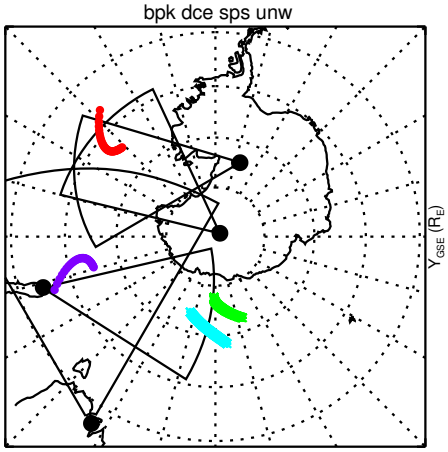


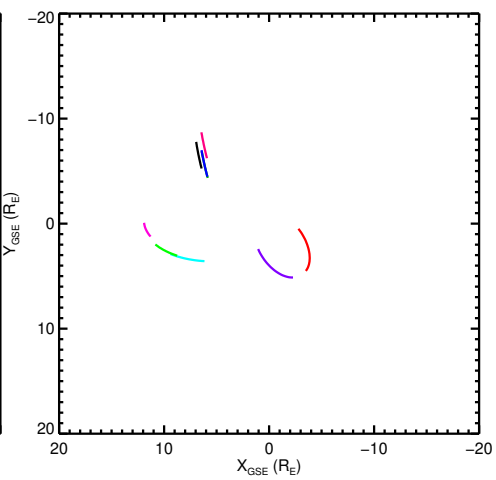


(b) 0425UT to 0715UT
ade bks cly cve cvw fhw hok kap ksr

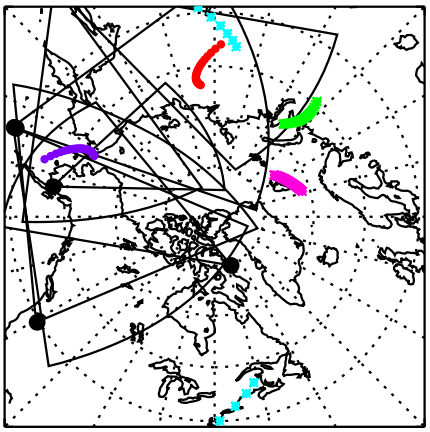


bpk dce sps unw

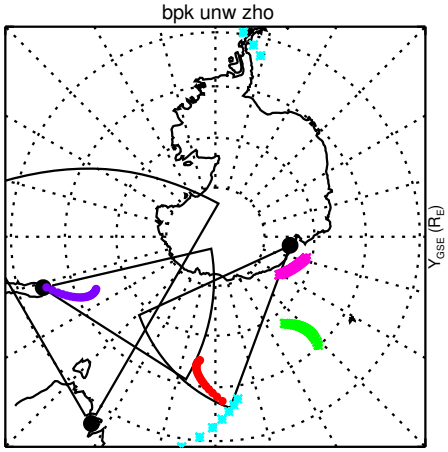


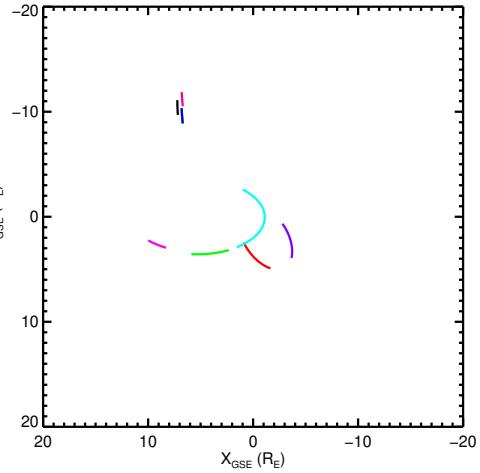


(c) 0920UT to 1120UT
ade adw cly cvw hkw hok ksr

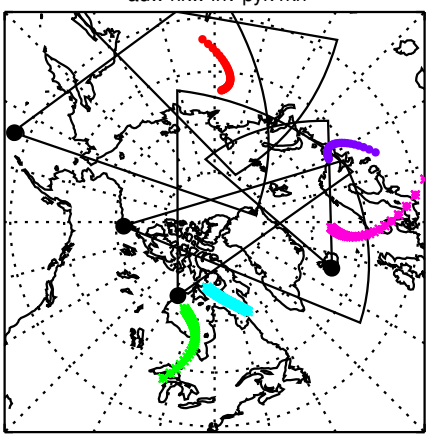


bpk unw zho

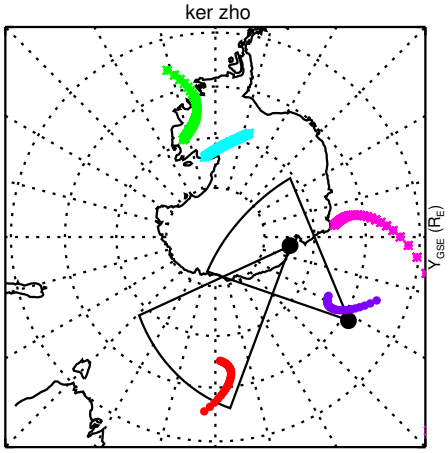


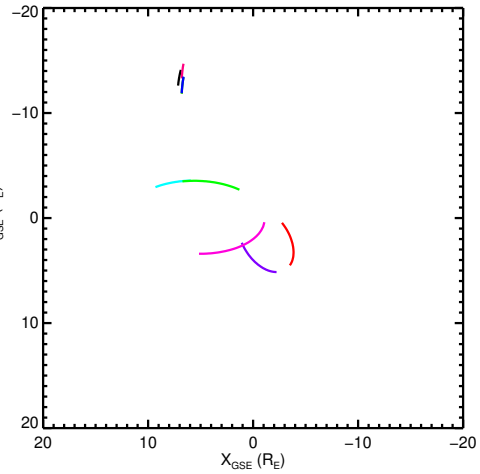


(d) 1325UT to 1615UT
adw hkw inv pyk rkn

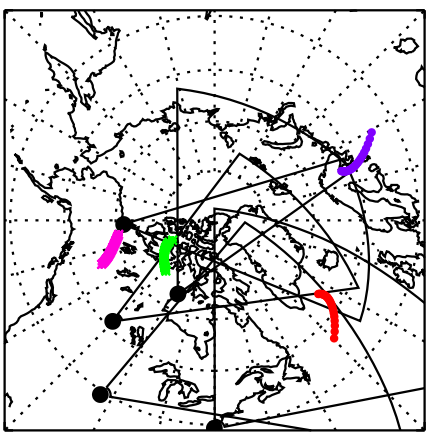


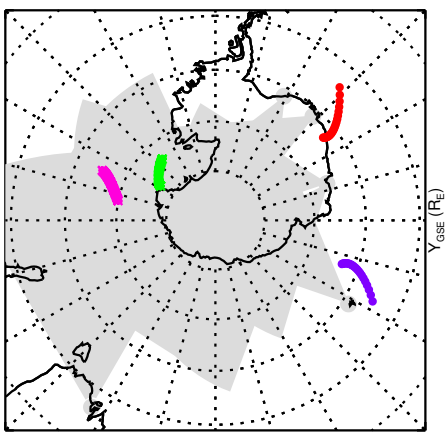
ker zho

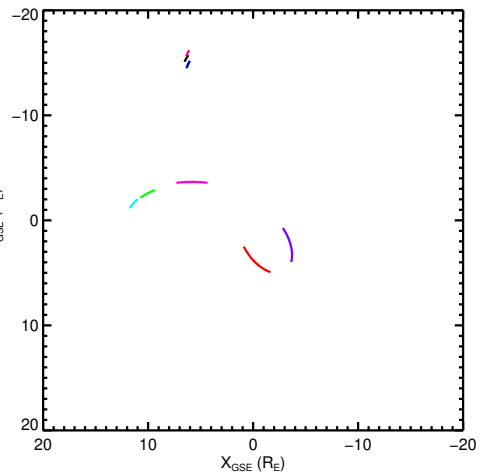




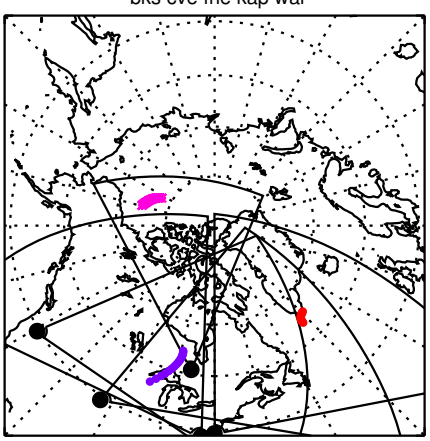
(e) 1820UT to 2020UT
fhe inv rkn sas wal



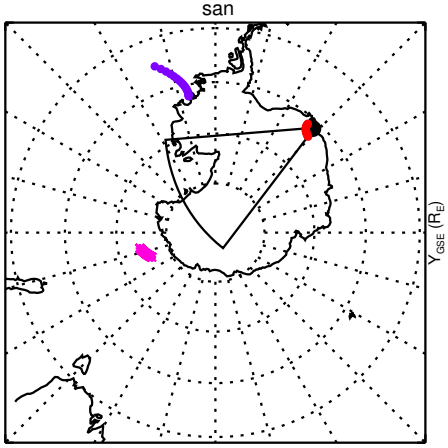


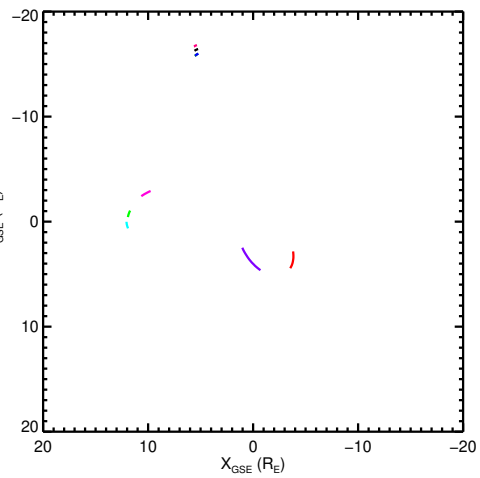


(f) 2230UT to 2355UT
bks cve fhe kap wal



san

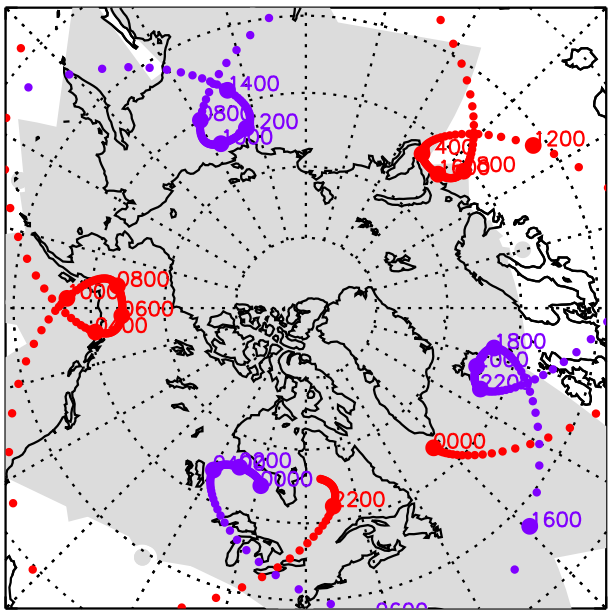


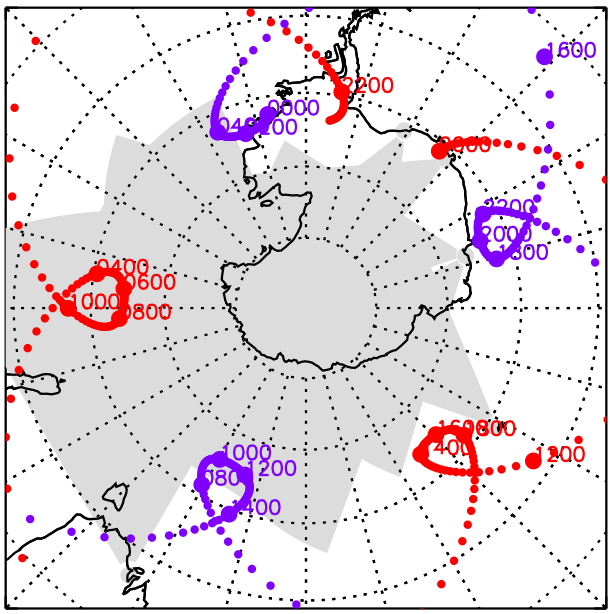


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

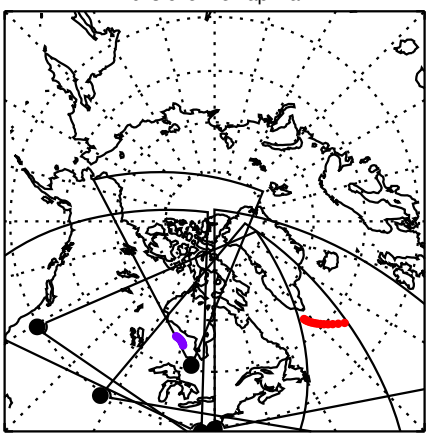
13–May–2015

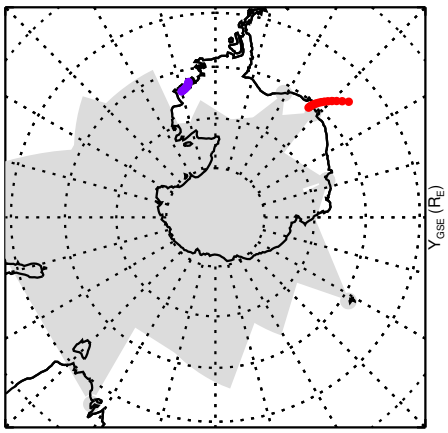
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

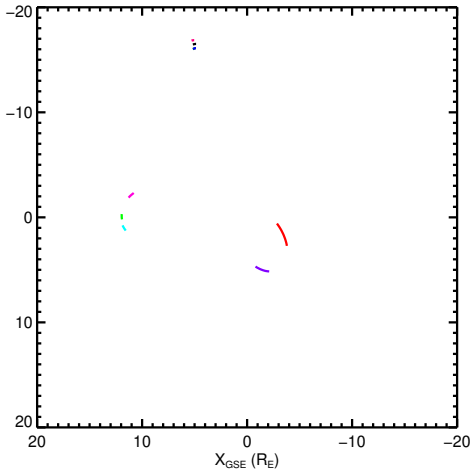




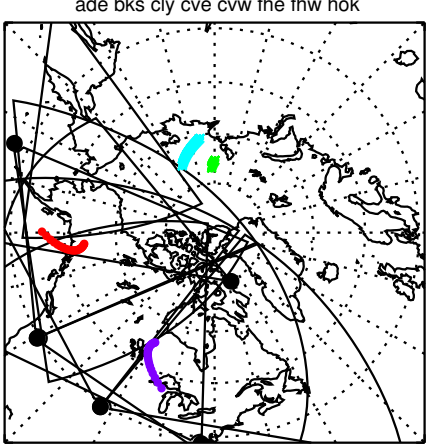
(a) 0000UT to 0110UT
bks cve fhe kap wal



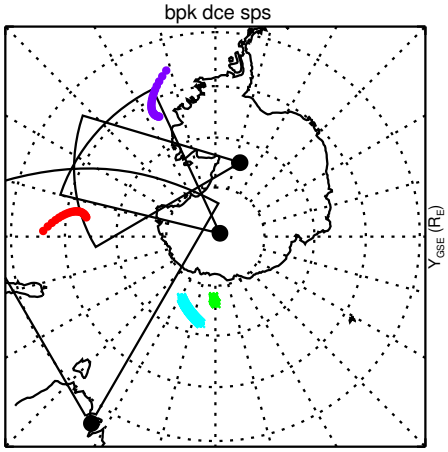


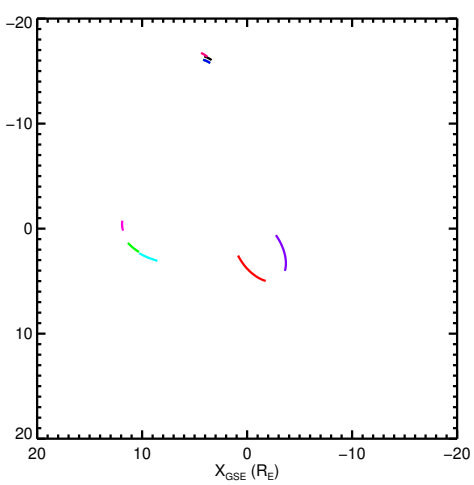


(b) 0320UT to 0525UT
ade bks cly cve cvw fhe fhw hok



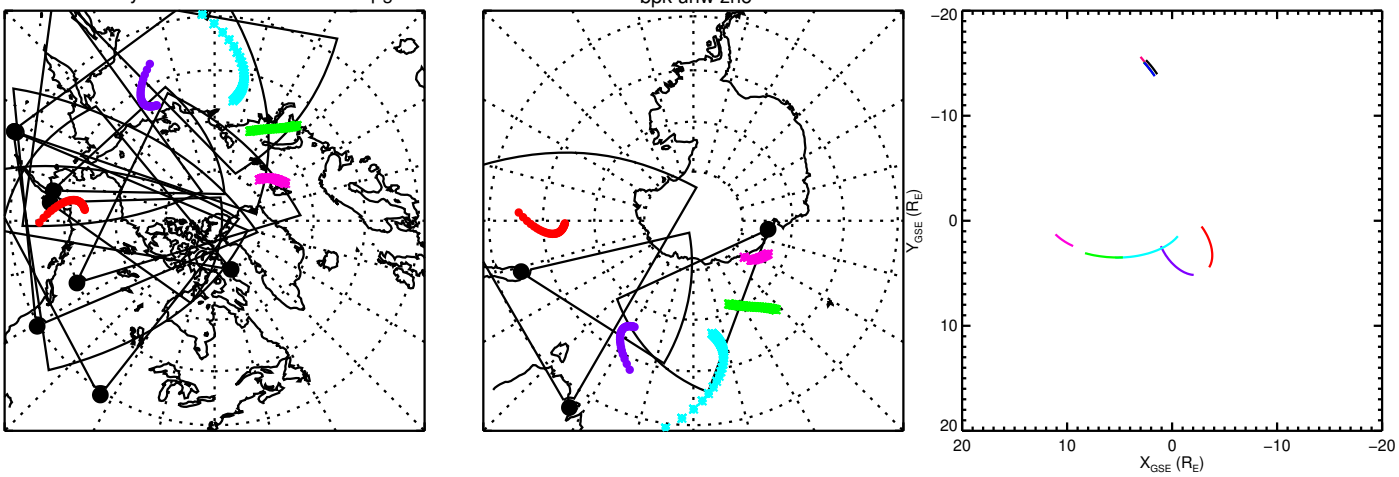
bpk dce sps





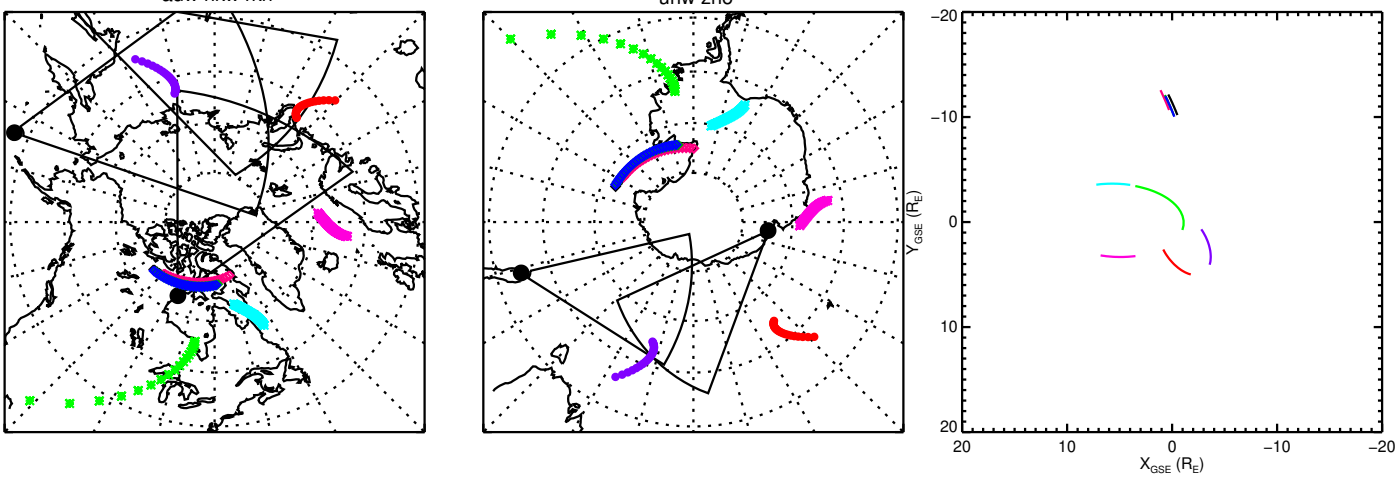
(c) 0730UT to 1010UT
ade adw cly cvw fhw hkw hok kod ksr pgr

bpk unw zho

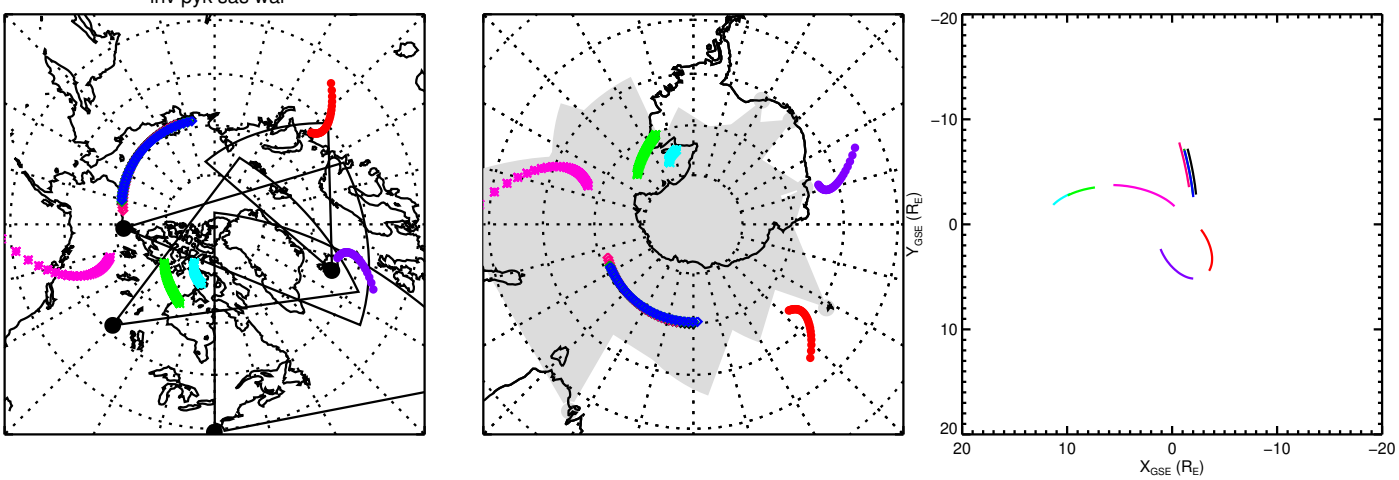


(d) 1220UT to 1425UT
adw hkw rkn

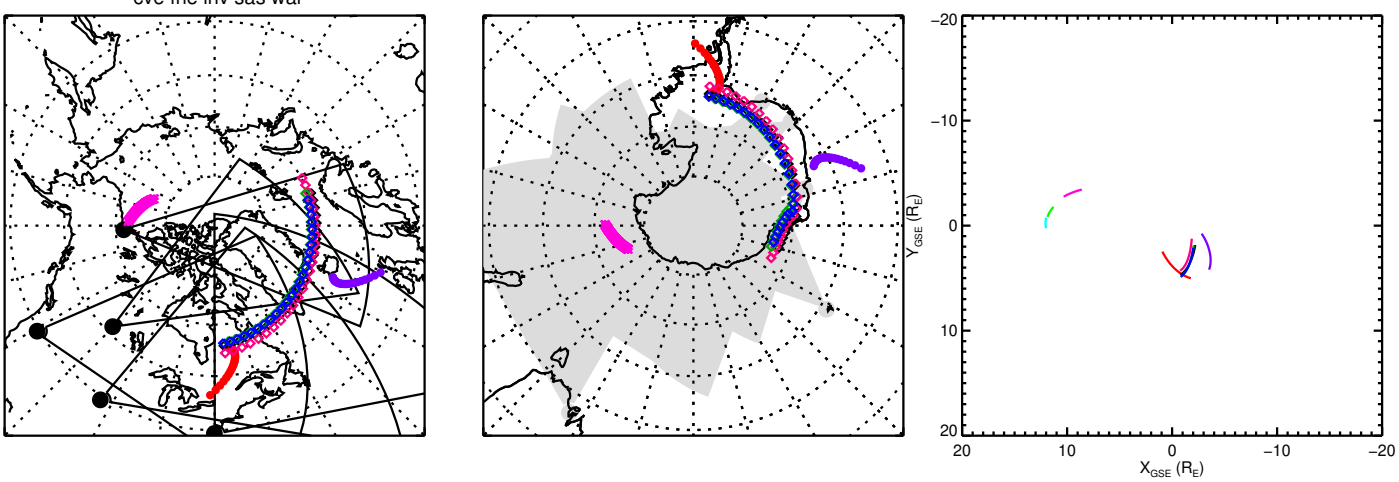
unw zho



(e) 1630UT to 1910UT
inv pyk sas wal



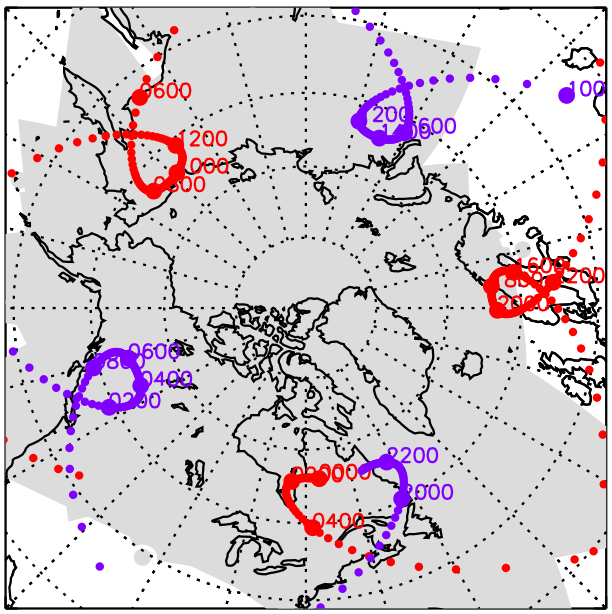
(f) 2115UT to 2325UT
cve fhe inv sas wal

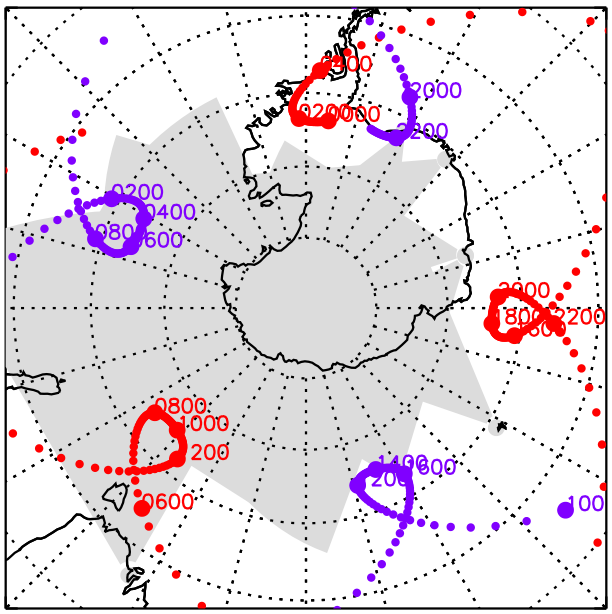


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

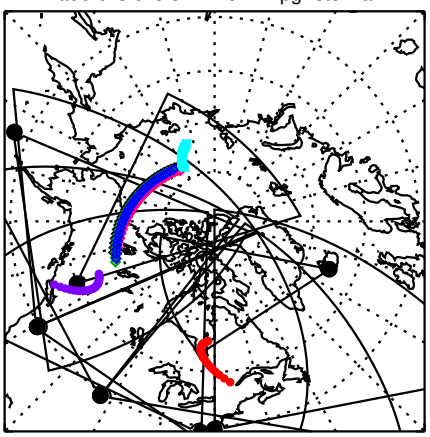
14–May–2015

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

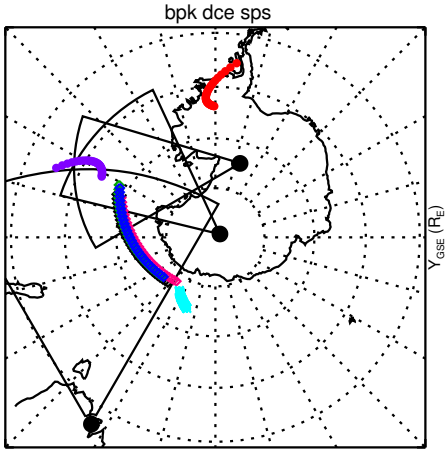


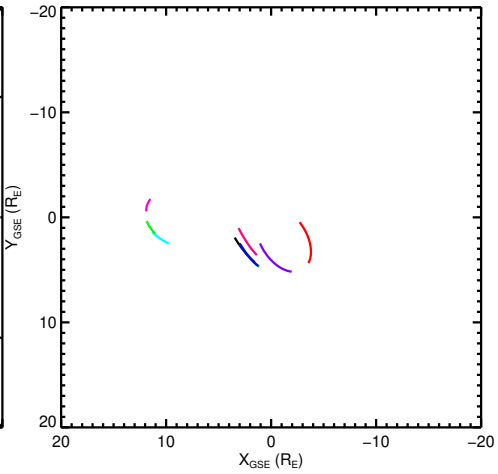


(a) 0135UT to 0410UT
ade bks cve cvw fhe fhw pgr sto wal

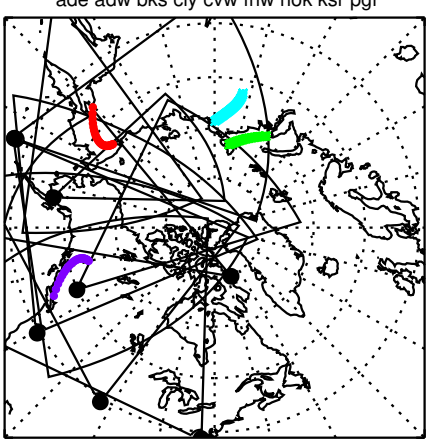


bpk dce sps

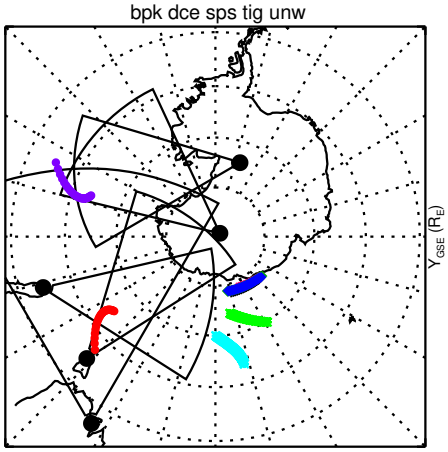


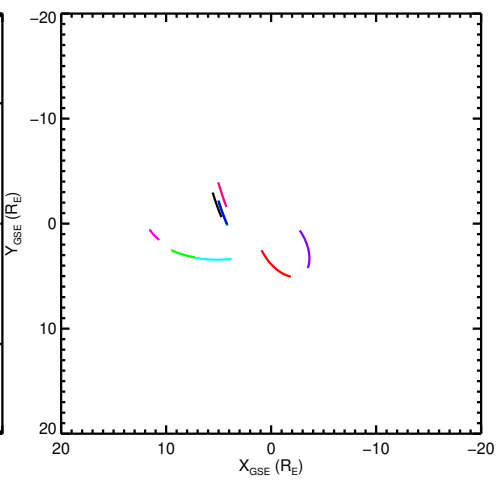


(b) 0615UT to 0830UT
ade adw bks cly cvw fhw hok ksr pgr

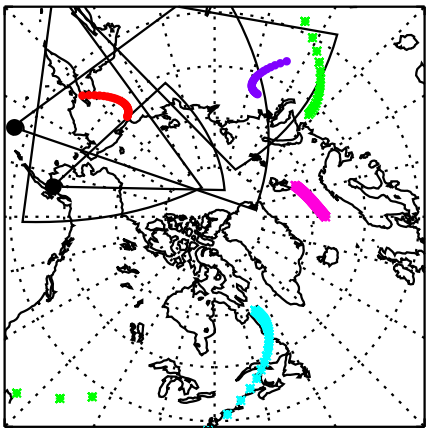


bpk dce sps tig unw

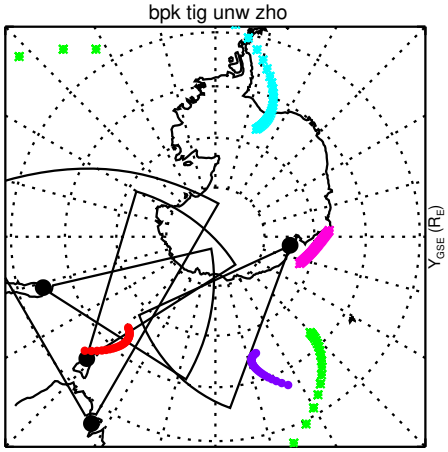


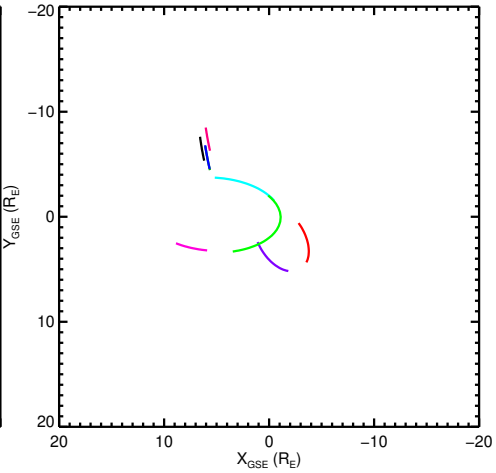


(c) 1035UT to 1305UT
adw hkw hok ksr

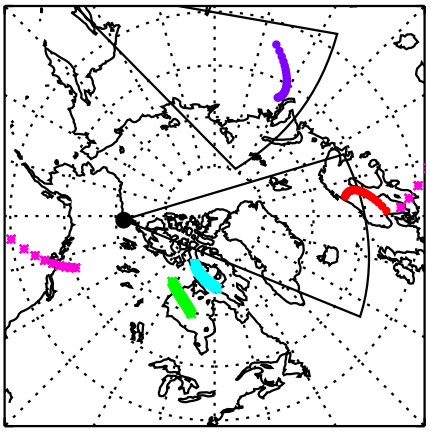


bpk tig unw zho

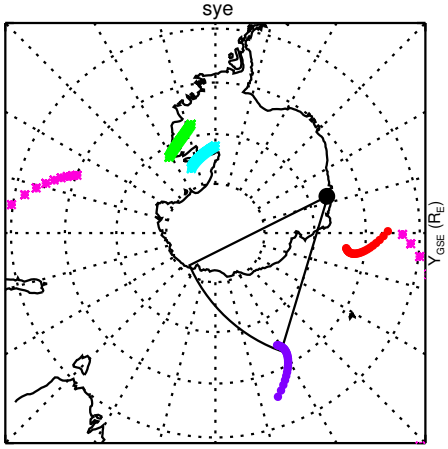


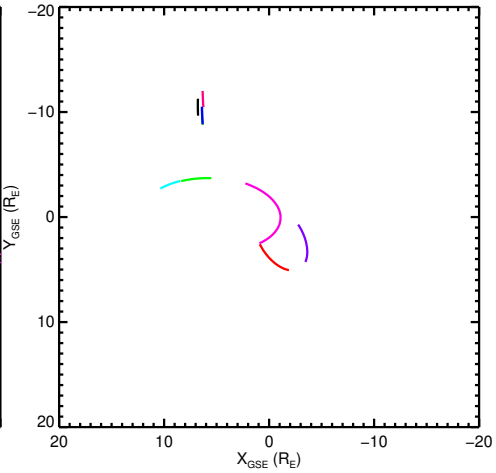


(d) 1515UT to 1730UT
hkw inv

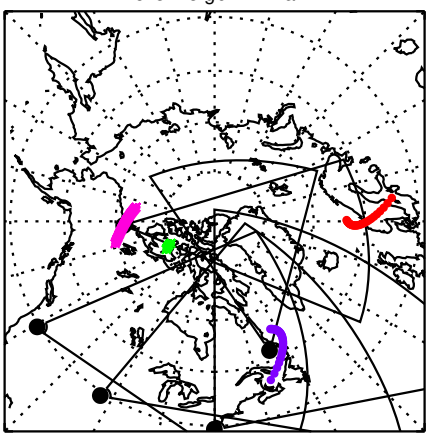


sye

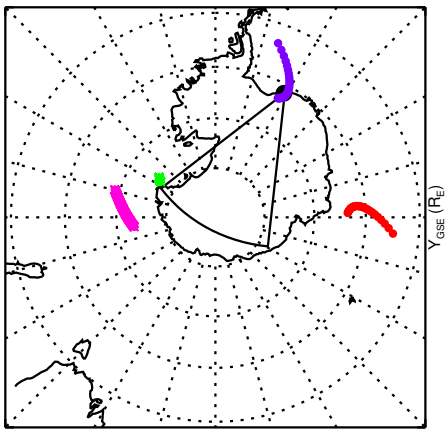


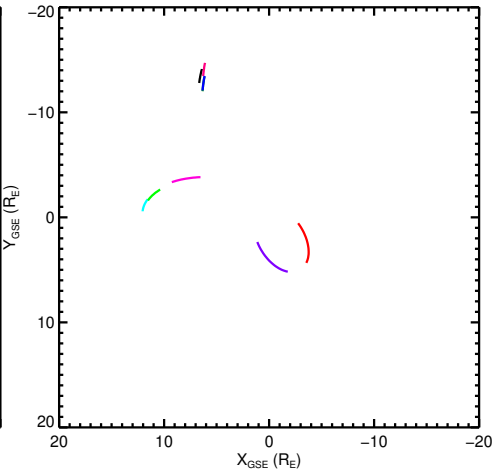


(e) 1935UT to 2205UT
cve fhe gbr inv wal



hal

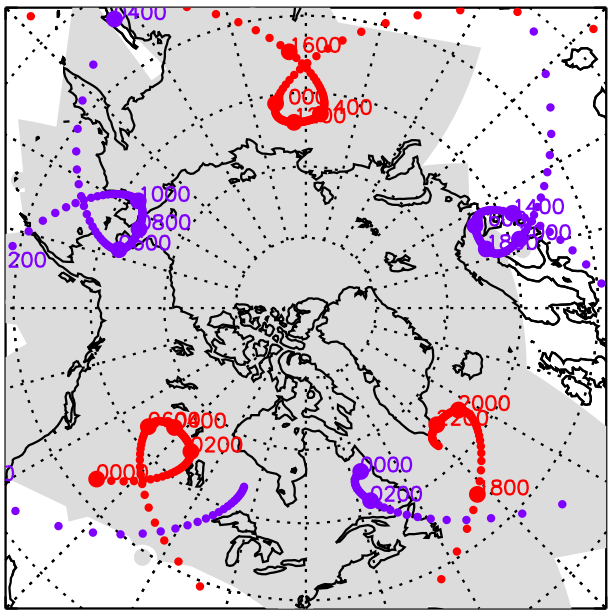


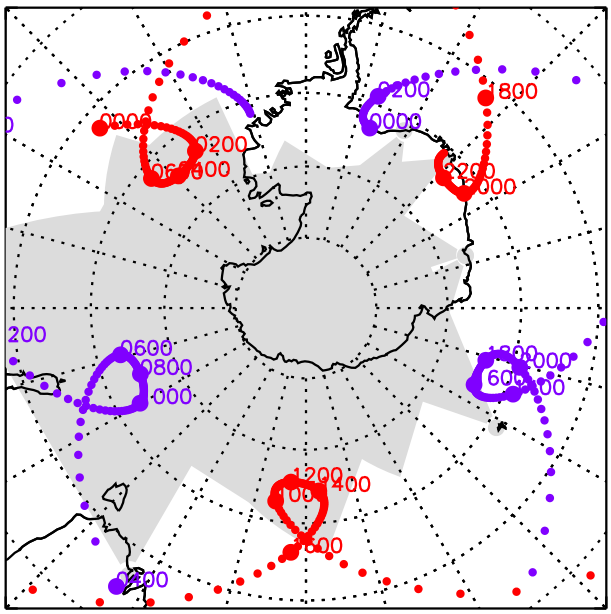


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

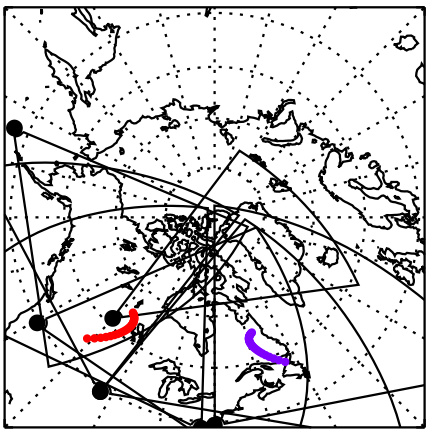
15–May–2015

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

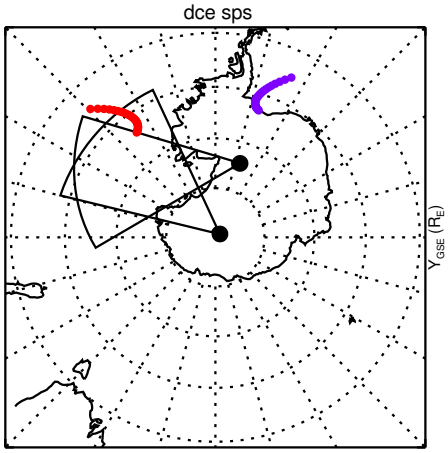


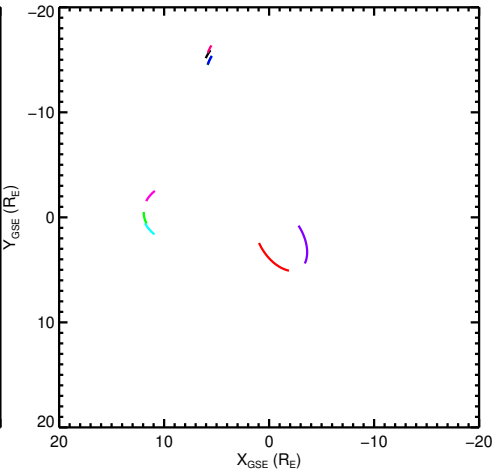


(a) 0010UT to 0230UT
ade bks cve fhe fhw sas wal

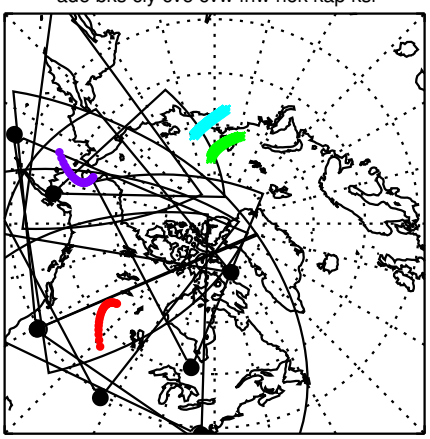


dce sps

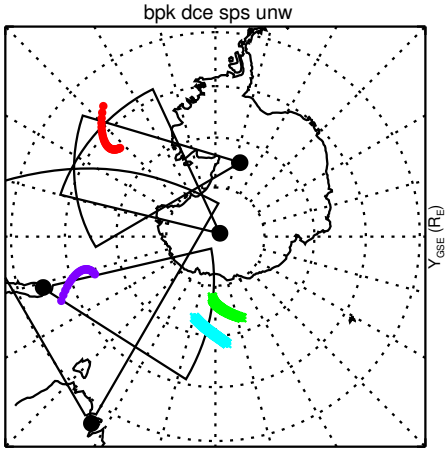


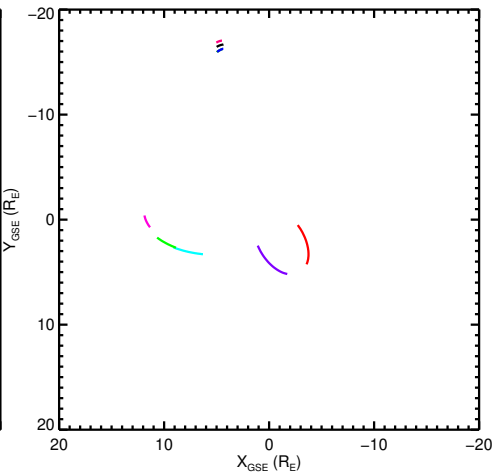


(b) 0440UT to 0705UT
ade bks cly cve cvw fhw hok kap ksr

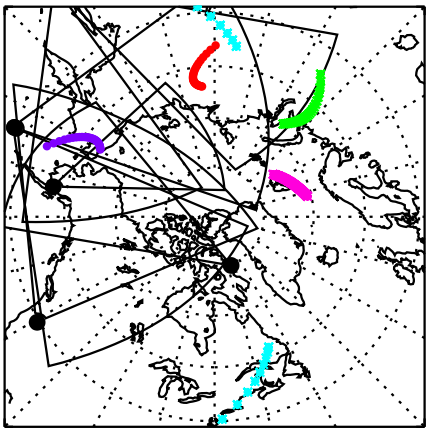


bpk dce sps unw

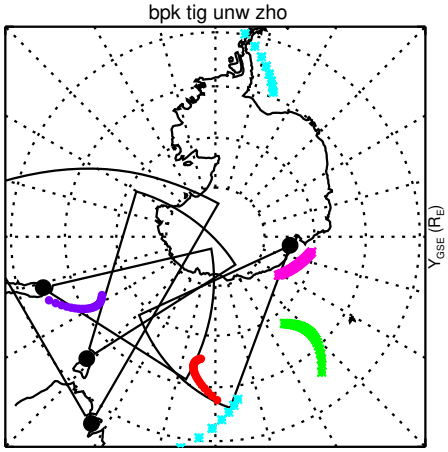


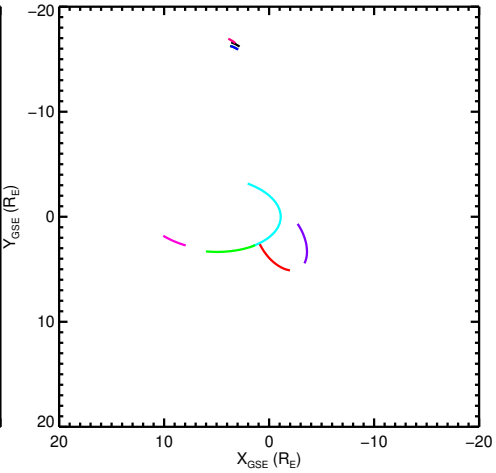


(c) 0910UT to 1135UT
ade adw cly cvw hkw hok ksr

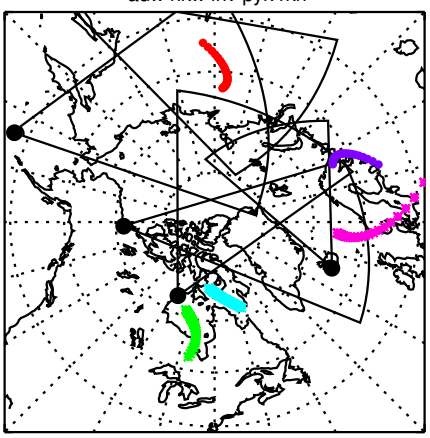


bpk tig unw zho

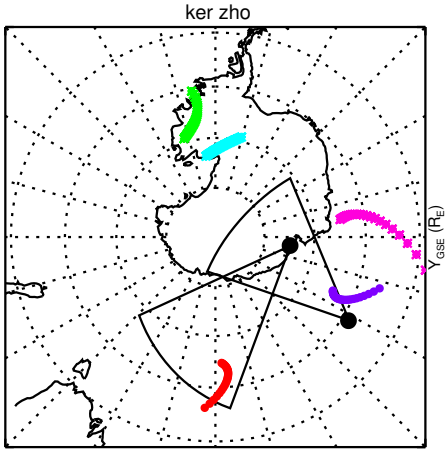


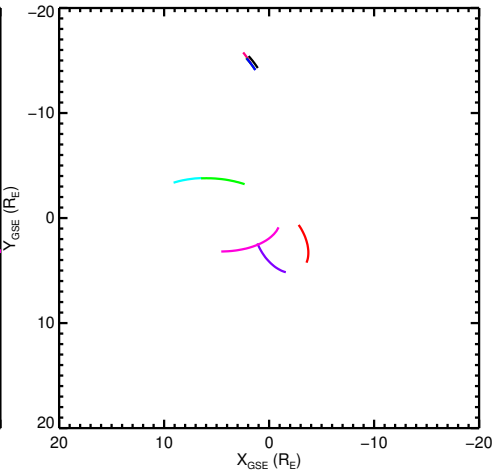


(d) 1340UT to 1600UT
adw hkw inv pyk rkn

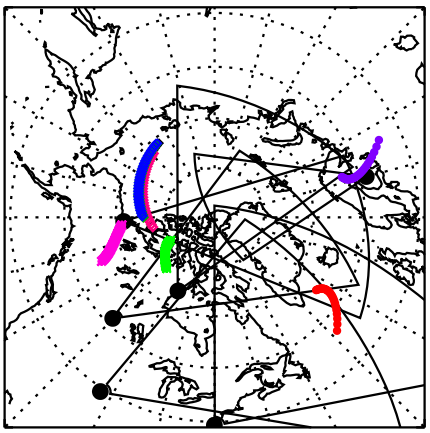


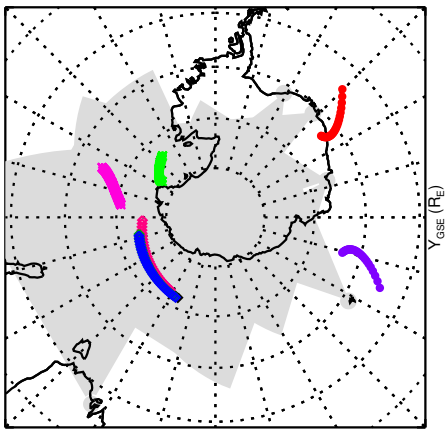
ker zho

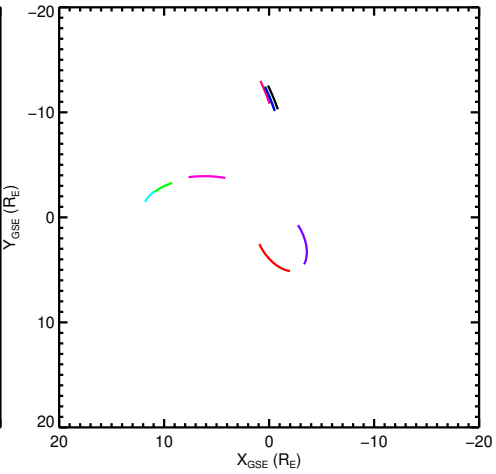




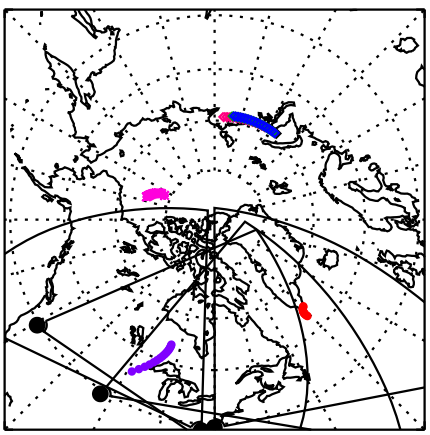
(e) 1810UT to 2035UT
fhe han inv rkn sas wal



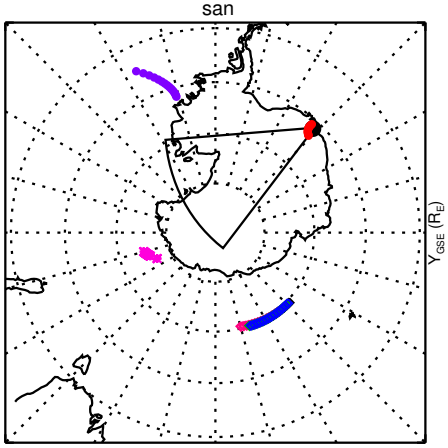


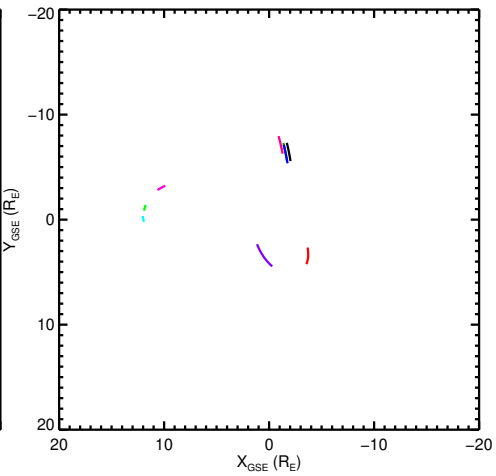


(f) 2240UT to 2355UT
bks cve fhe wal



san

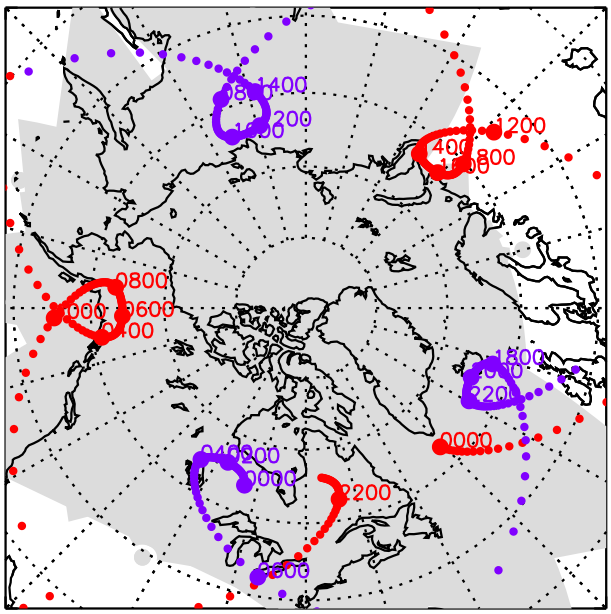


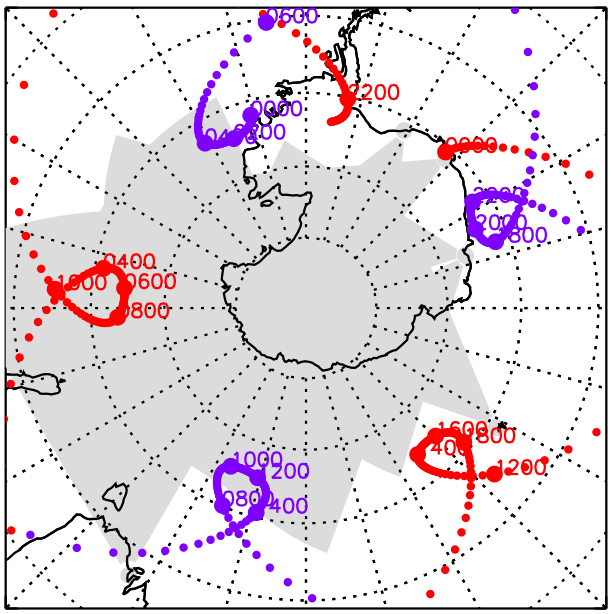


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

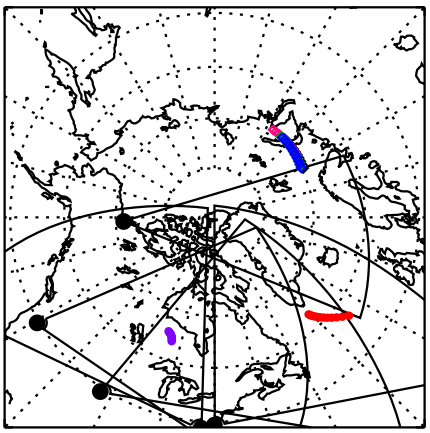
16–May–2015

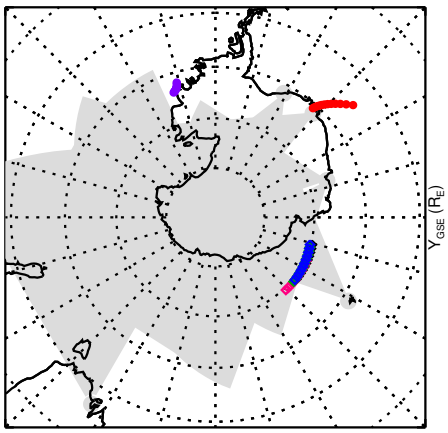
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

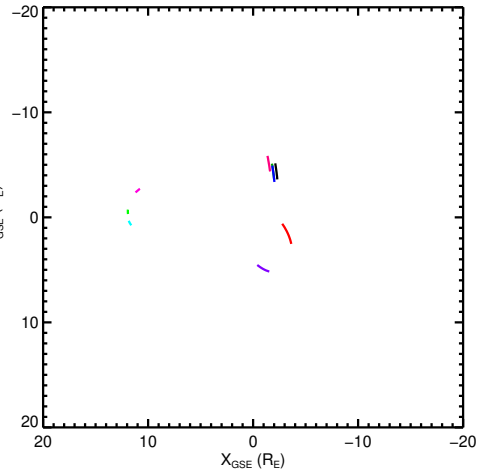




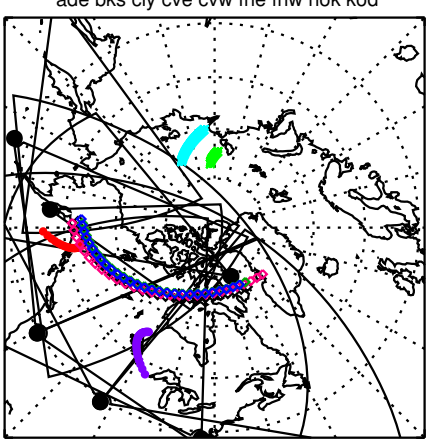
(a) 0000UT to 0100UT
bks cve fhe inv wal



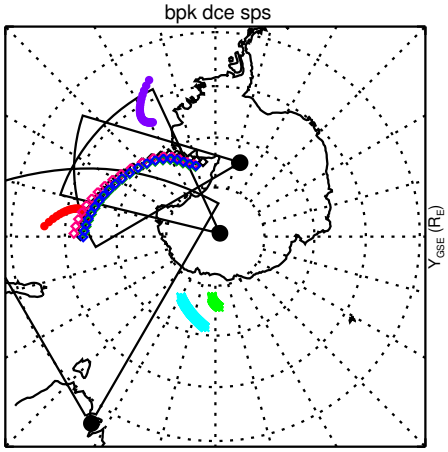


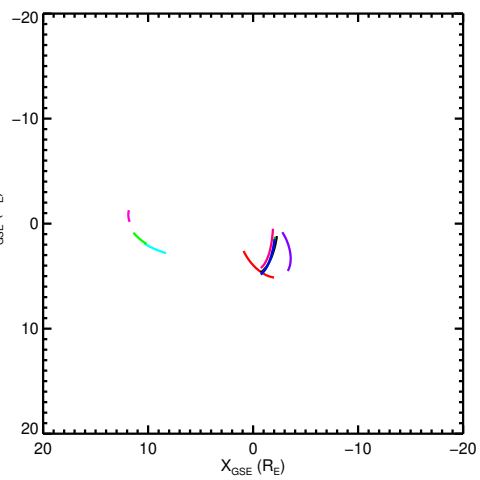


(b) 0310UT to 0535UT
ade bks cly cve cvw fhe fhw hok kod

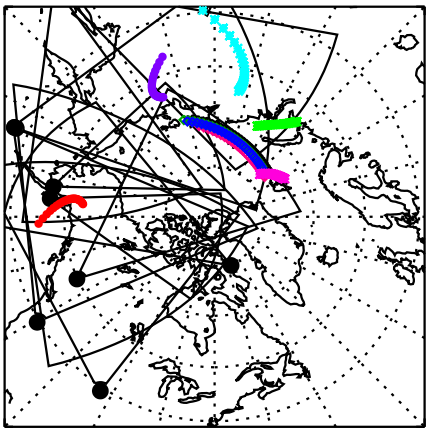


bpk dce sps

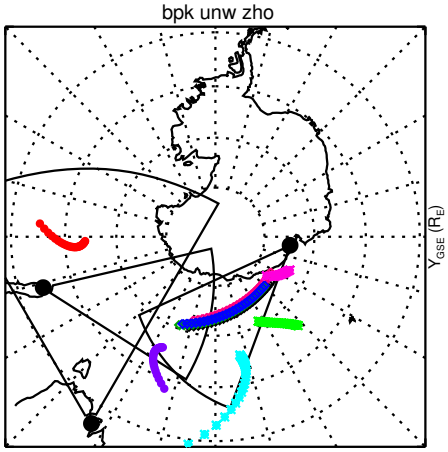


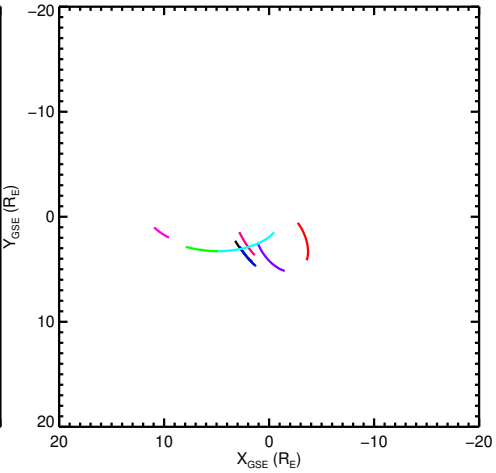


(c) 0745UT to 1000UT
ade adw cly cvw fhw hkw hok kod ksr pgr

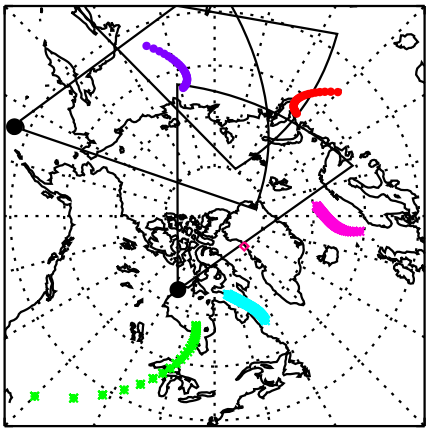


bpk unw zho

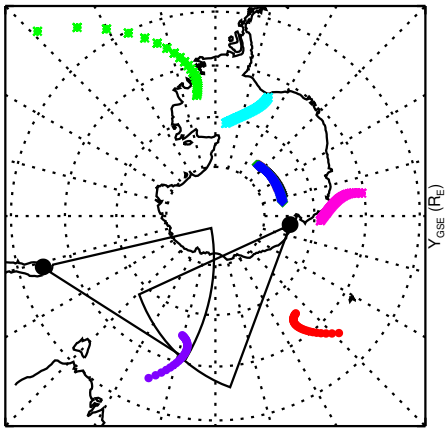


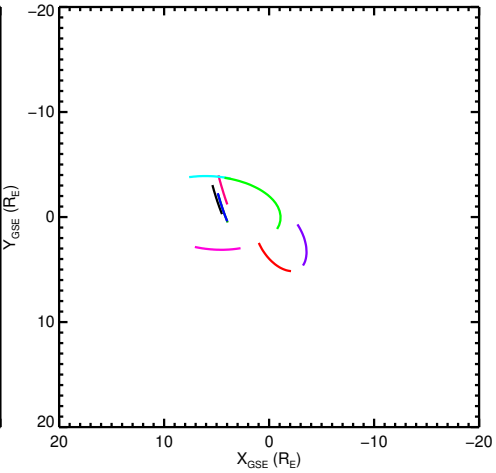


(d) 1205UT to 1440UT
adw hkw rkn

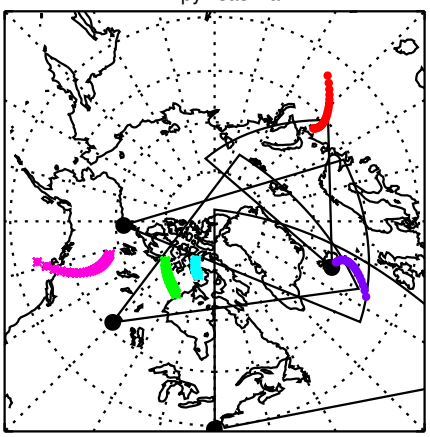


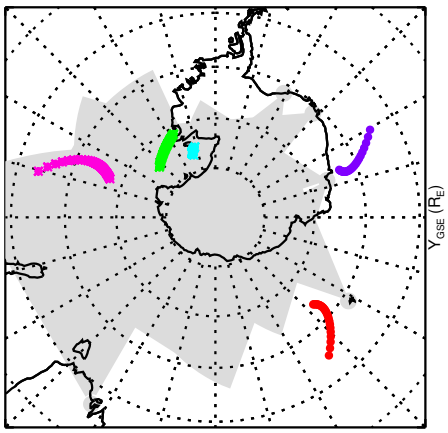
unw zho

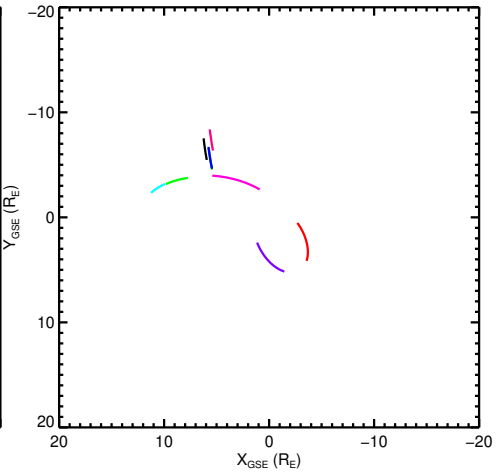




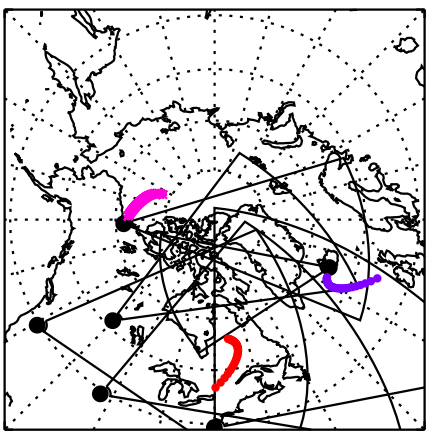
(e) 1645UT to 1900UT
inv pyk sas wal

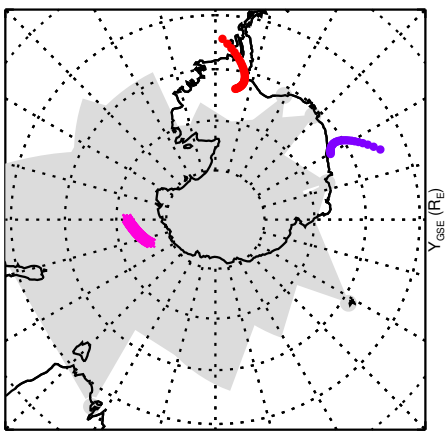


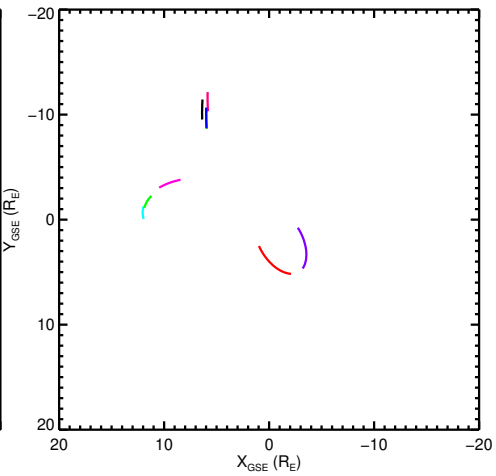




(f) 2105UT to 2340UT
cve fhe inv sas sto wal



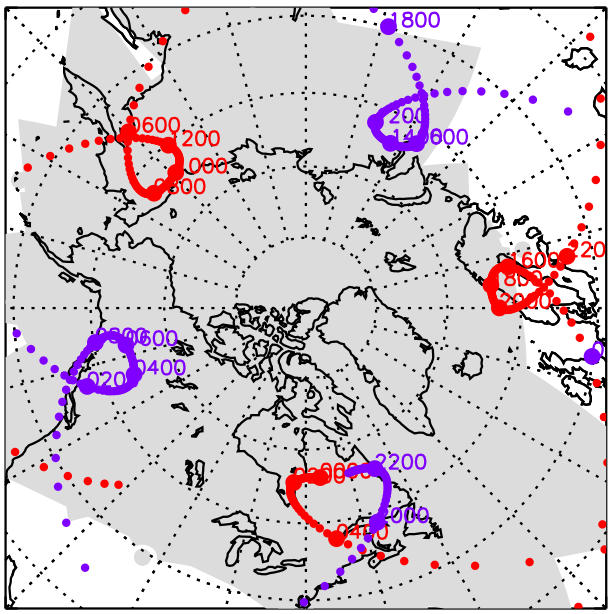


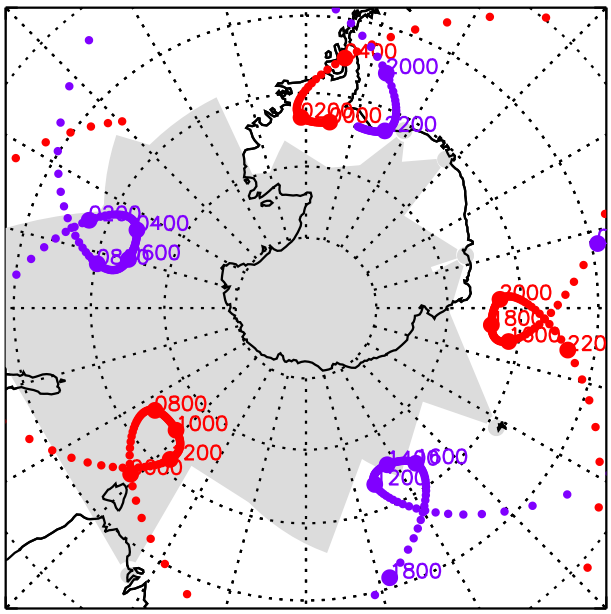


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

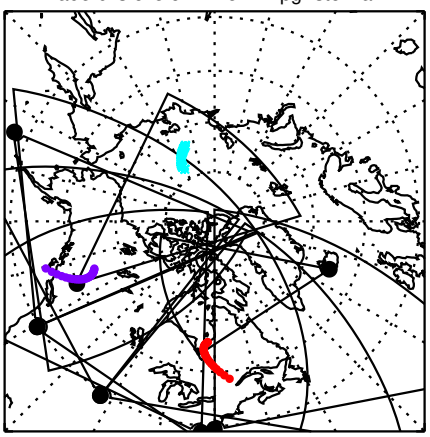
17−May−2015

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

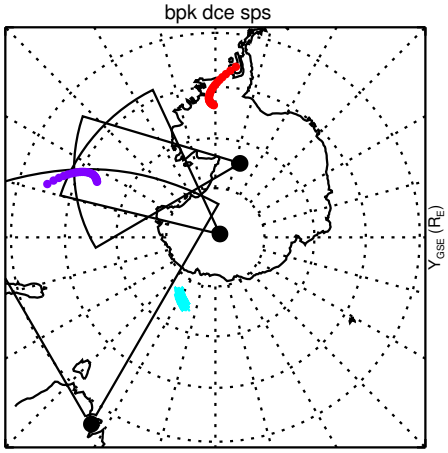


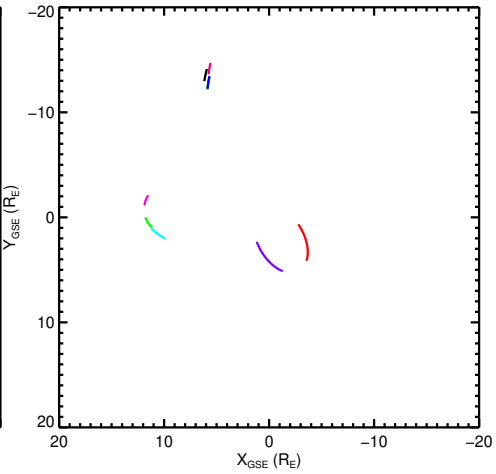


(a) 0145UT to 0355UT
ade bks cve cvw fhe fhw pgr sto wal

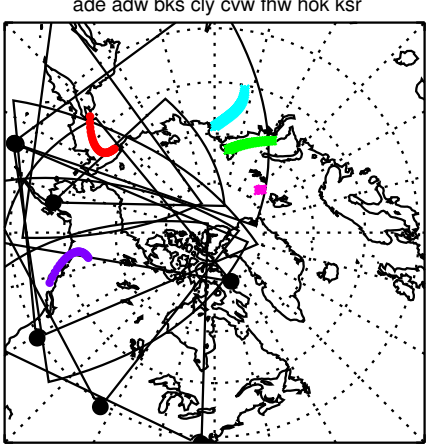


bpk dce sps

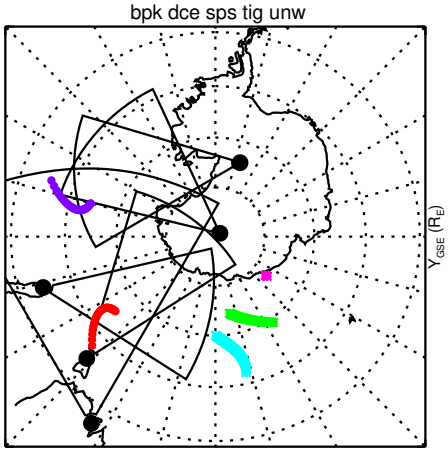


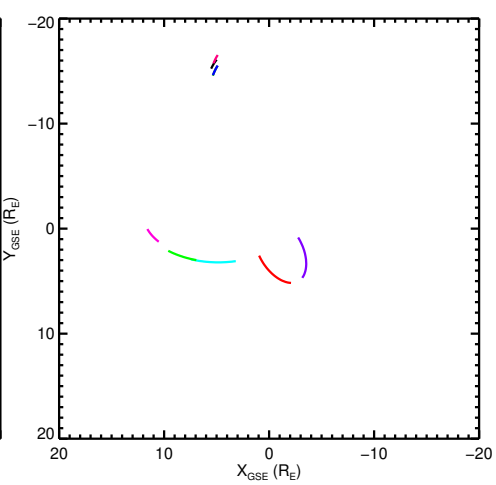


(b) 0605UT to 0840UT
ade adw bks cly cvw fhw hok ksr



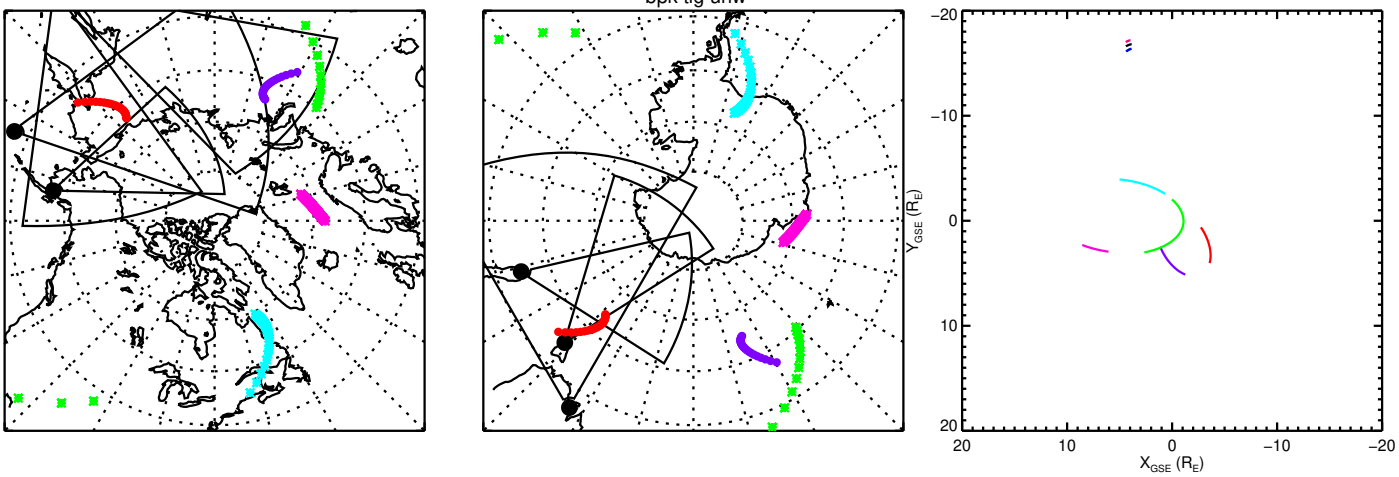
bpk dce sps tig unw





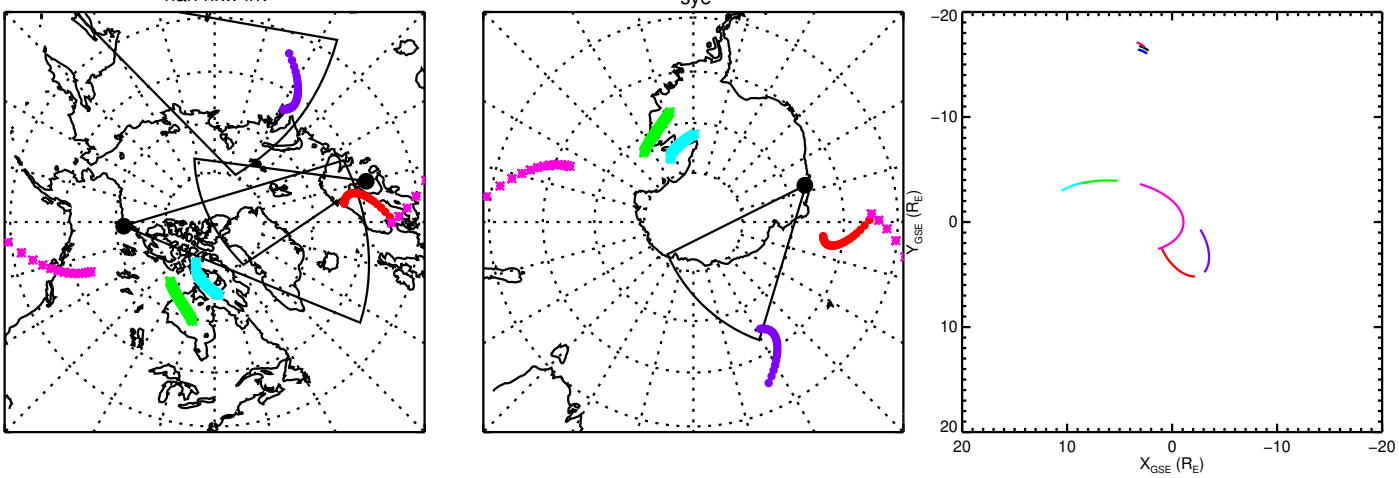
(c) 1050UT to 1255UT
adw hkw hok ksr

bpk tig unw

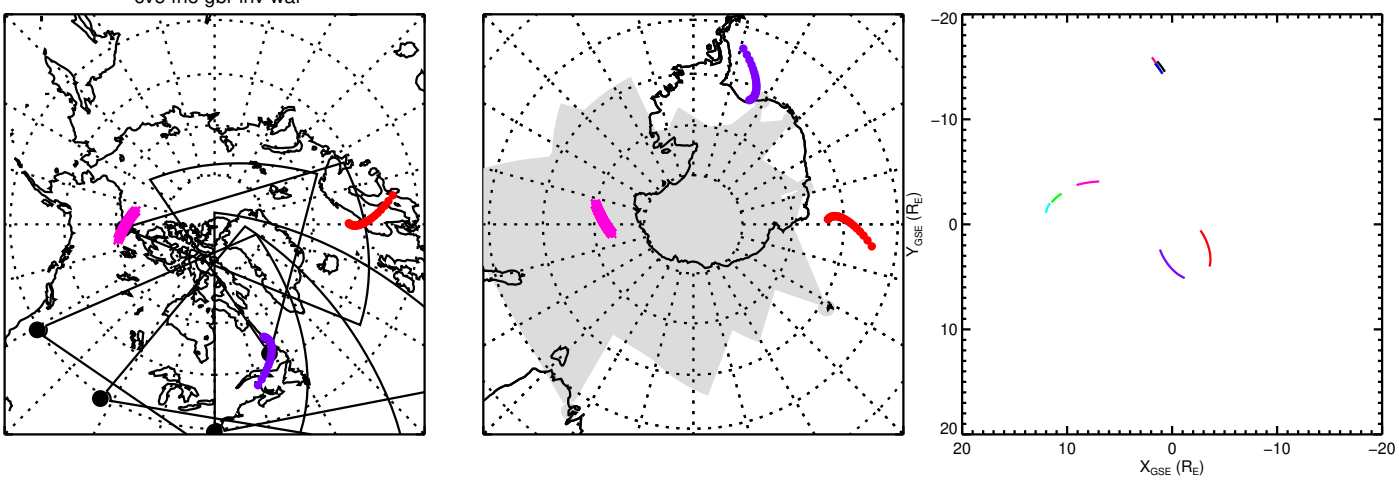


(d) 1500UT to 1745UT
han hkw inv

sye



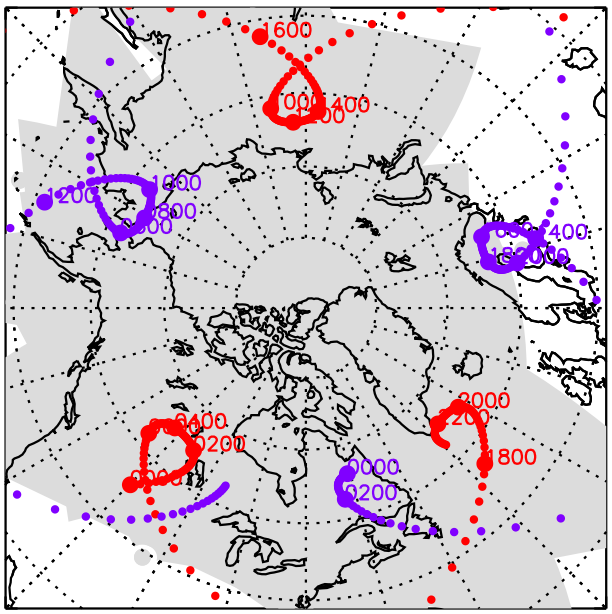
(e) 1950UT to 2155UT
cve fhe gbr inv wal

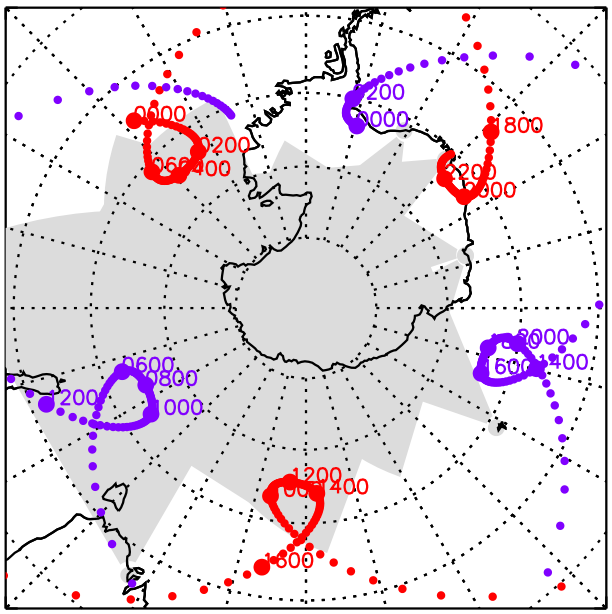


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

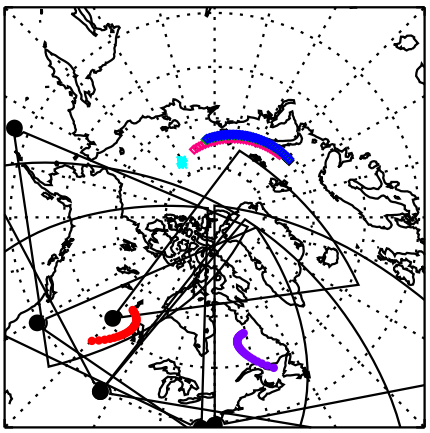
18–May–2015

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

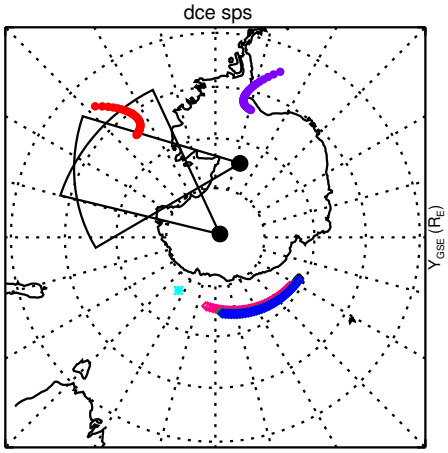


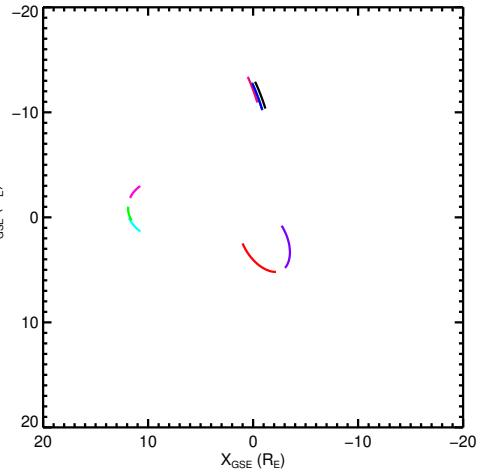


(a) 0000UT to 0245UT
ade bks cve fhe fhw sas wal

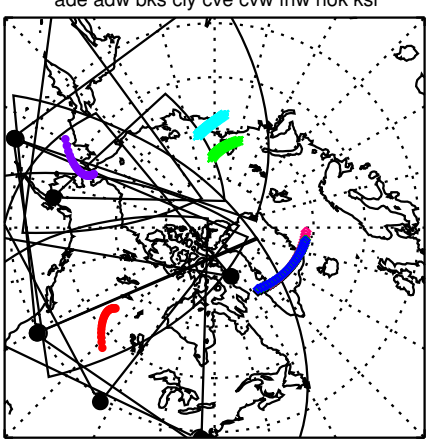


dce sps

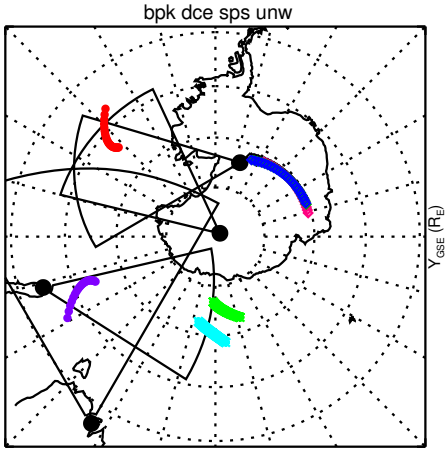


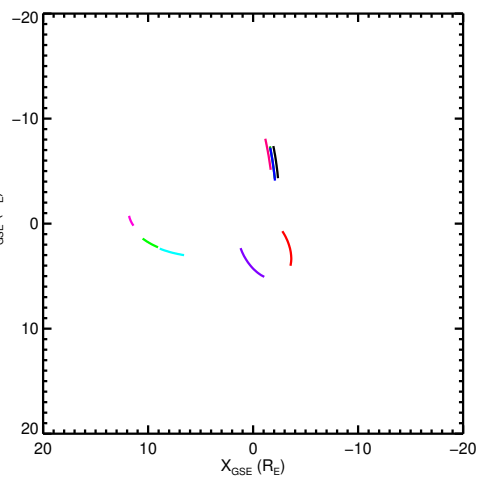


(b) 0450UT to 0650UT
ade adw bks cly cve cvw fhw hok ksr

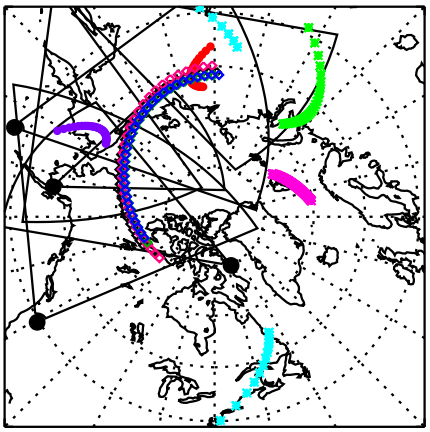


bpk dce sps unw

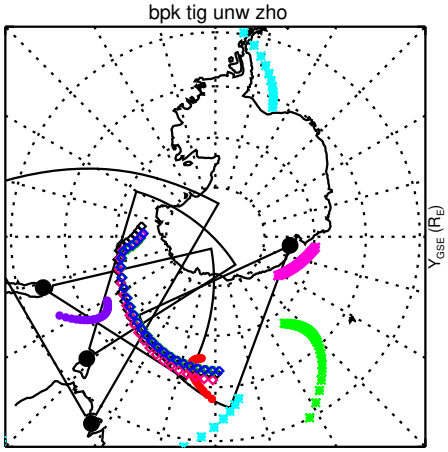


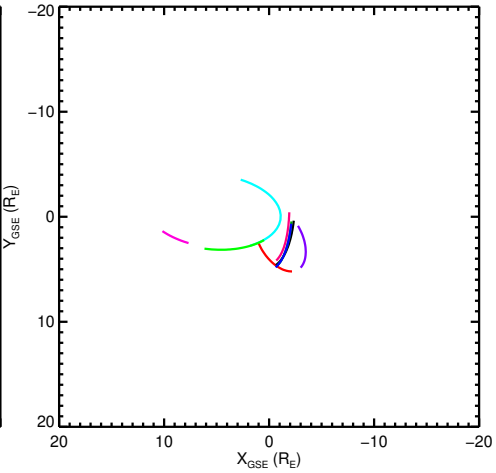


(c) 0900UT to 1145UT
adw cly cvw hkw hok ksr

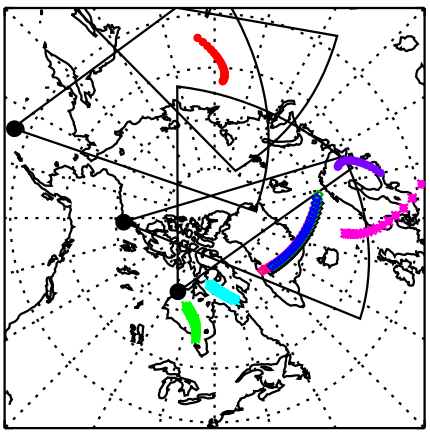


bpk tig unw zho

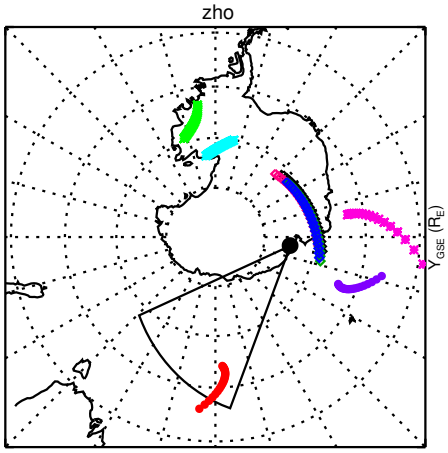


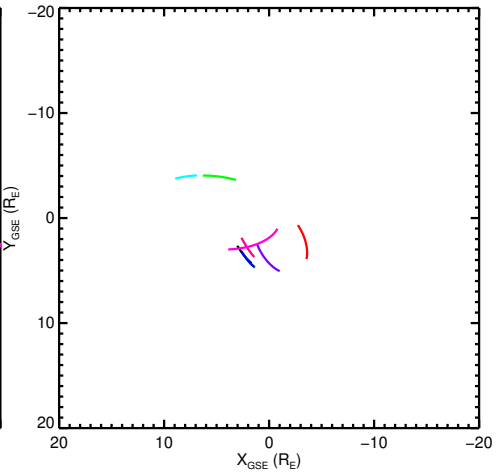


(d) 1355UT to 1550UT
adw hkw inv rkn

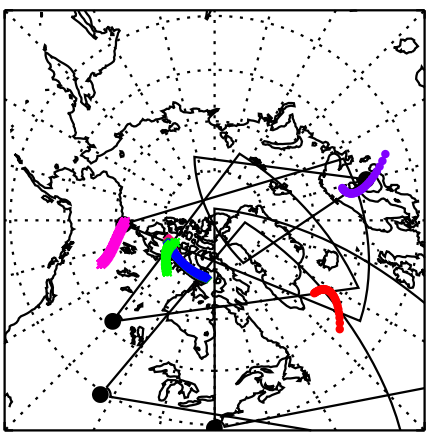


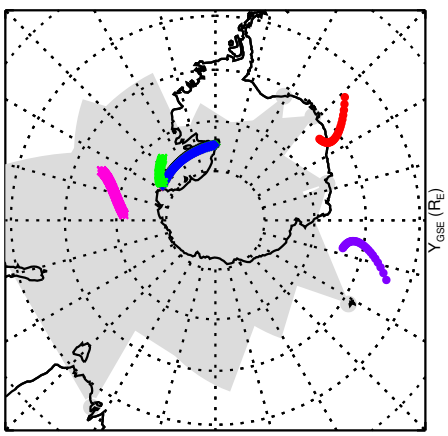
zho

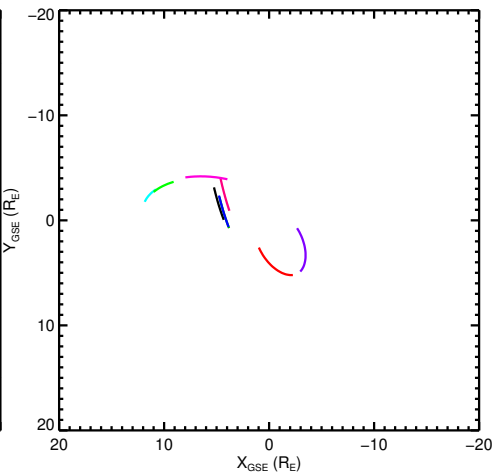




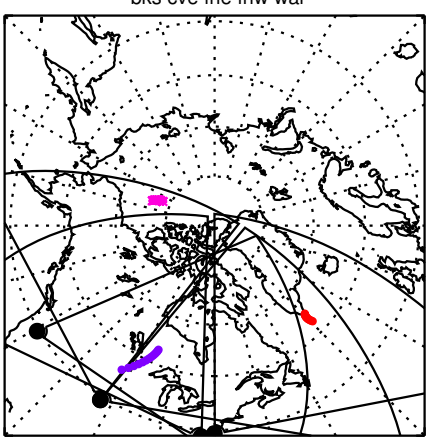
(e) 1800UT to 2050UT
fhe han inv sas wal



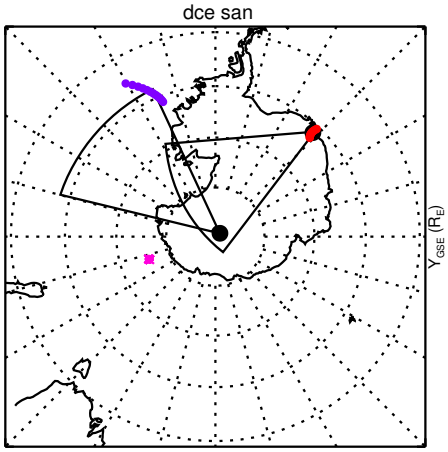


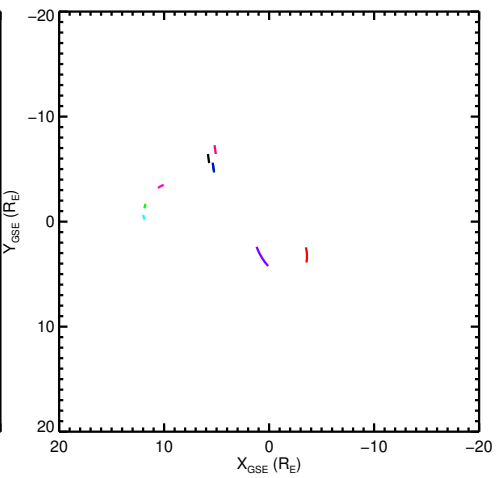


(f) 2255UT to 2355UT
bks cve fhe fhw wal



dce san

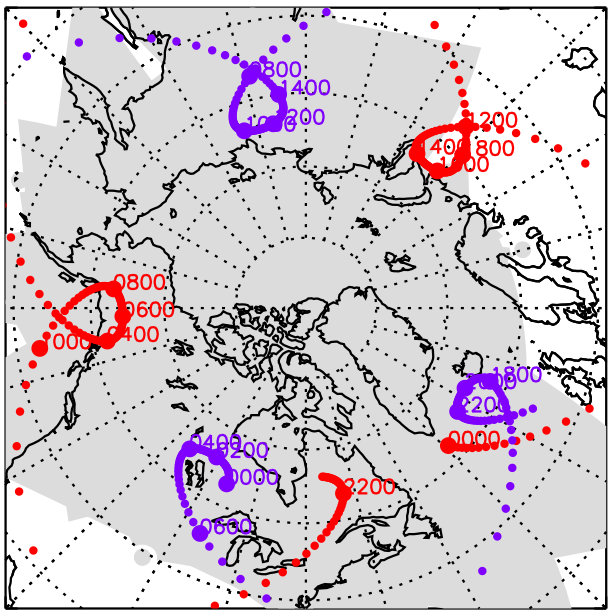


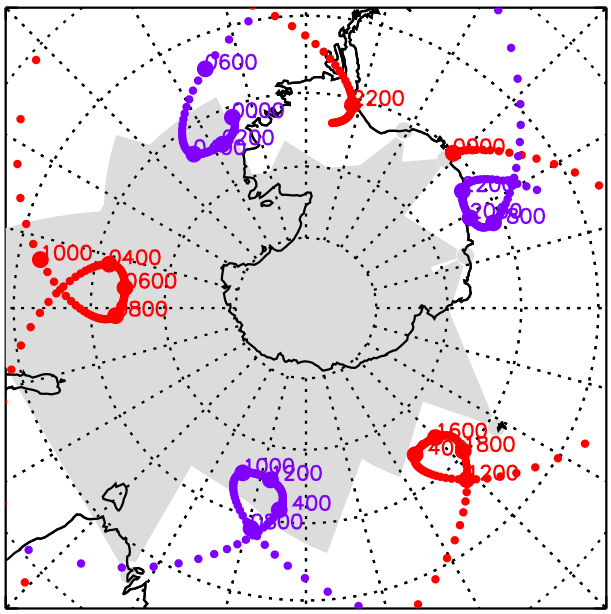


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

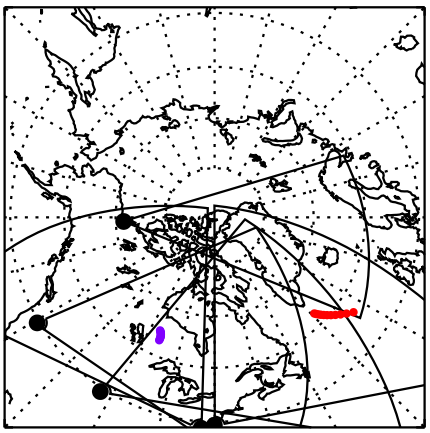
19–May–2015

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

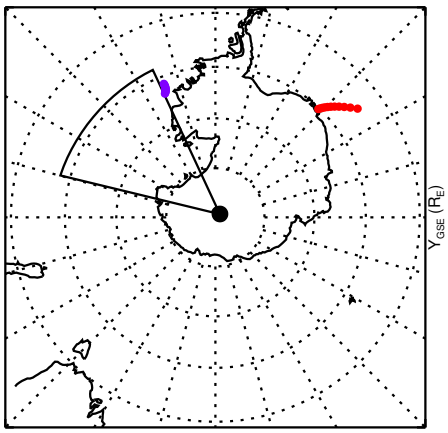


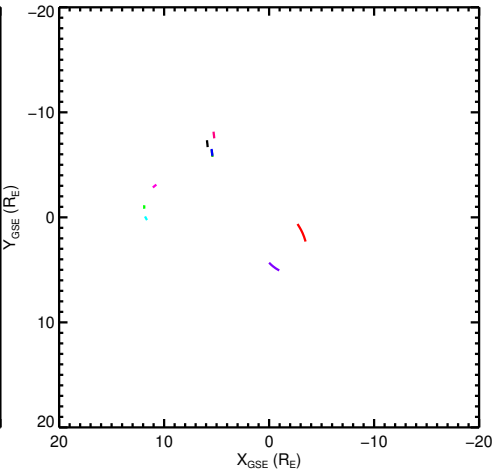


(a) 0000UT to 0050UT
bks cve fhe inv wal

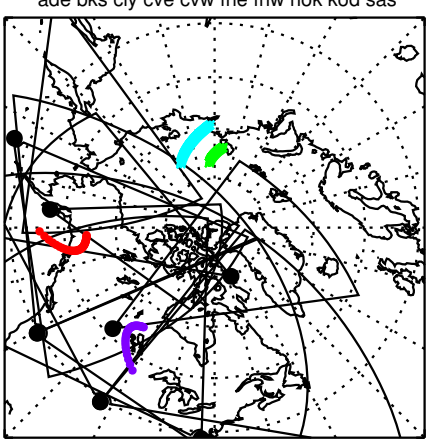


dce

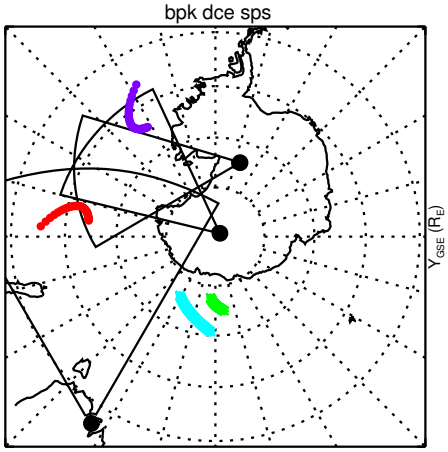


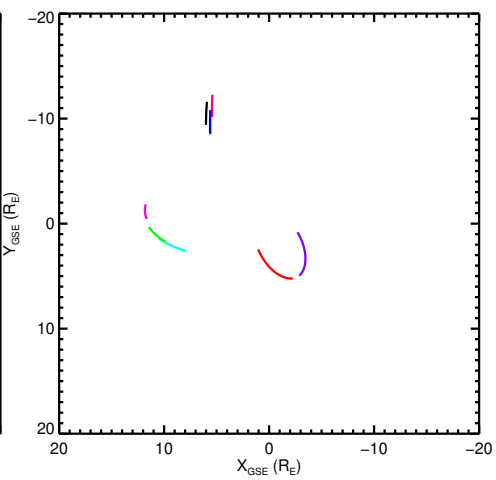


(b) 0255UT to 0550UT
ade bks cly cve cvw fhe fhw hok kod sas



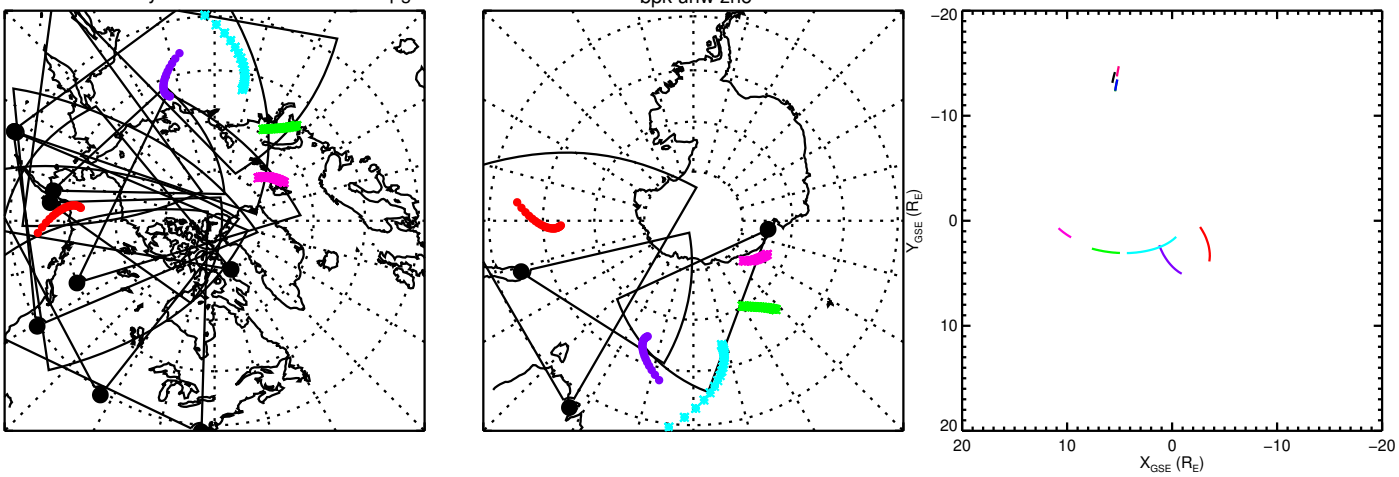
bpk dce sps





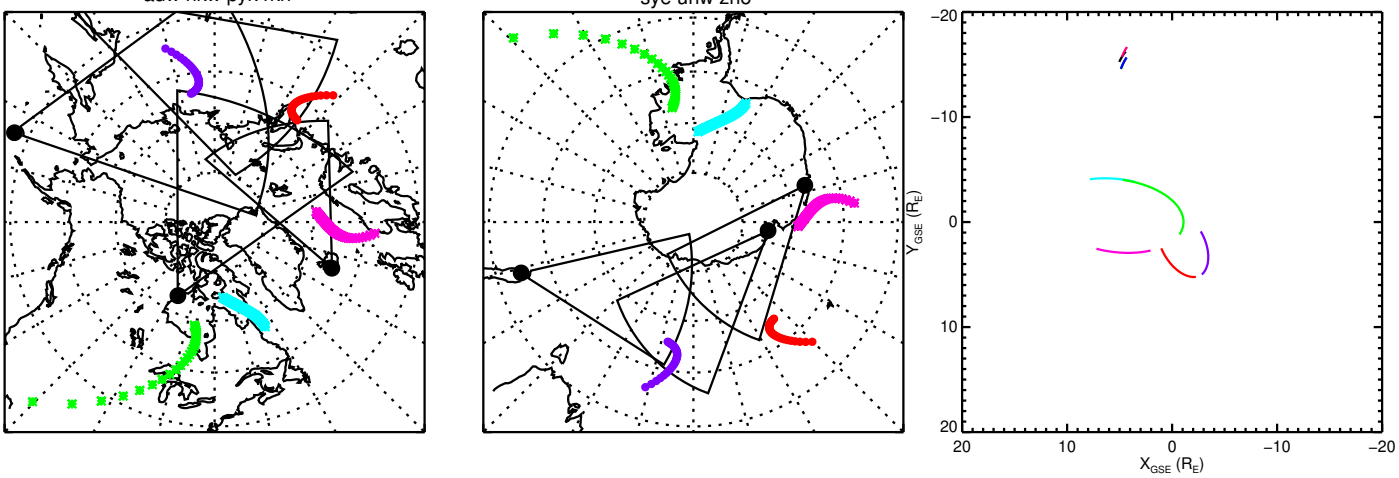
(c) 0755UT to 0950UT
ade adw bks cly cvw fhw hkw hok kod ksr pgr

bpk unw zho

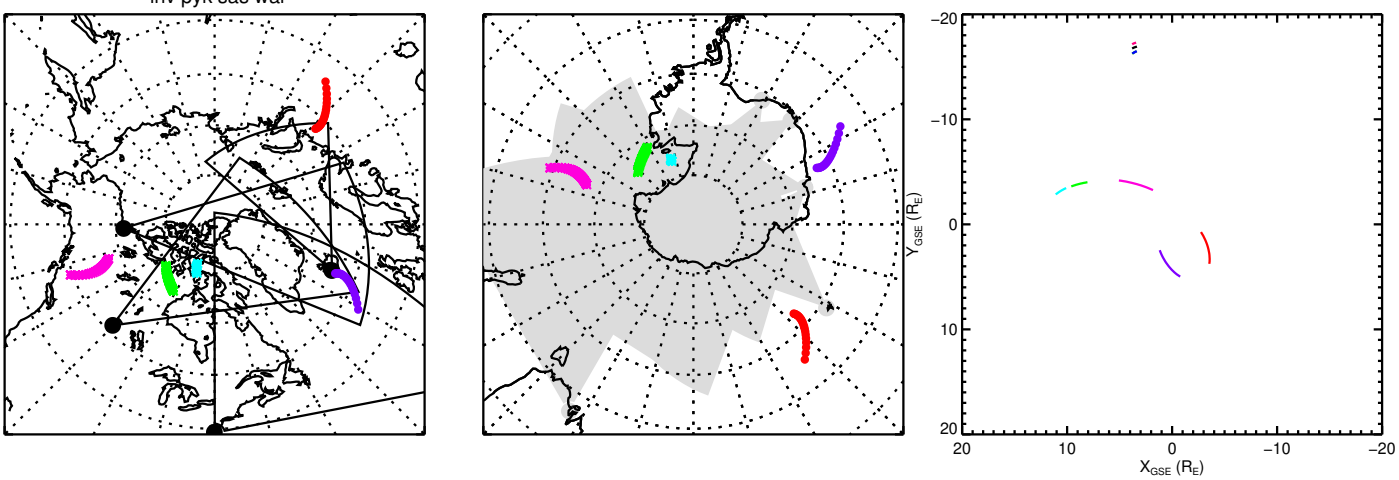


(d) 1155UT to 1450UT
adw hkw pyk rkn

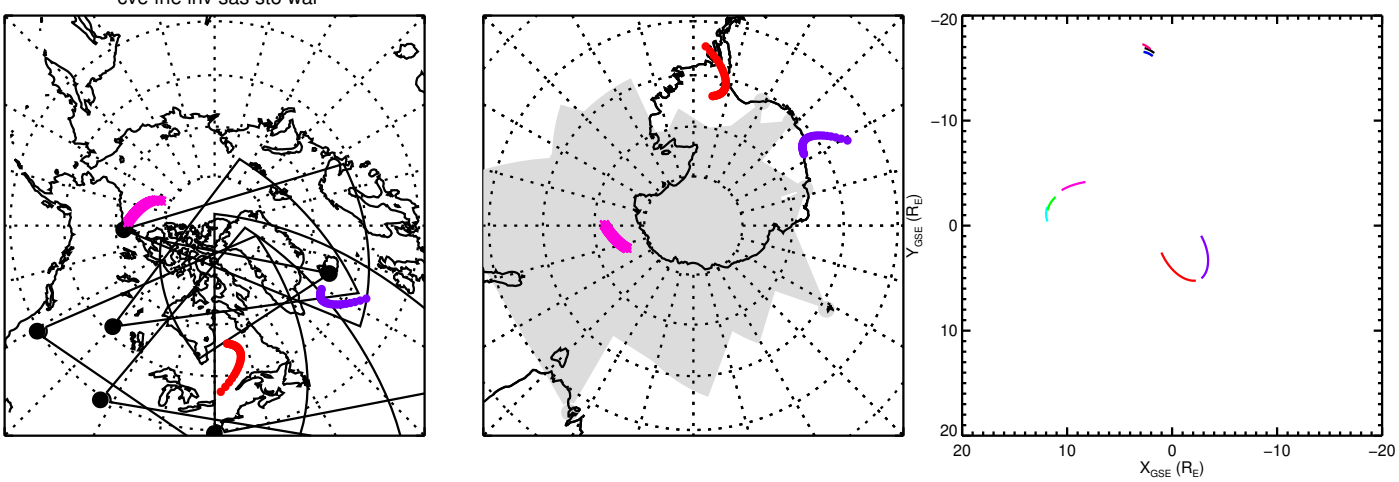
sye unw zho



(e) 1700UT to 1845UT
inv pyk sas wal



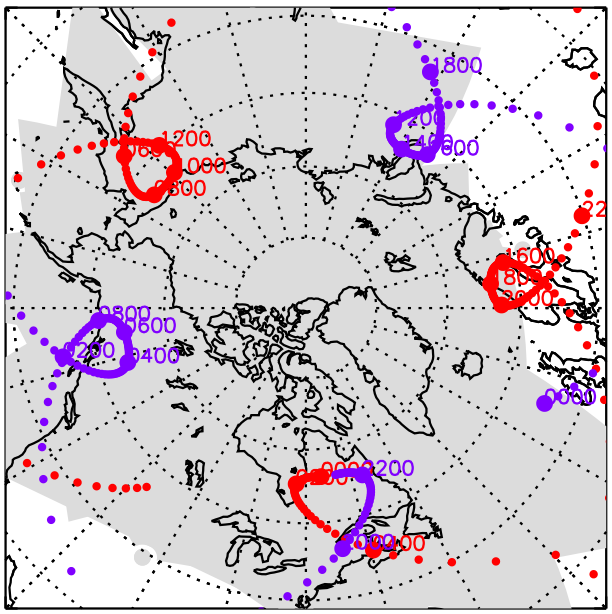
(f) 2055UT to 2350UT
cve fhe inv sas sto wal

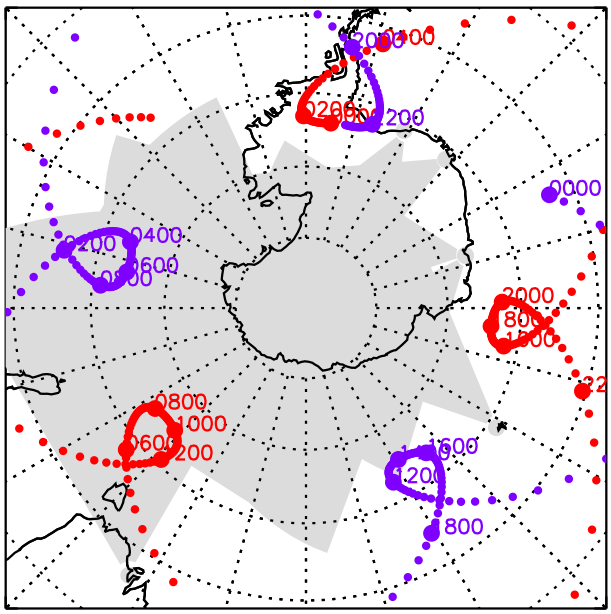


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

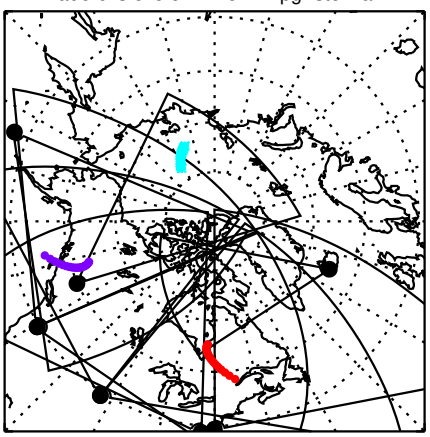
20–May–2015

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

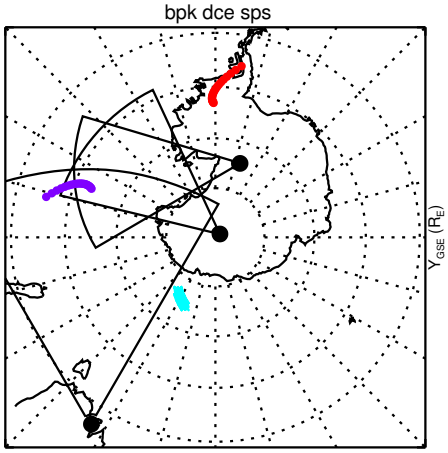


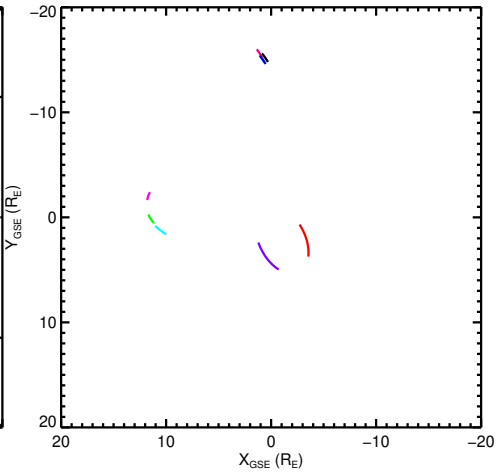


(a) 0200UT to 0345UT
ade bks cve cvw fhe fhw pgr sto wal

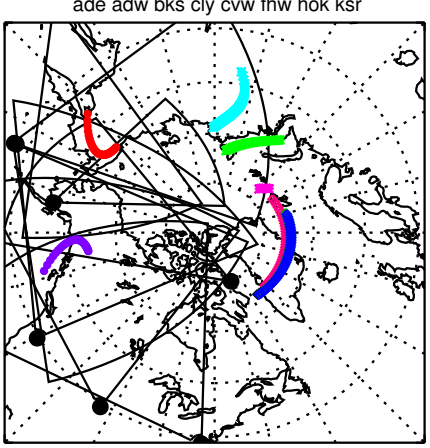


bpk dce sps

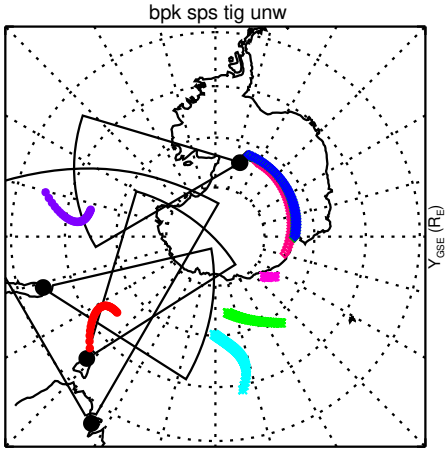


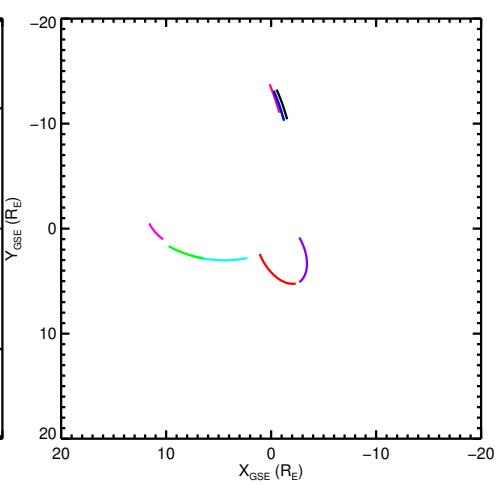


(b) 0550UT to 0855UT
ade adw bks cly cvw fhw hok ksr



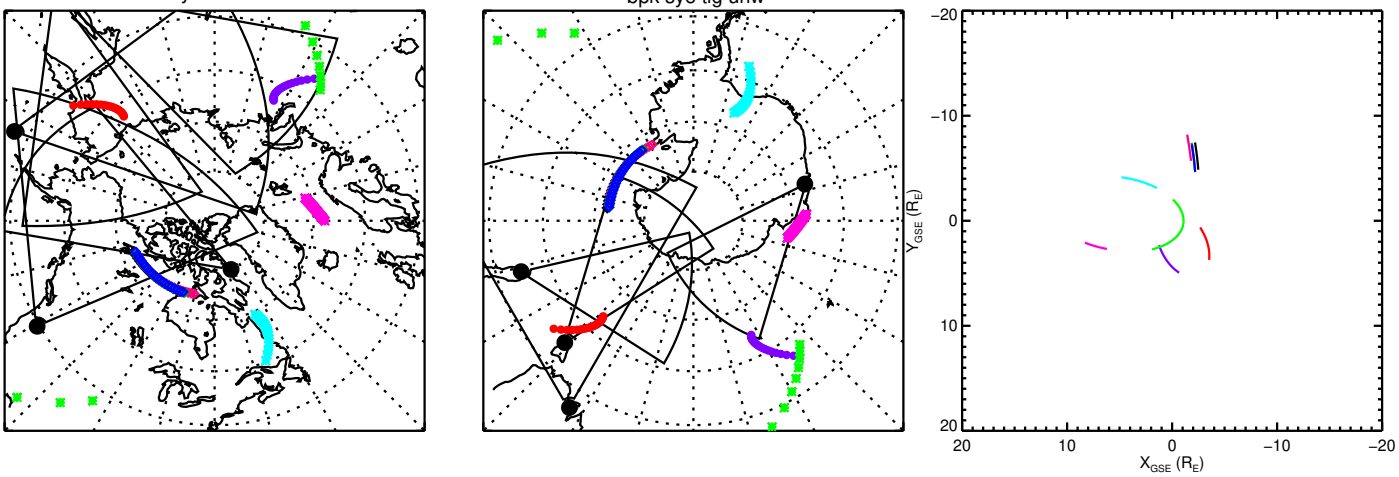
bpk sps tig unw





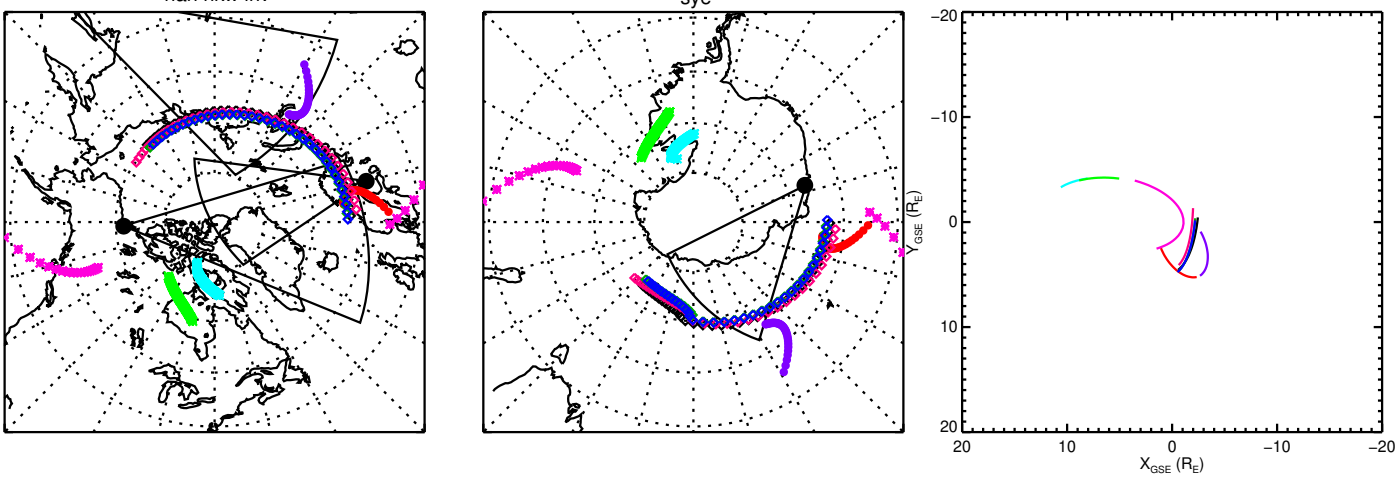
(c) 1100UT to 1245UT
adw cly cvw hkw hok

bpk sye tig unw

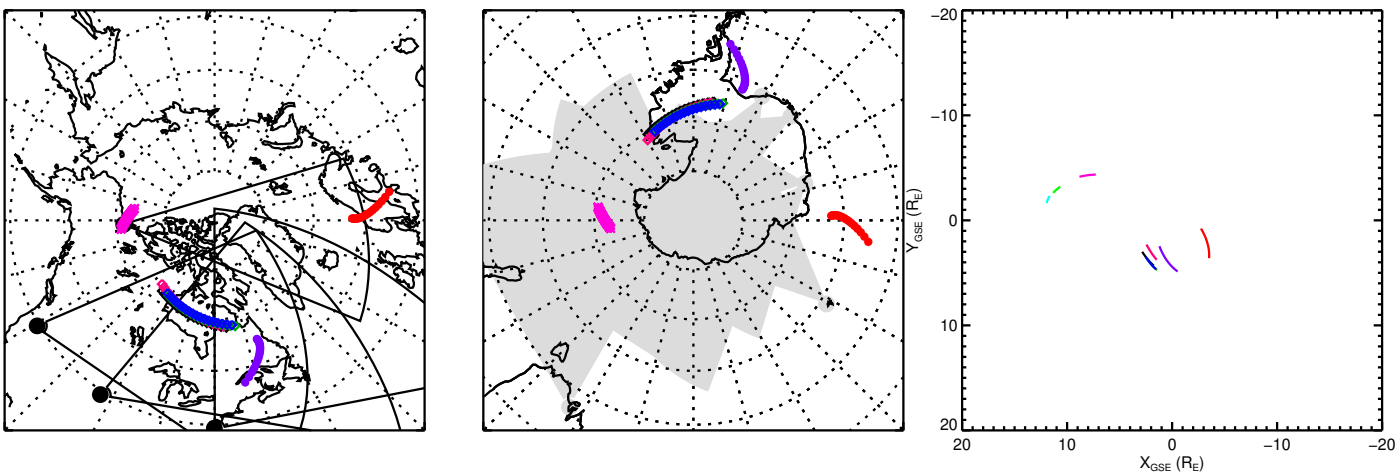


(d) 1450UT to 1755UT
han hkw inv

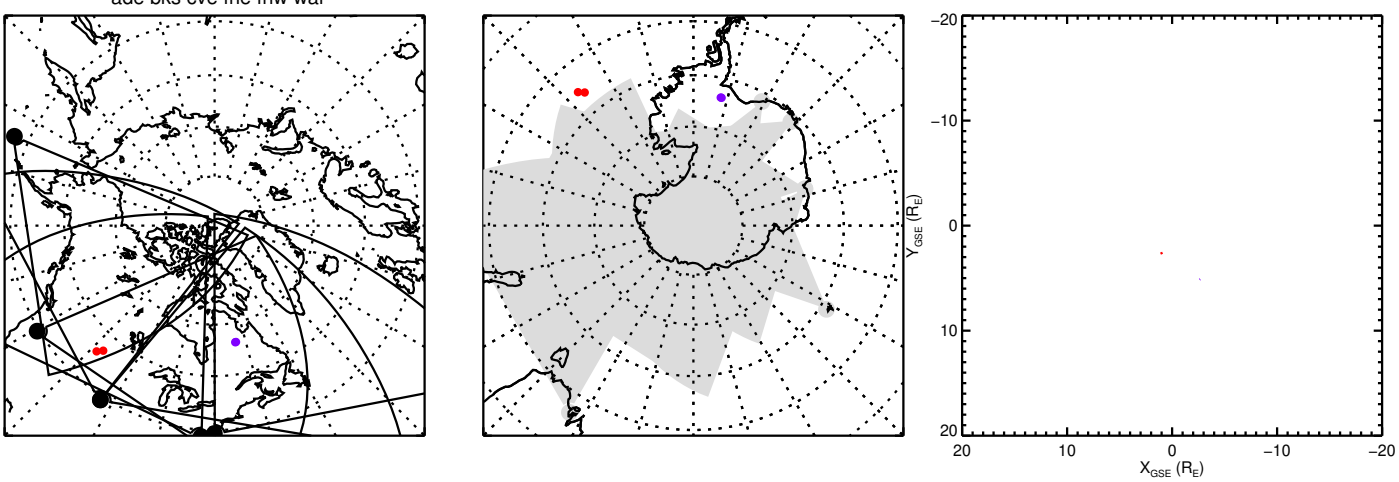
sye



(e) 2005UT to 2140UT
cve fhe inv wal



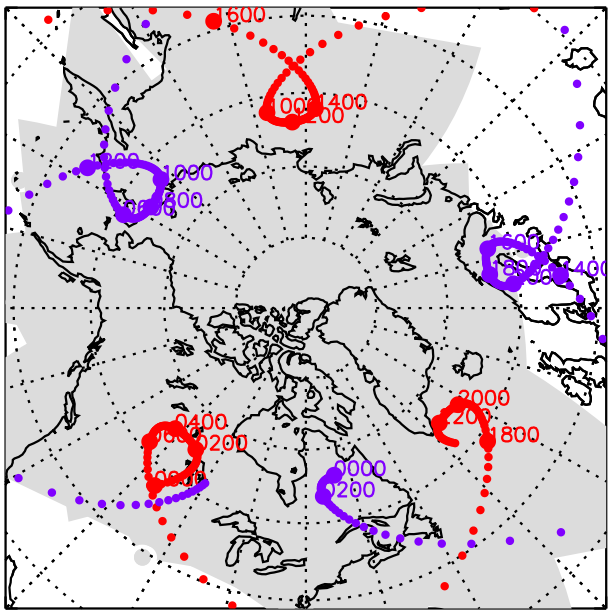
(f) 2350UT to 2355UT
ade bks cve fhe fhw wal

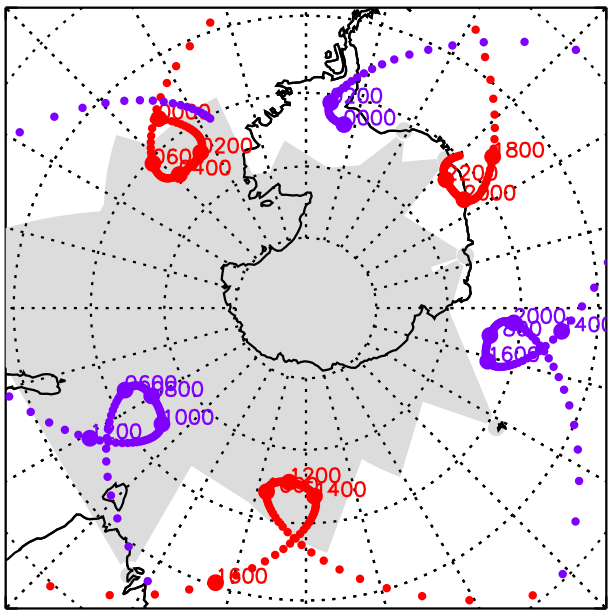


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

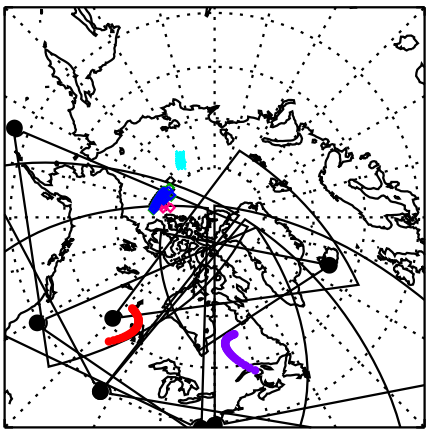
21−May−2015

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

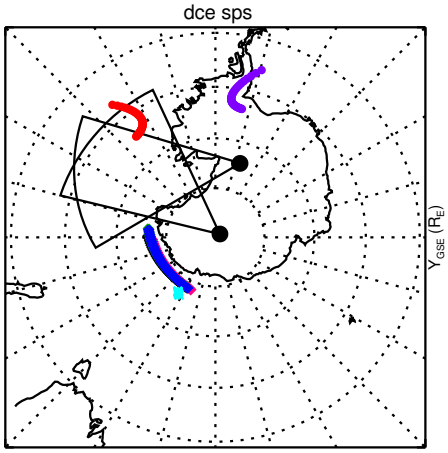


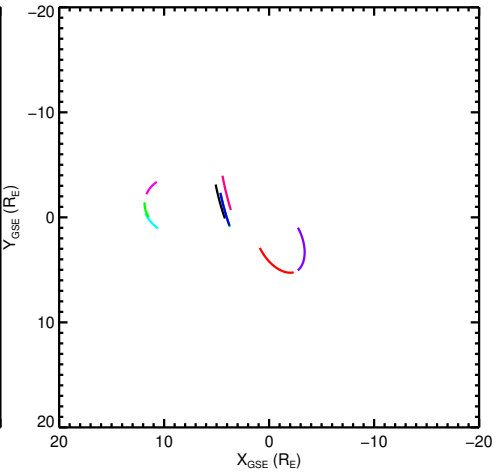


(a) 0000UT to 0255UT
ade bks cve fhe fhw sas sto wal

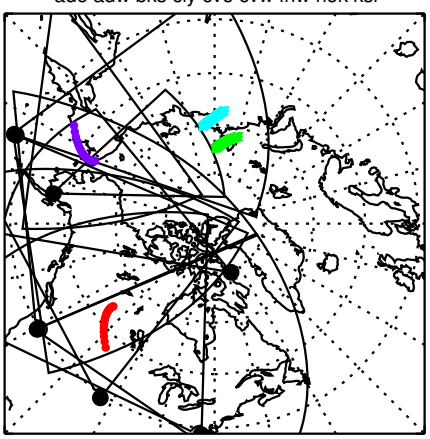


dce sps

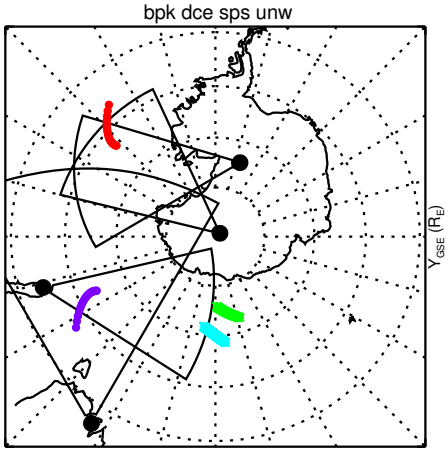


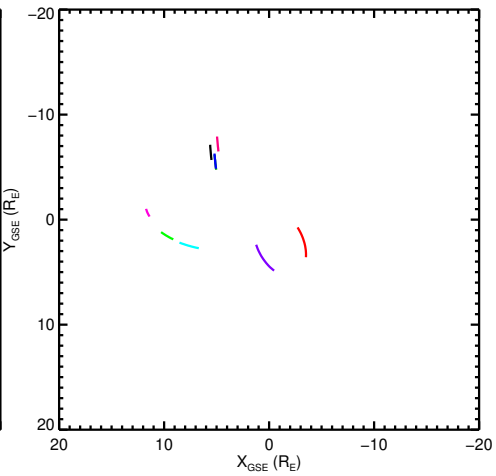


(b) 0505UT to 0640UT
ade adw bks cly cve cvw fhw hok ksr

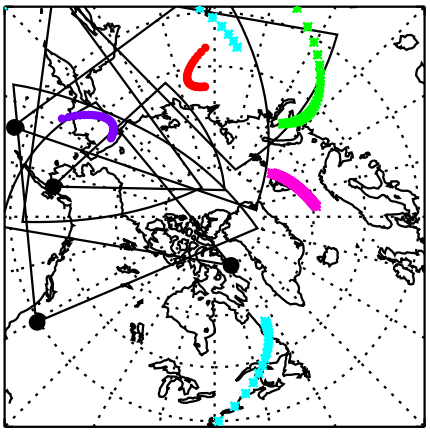


bpk dce sps unw

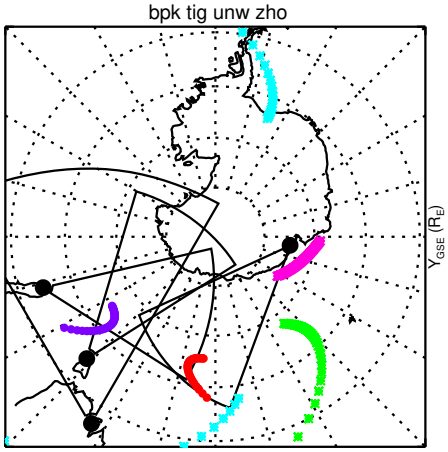


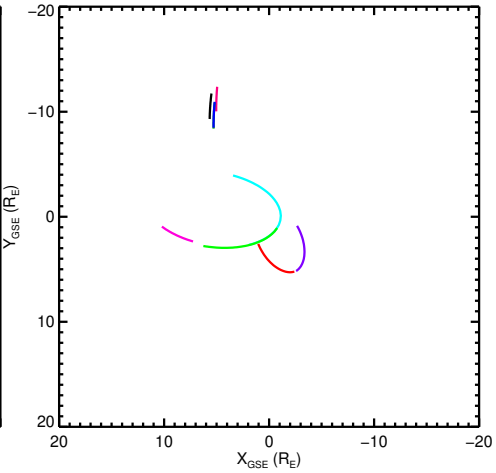


(c) 0850UT to 1200UT
adw cly cvw hkw hok ksr

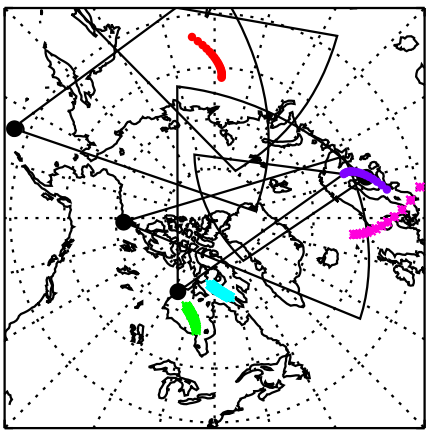


bpk tig unw zho

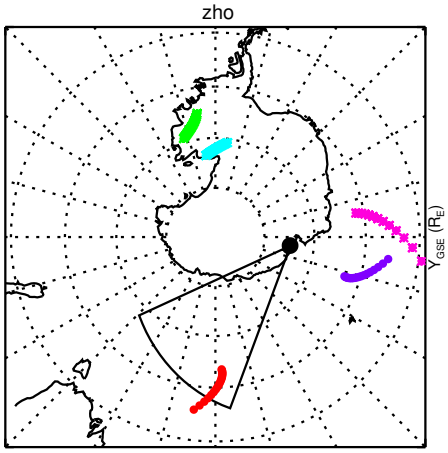


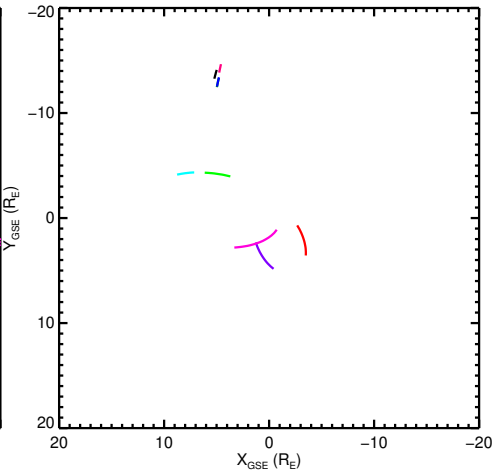


(d) 1405UT to 1540UT
adw han hkw inv rkn

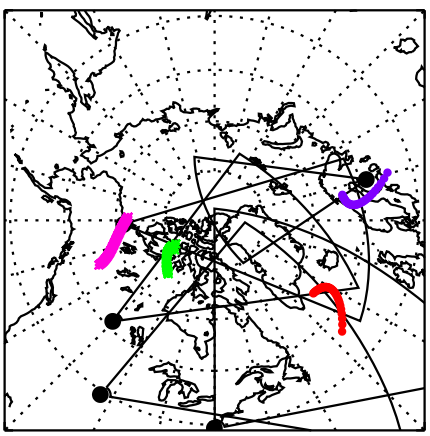


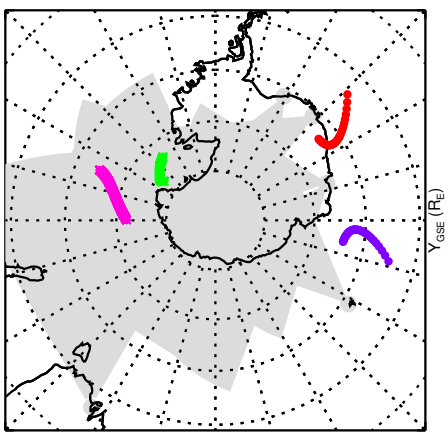
zho

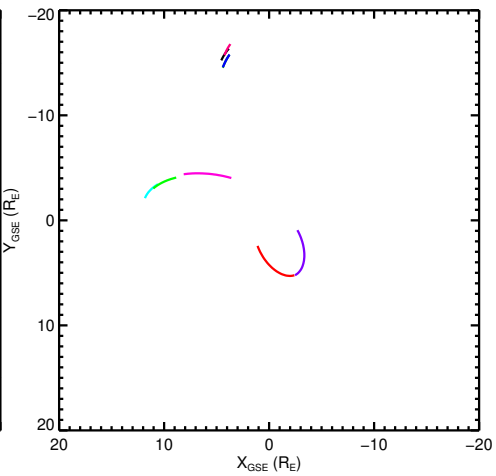




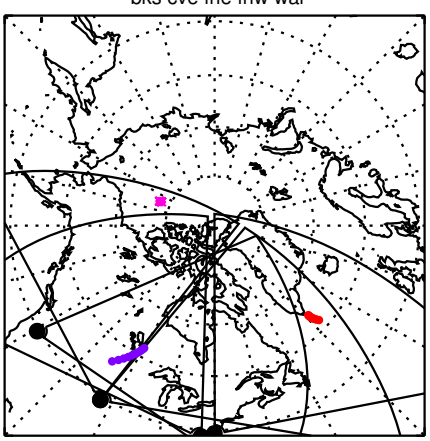
(e) 1745UT to 2100UT
fhe han inv sas wal



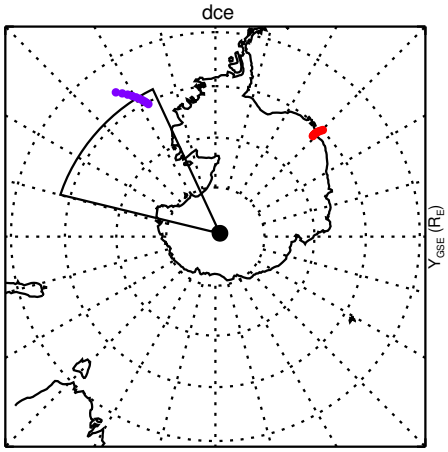


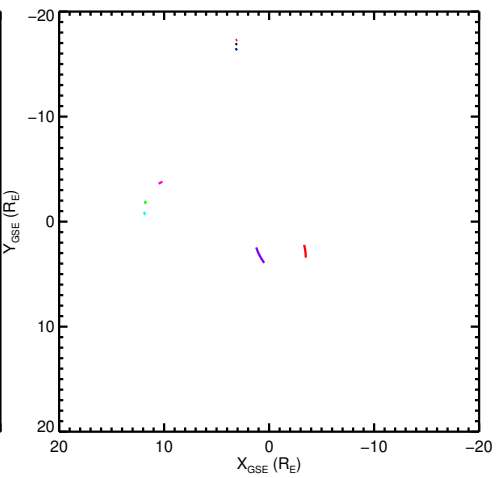


(f) 2310UT to 2355UT
bks cve fhe fhw wal



dce

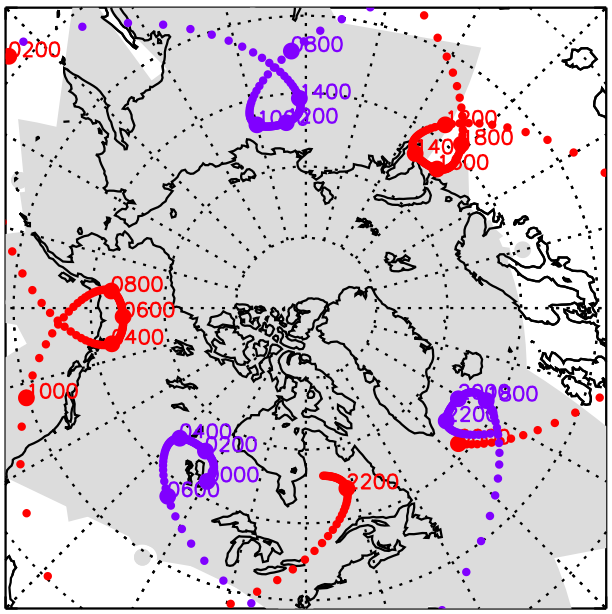


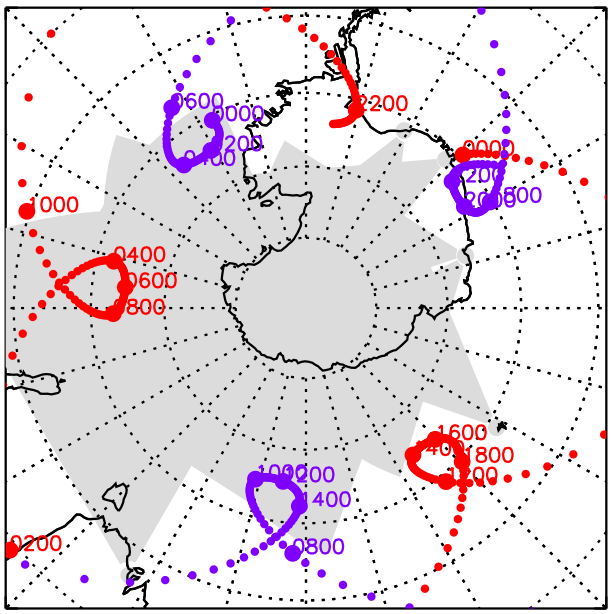


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

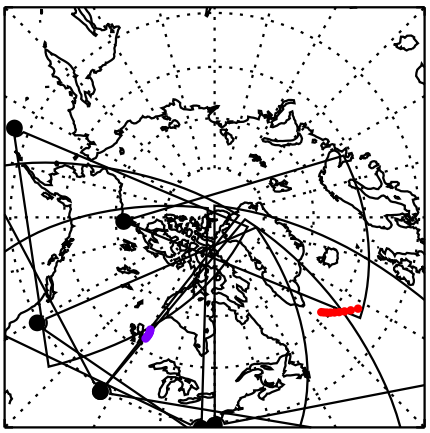
22–May–2015

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

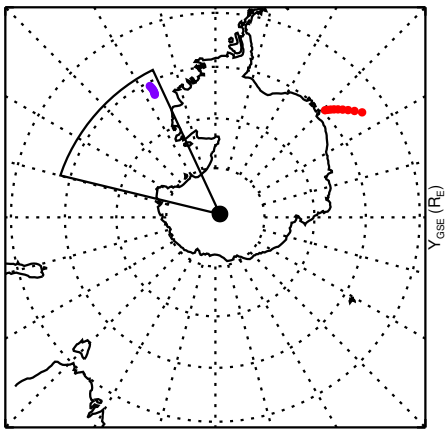


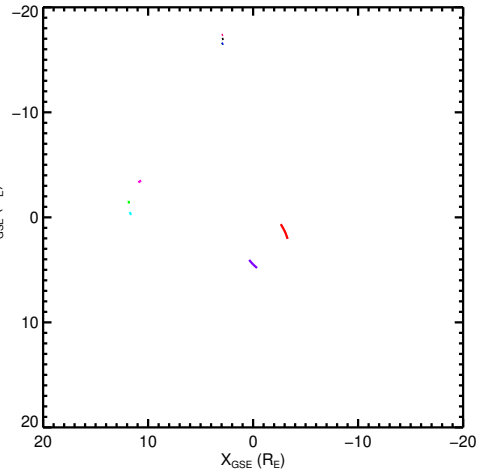


(a) 0000UT to 0040UT
ade bks cve fhe fhw inv wal

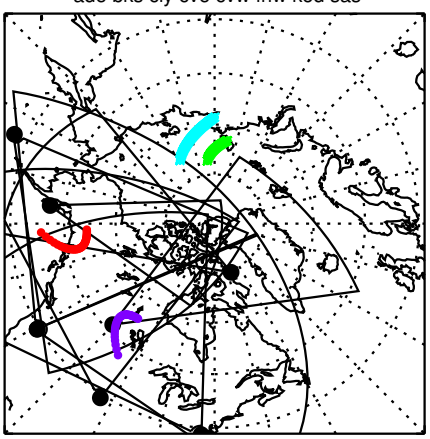


dce

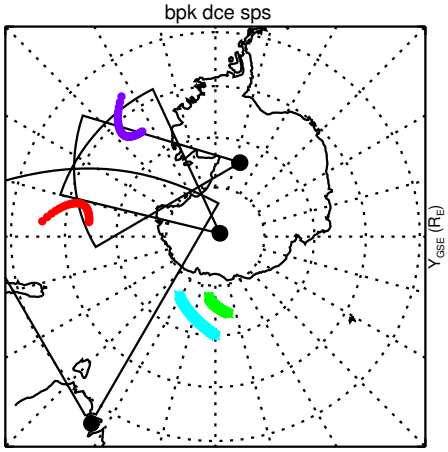


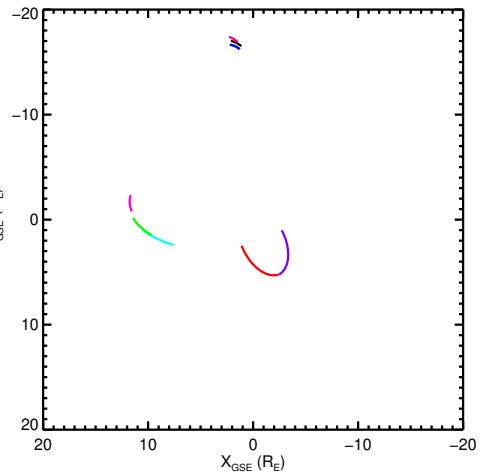


(b) 0245UT to 0600UT
ade bks cly cve cvw fhw kod sas

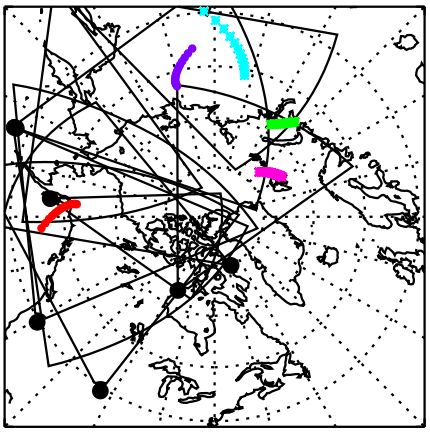


bpk dce sps

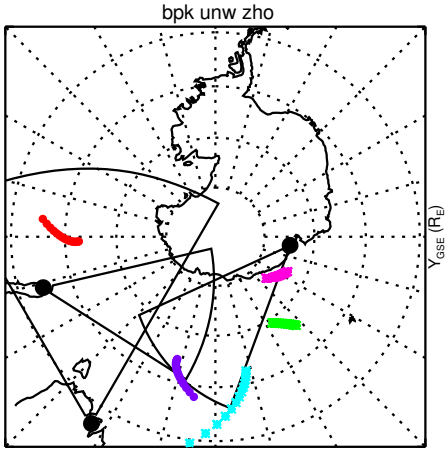


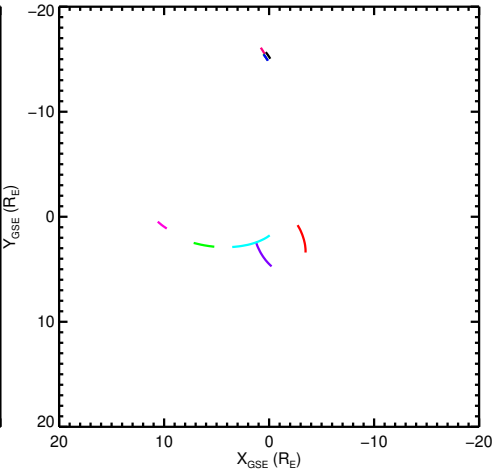


(c) 0810UT to 0935UT
ade adw cly cvw fhw hkw hok kod rkn

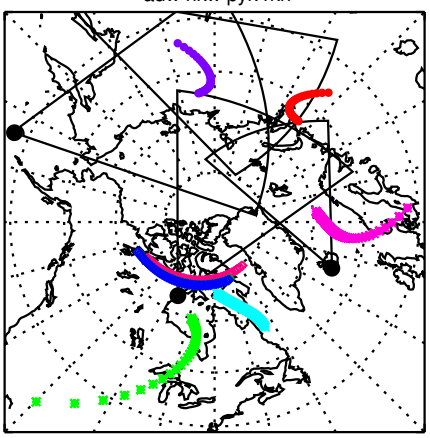


bpk unw zho

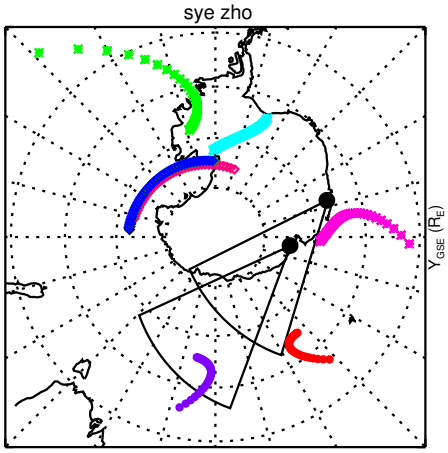


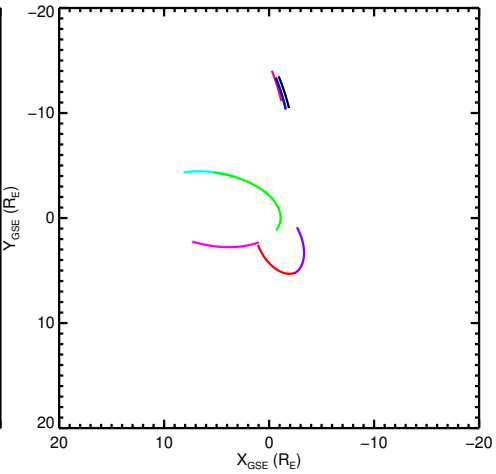


(d) 1145UT to 1505UT
adw hkw pyk rkn

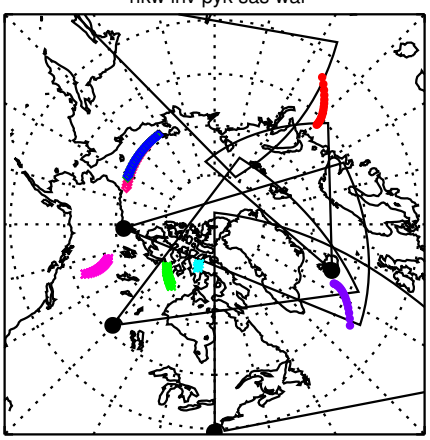


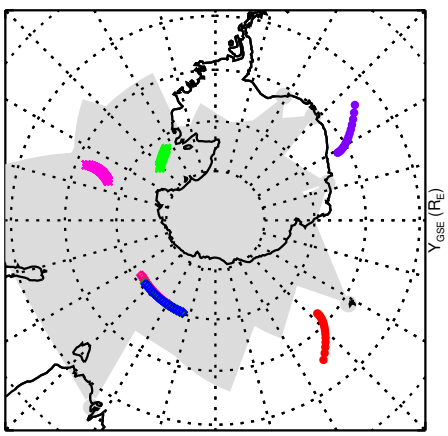
sye zho

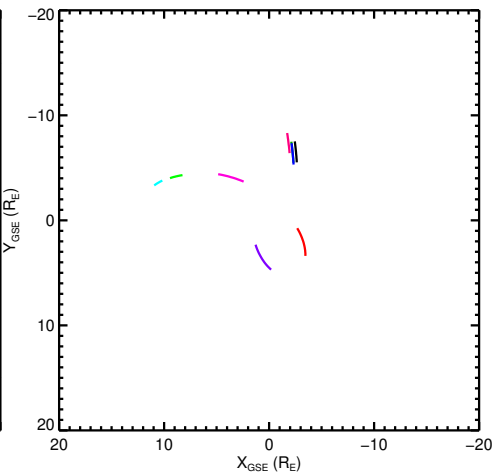




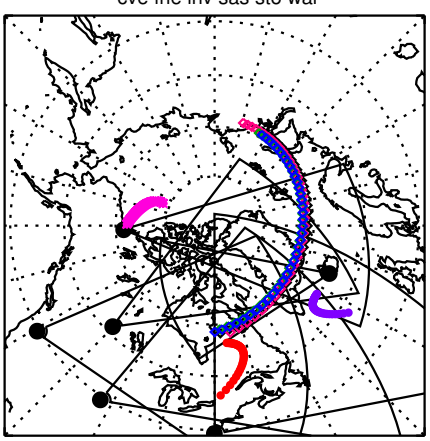
(e) 1710UT to 1835UT
hkw inv pyk sas wal

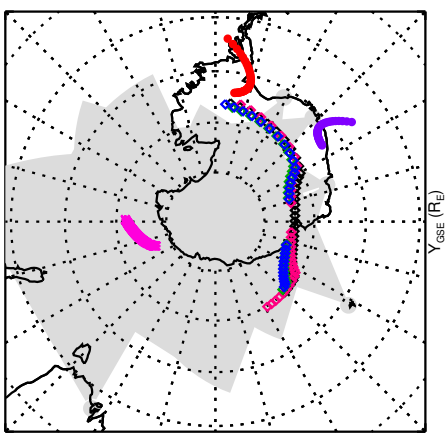


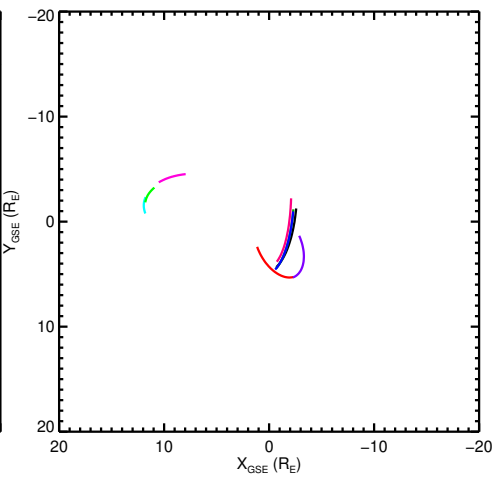




(f) 2040UT to 2355UT
cve fhe inv sas sto wal



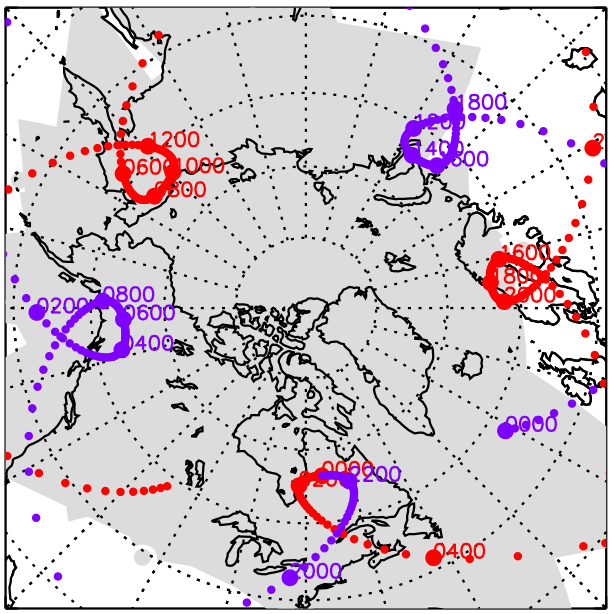


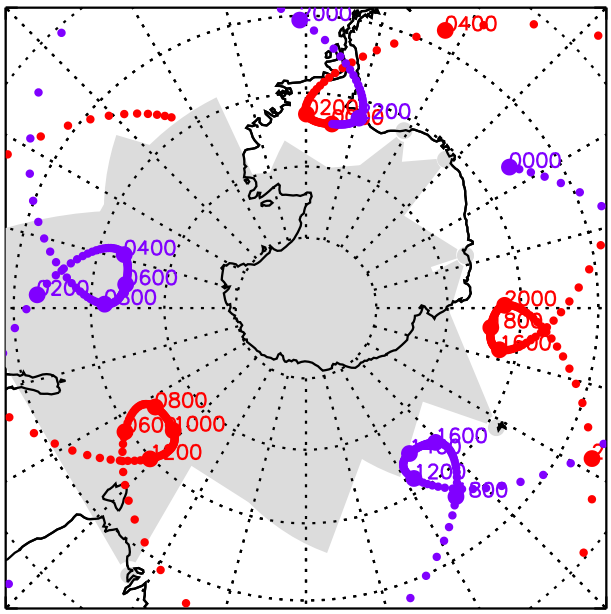


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

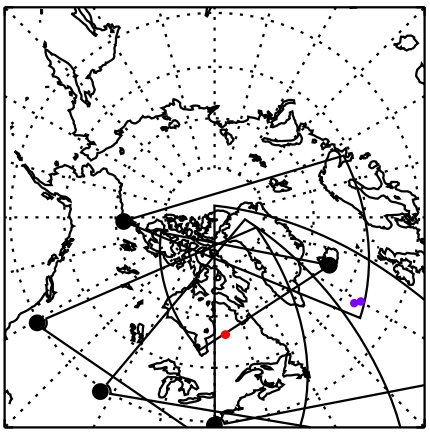
23–May–2015

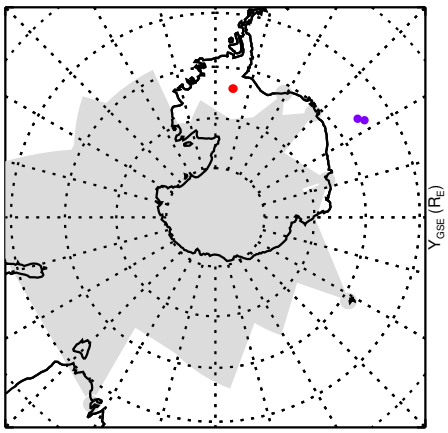
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

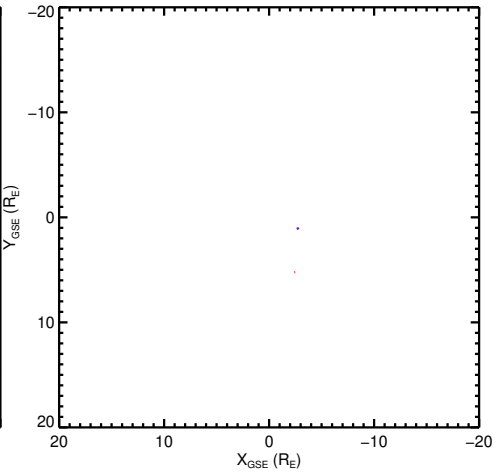




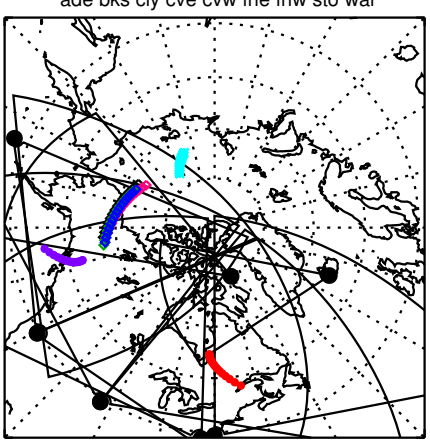
(a) 0000UT to 0005UT
cve fhe inv sto wal



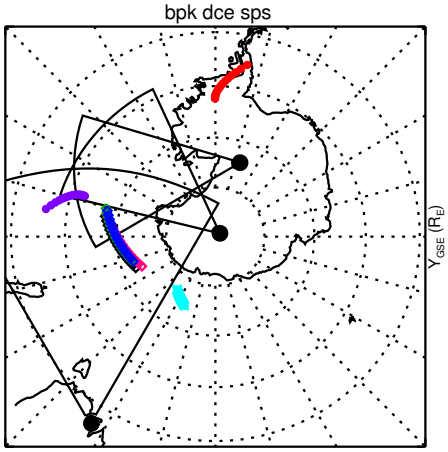


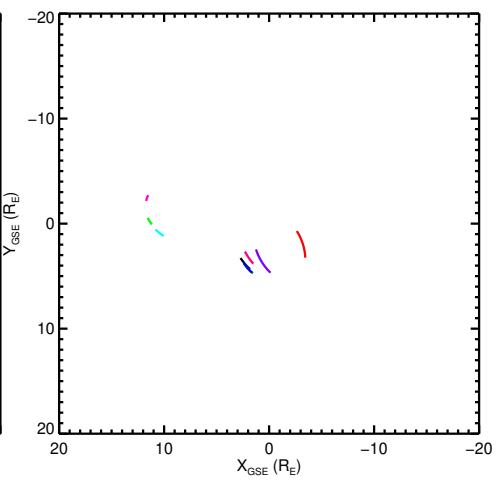


(b) 0215UT to 0335UT
ade bks cly cve cvw fhe fhw sto wal

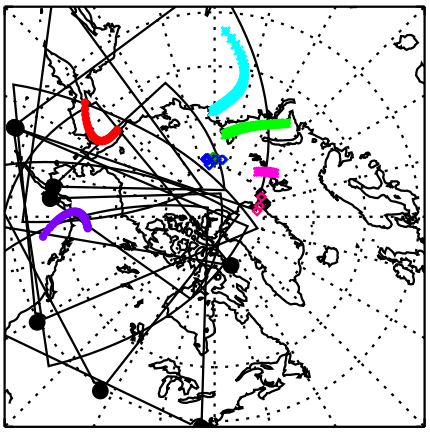


bpk dce sps

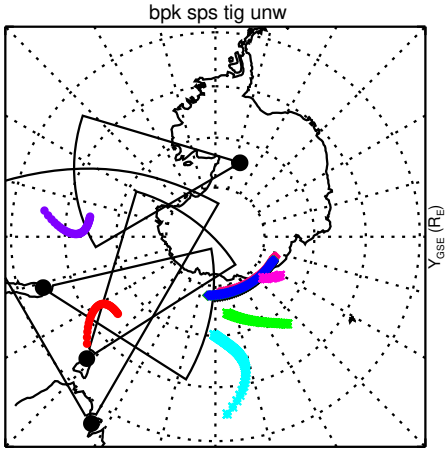


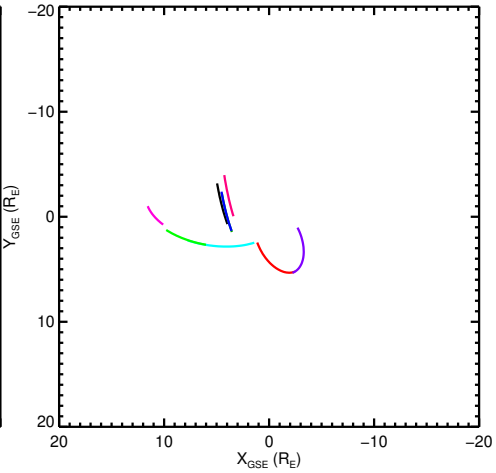


(c) 0540UT to 0905UT
ade adw bks cly cvw fhw hok kod ksr

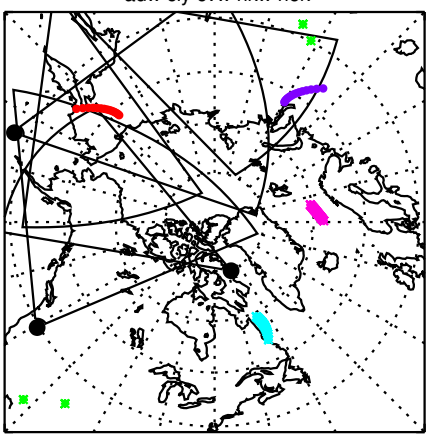


bpk sps tig unw

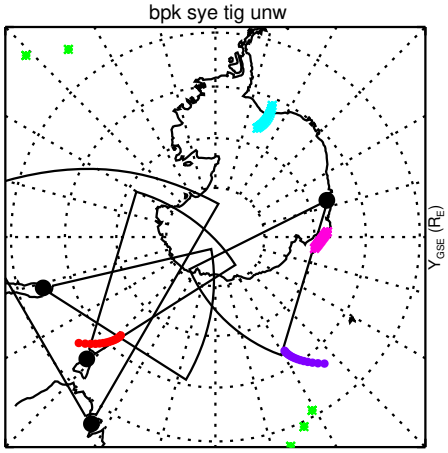


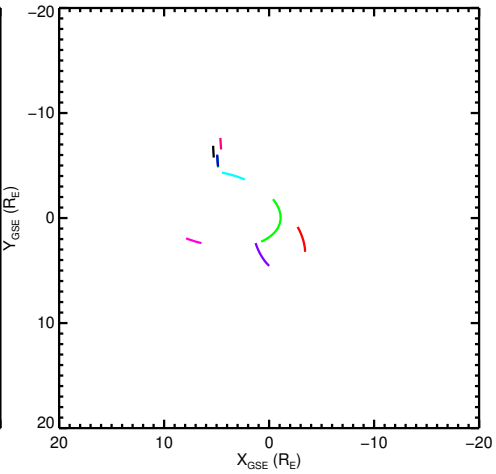


(d) 1115UT to 1230UT
adw cly cvw hkw hok

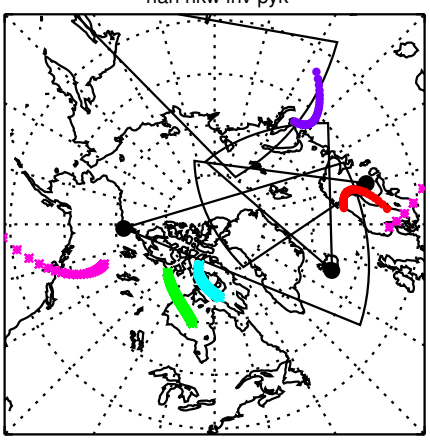


bpk sye tig unw

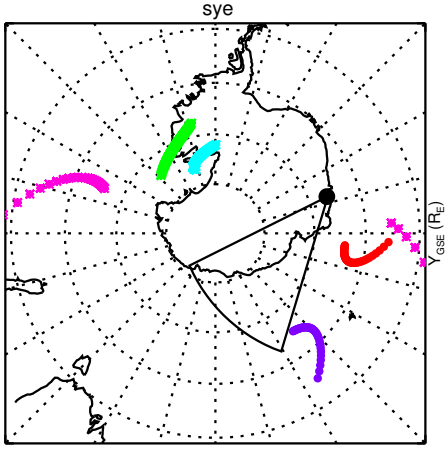


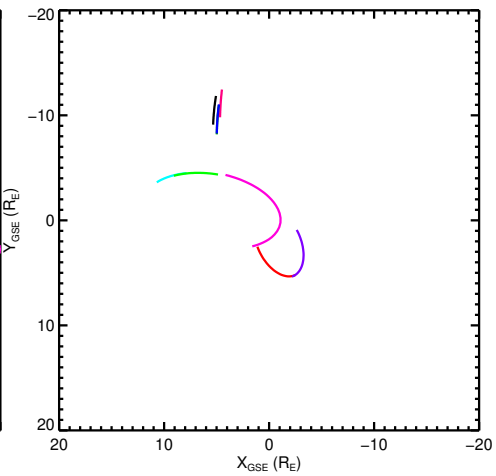


(e) 1440UT to 1810UT
han hkw inv pyk

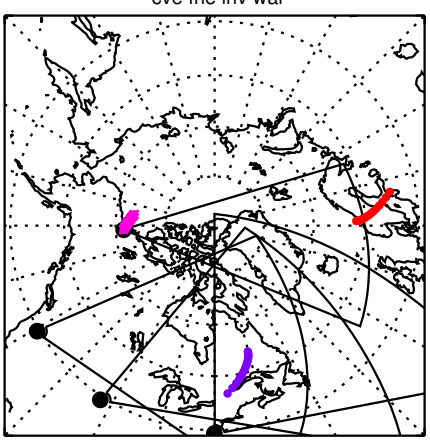


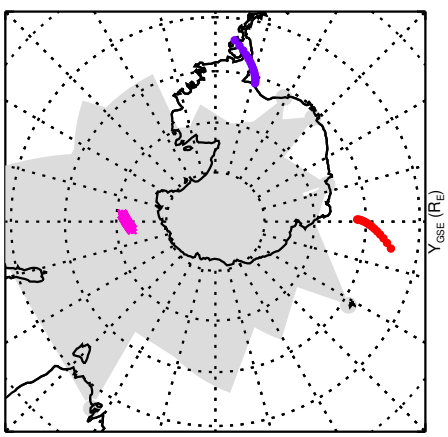
sye

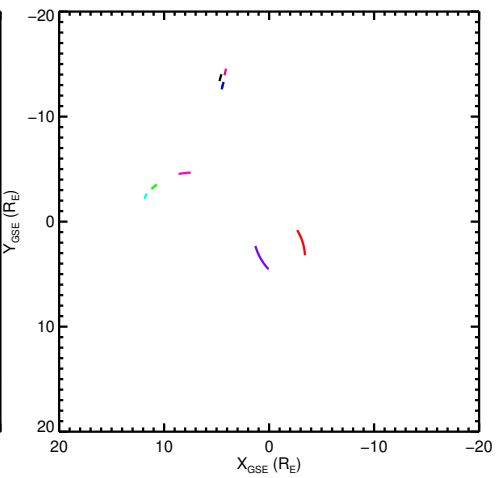




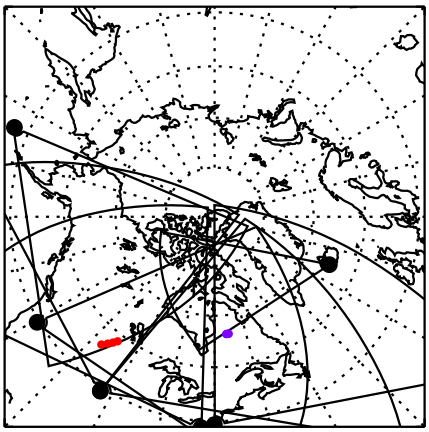
(f) 2015UT to 2130UT
cve fhe inv wal

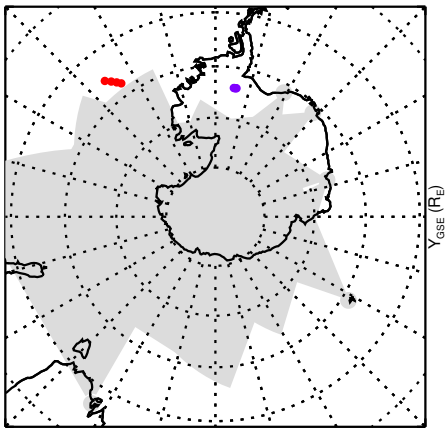


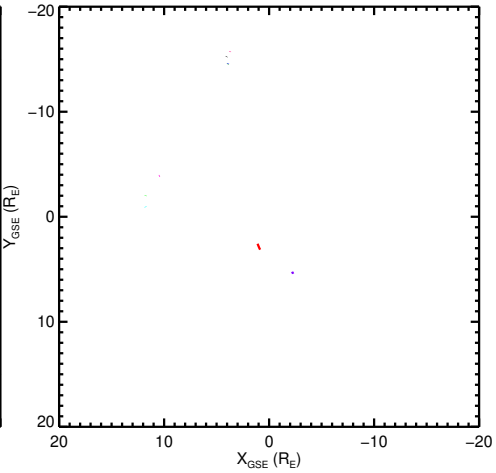




(g) 2340UT to 2355UT
ade bks cve fhe fhw sto wal



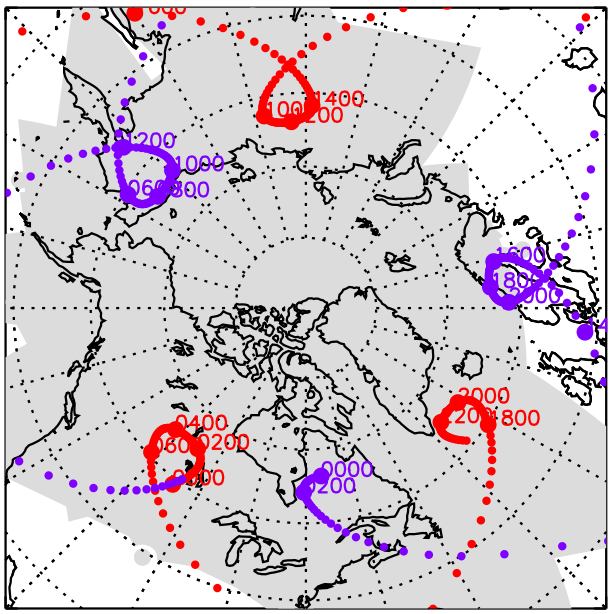


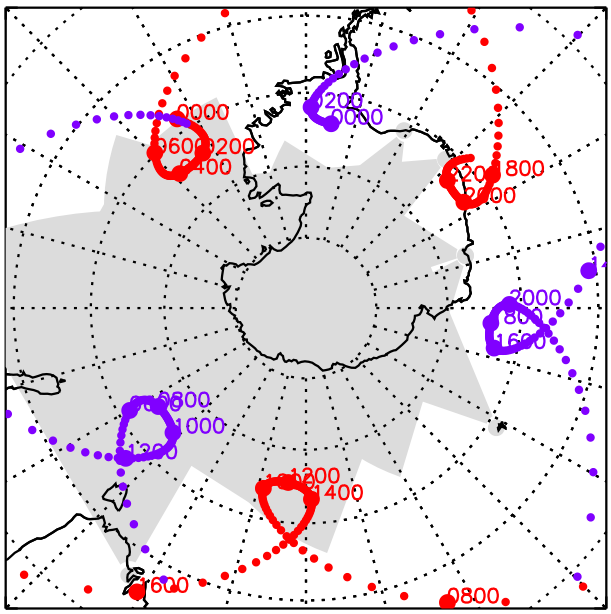


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

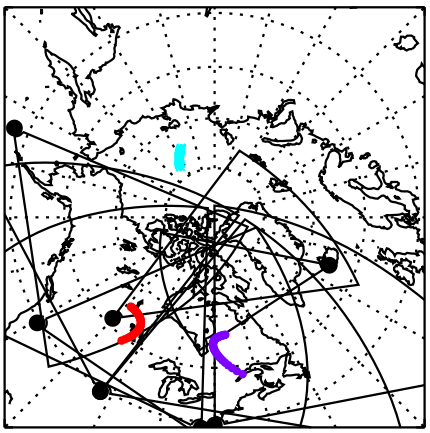
24–May–2015

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

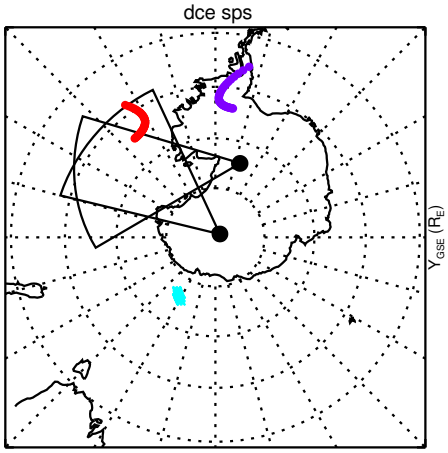


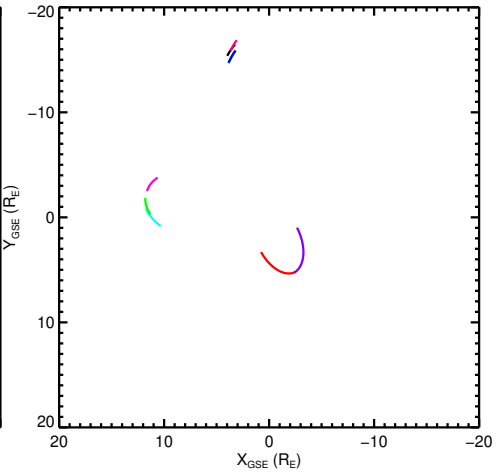


(a) 0000UT to 0310UT
ade bks cve fhe fhw sas sto wal

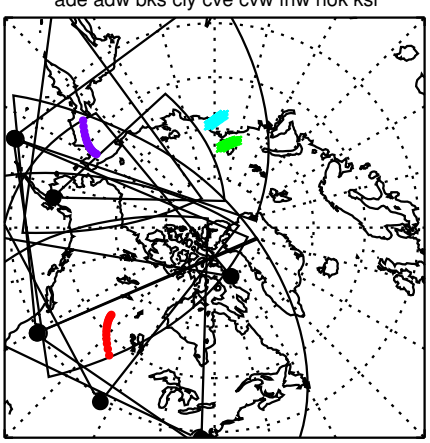


dce sps

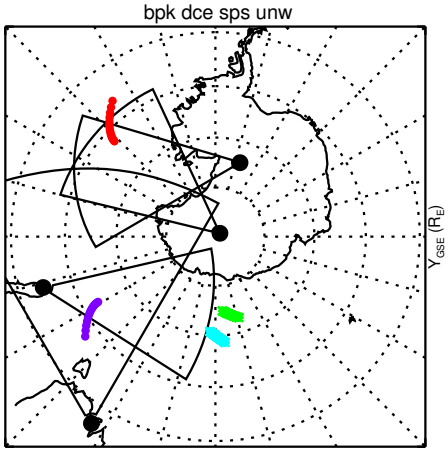


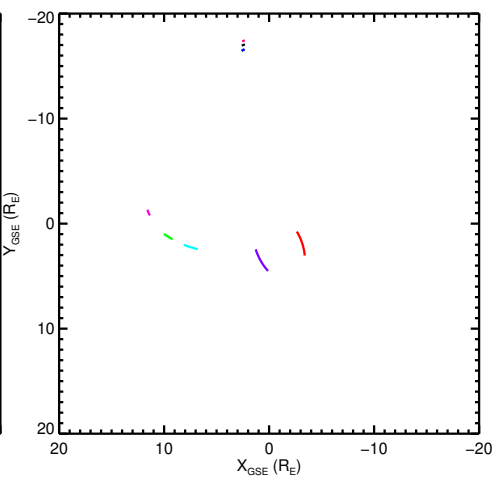


(b) 0520UT to 0630UT
ade adw bks cly cve cvw fhw hok ksr

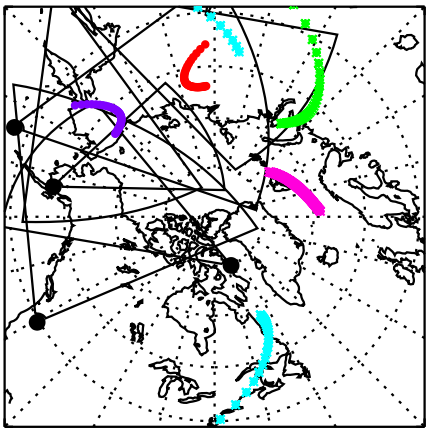


bpk dce sps unw

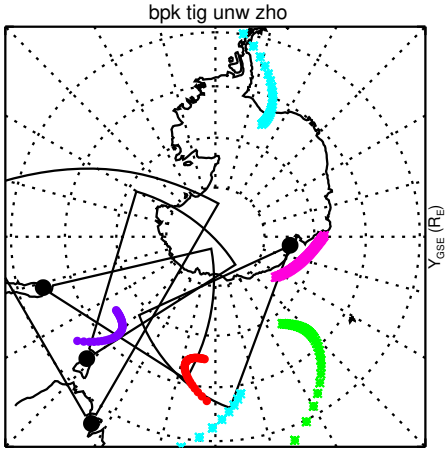


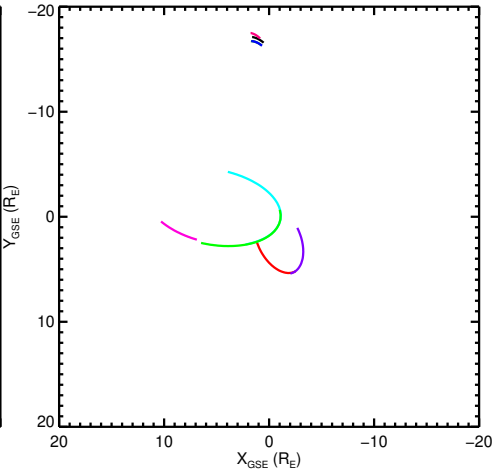


(c) 0835UT to 1210UT
adw cly cvw hkw hok ksr

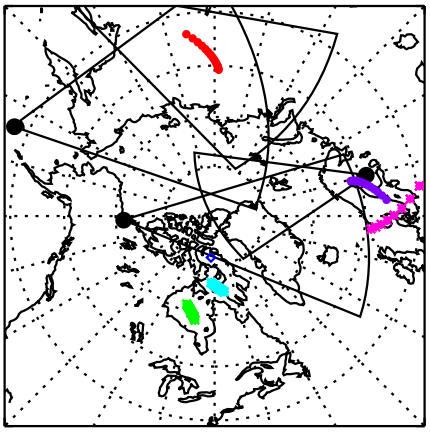


bpk tig unw zho

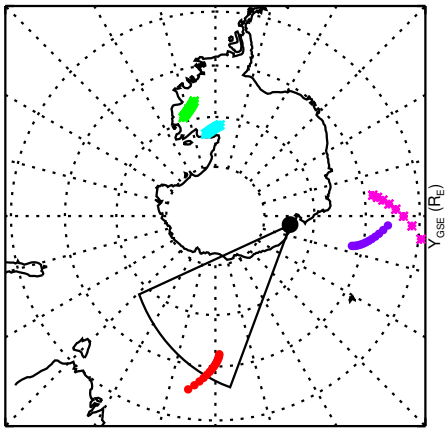


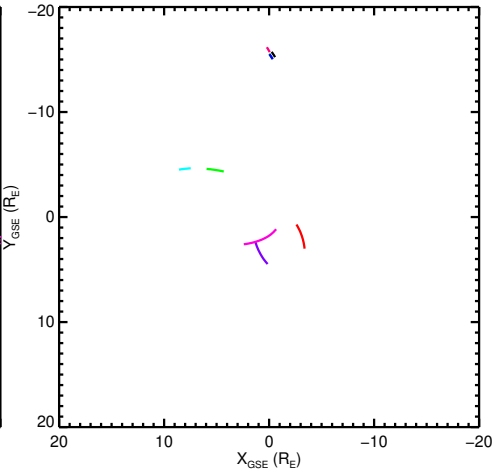


(d) 1420UT to 1530UT
adw han hkw inv

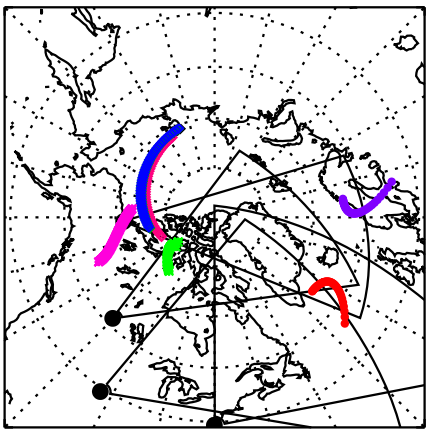


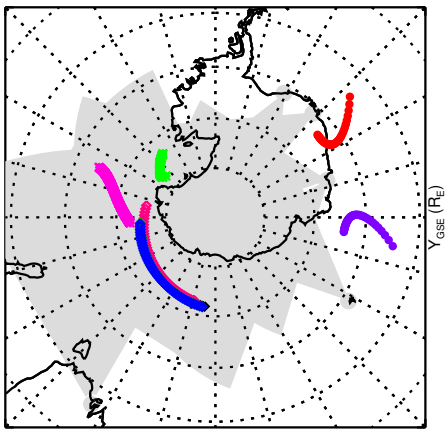
zho

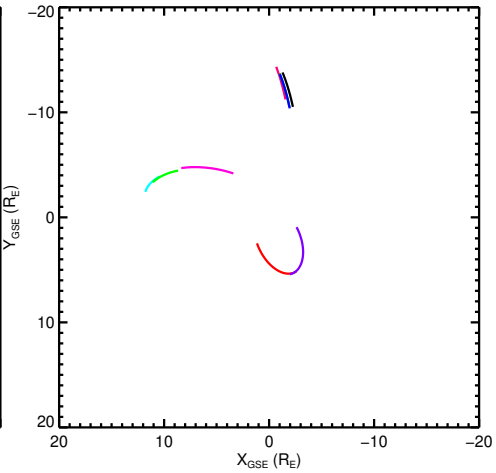




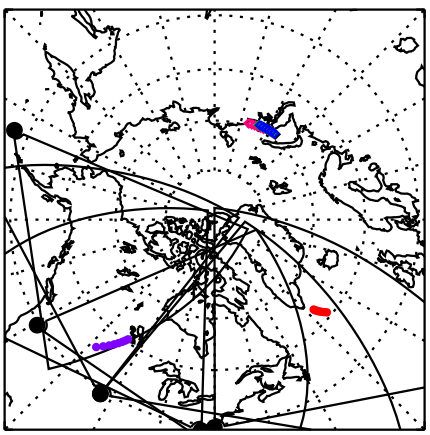
(e) 1735UT to 2115UT
fhe inv sas wal



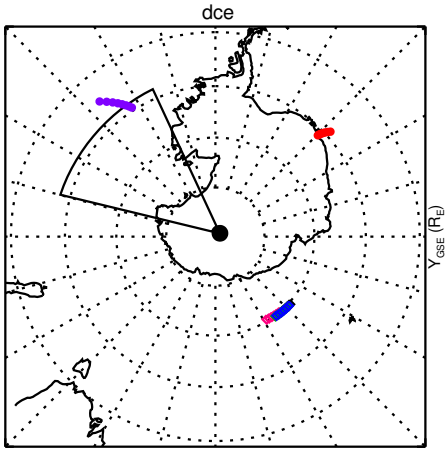


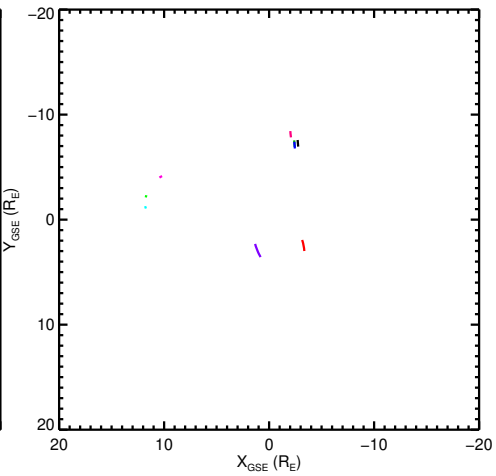


(f) 2320UT to 2355UT
ade bks cve fhe fhw wal



dce

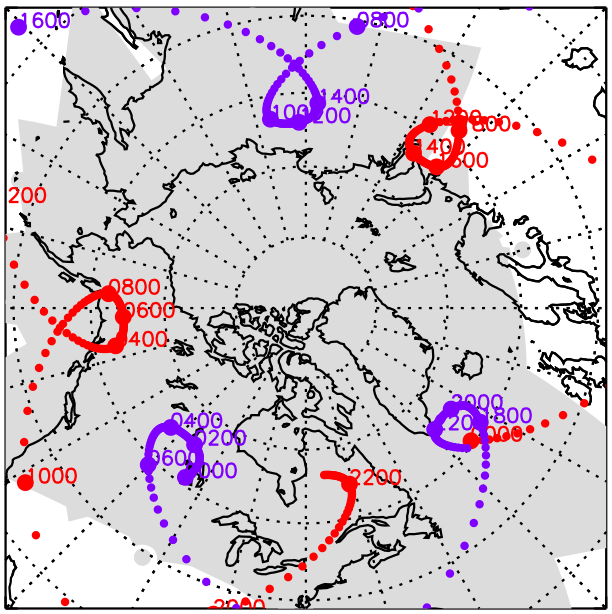


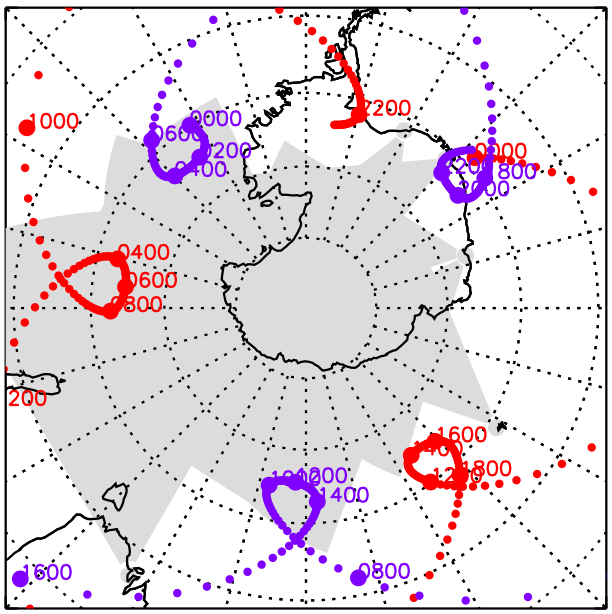


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

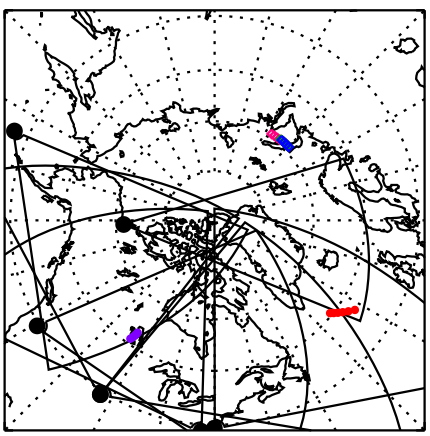
25–May–2015

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

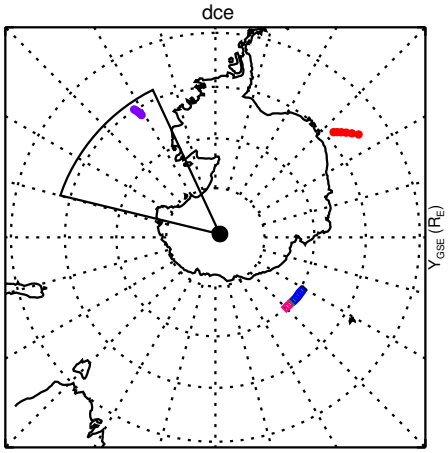


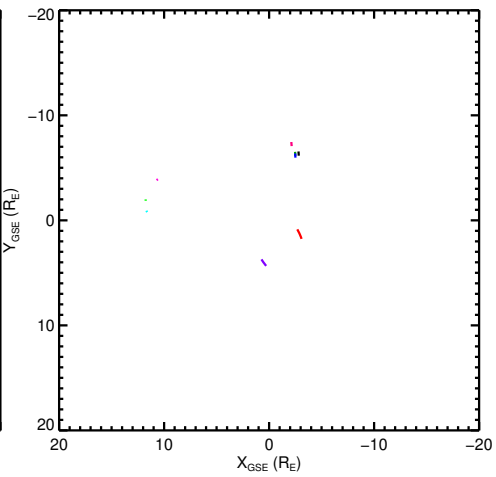


(a) 0000UT to 0025UT
ade bks cve fhe fhw inv wal

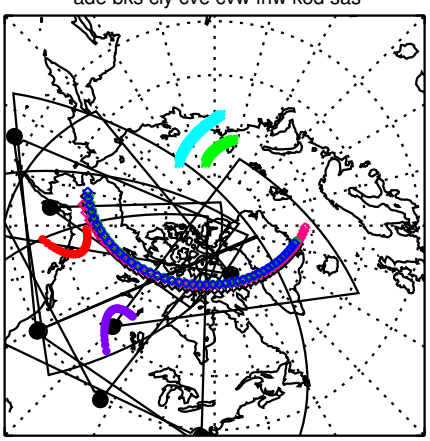


dce

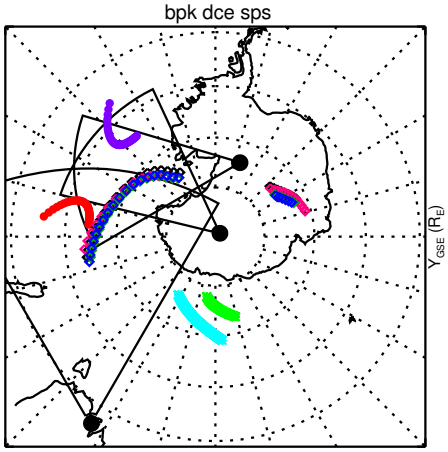


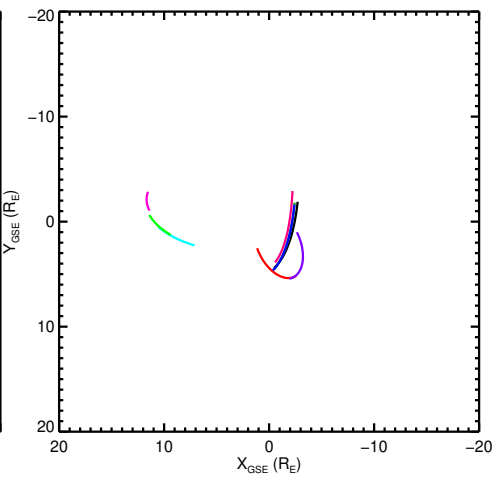


(b) 0235UT to 0615UT
ade bks cly cve cvw fhw kod sas

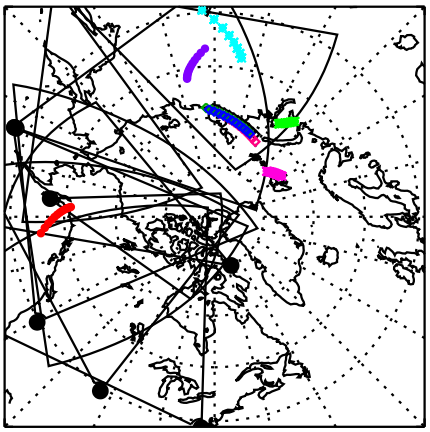


bpk dce sps

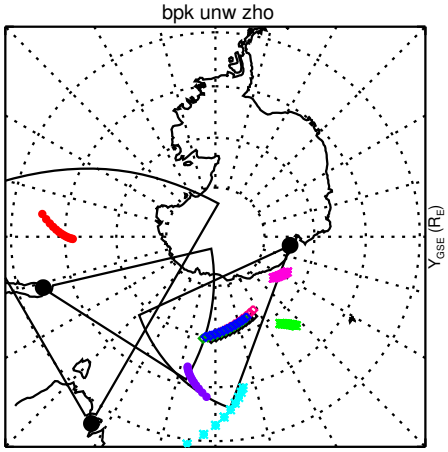


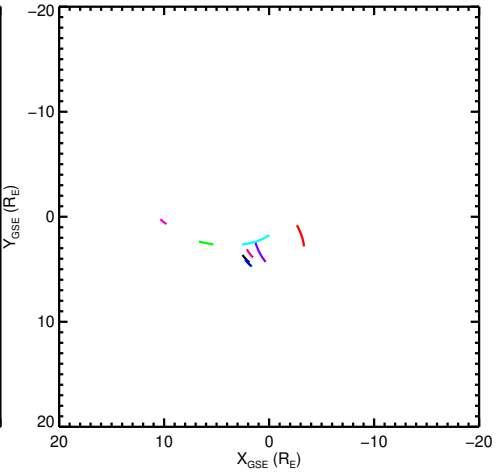


(c) 0825UT to 0925UT
ade adw bks cly cvw fhw hkw hok kod

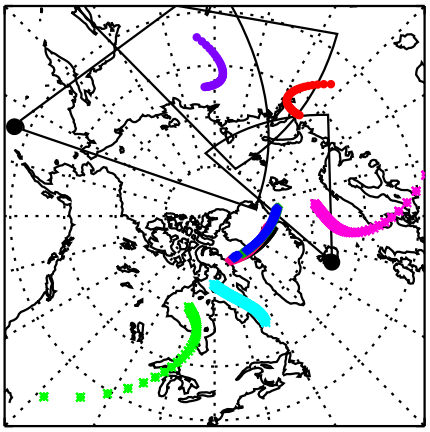


bpk unw zho

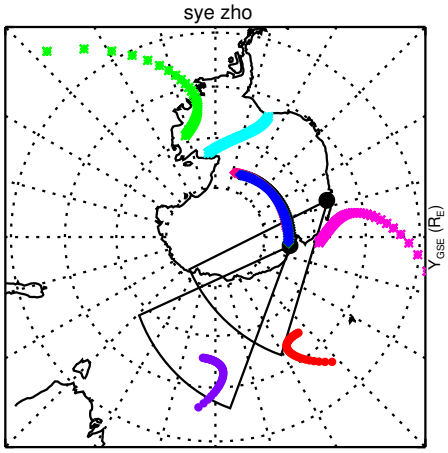


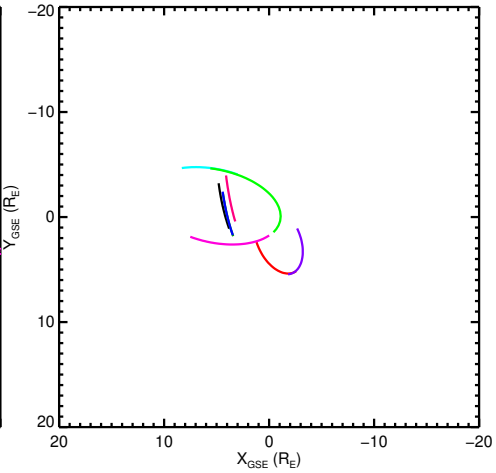


(d) 1130UT to 1515UT
adw hkw pyk

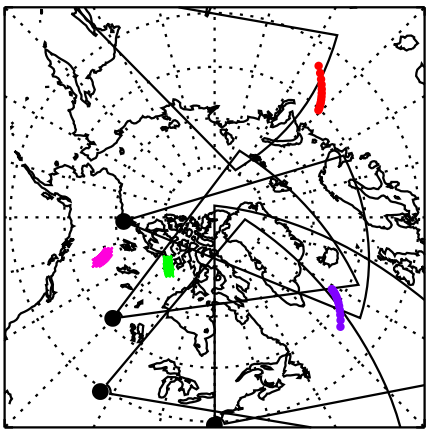


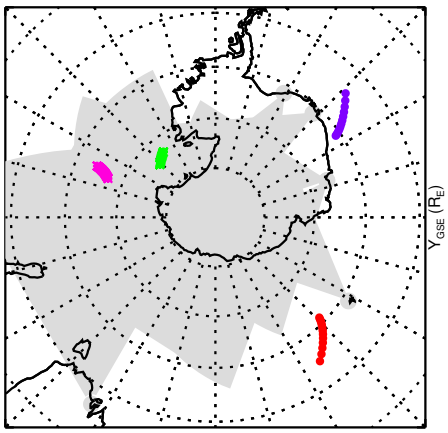
sye zho

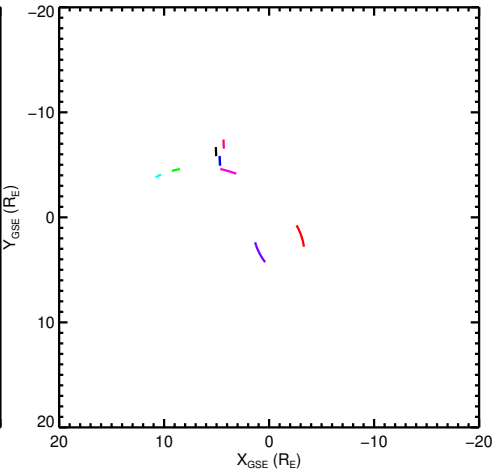




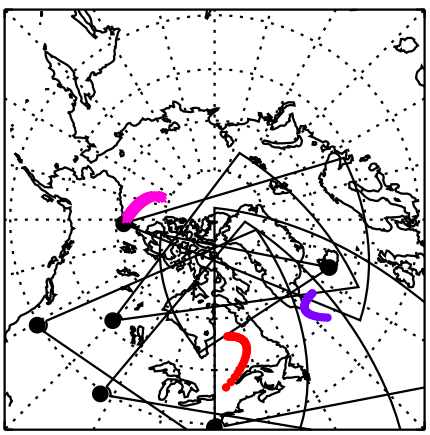
(e) 1725UT to 1825UT
fhe hkw inv sas wal



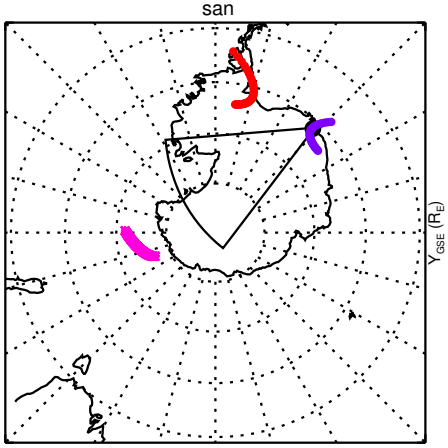


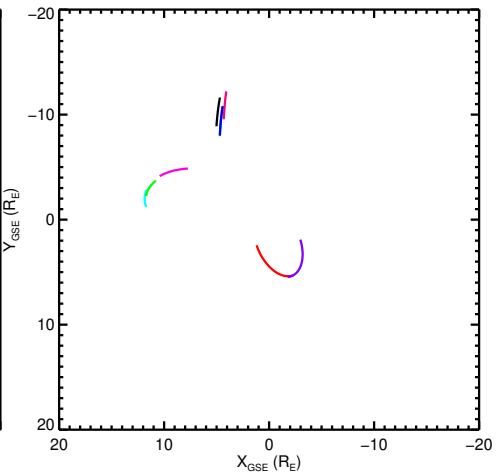


(f) 2030UT to 2355UT
cve fhe inv sas sto wal



san

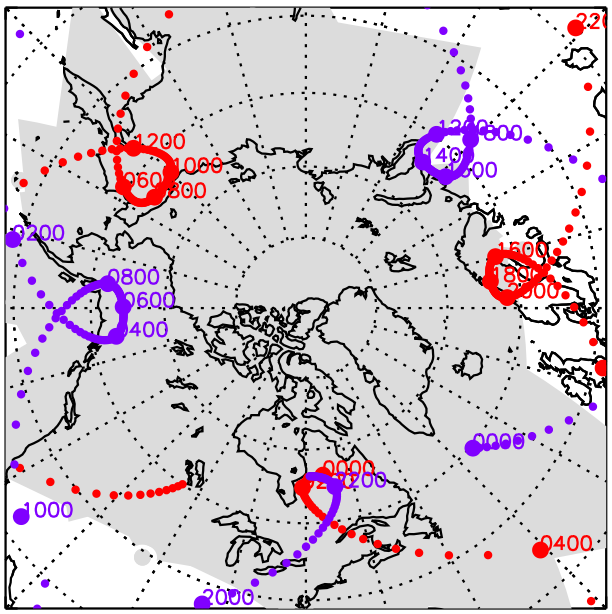


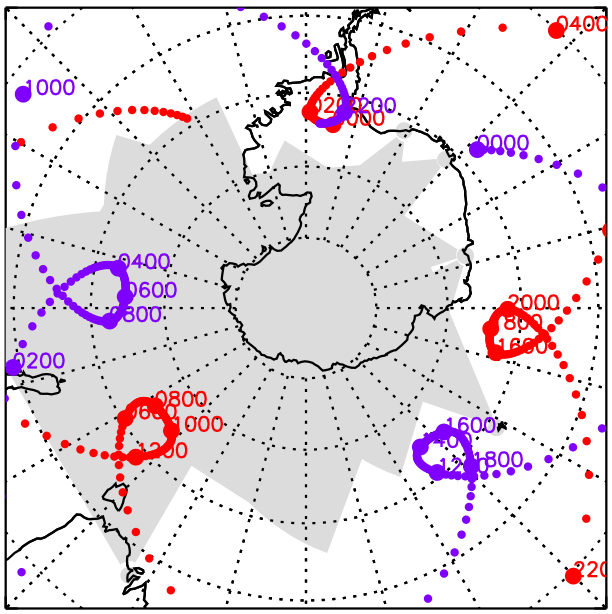


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

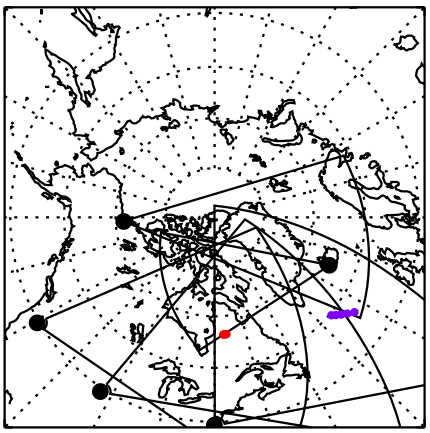
26–May–2015

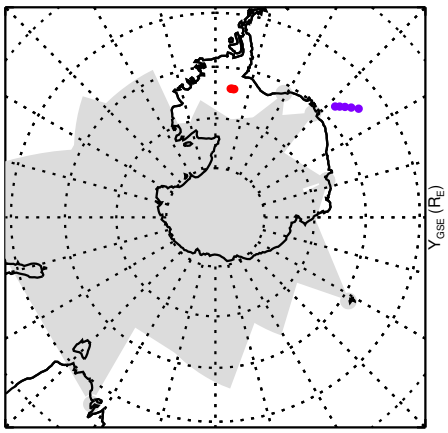
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

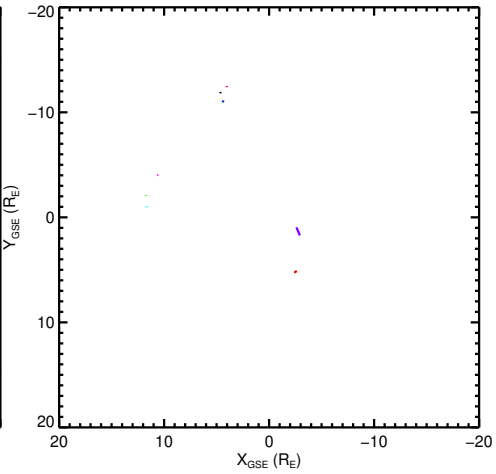




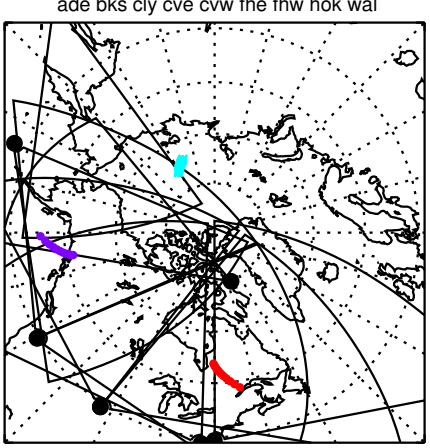
(a) 0000UT to 0020UT
cve fhe inv sto wal



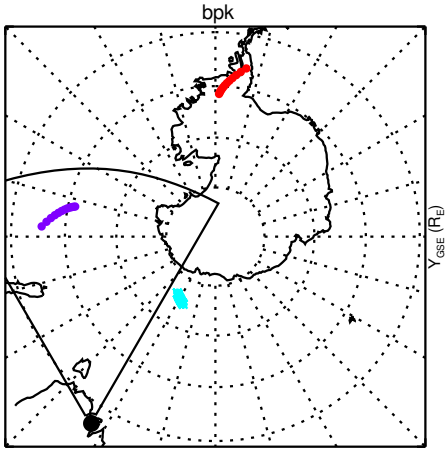


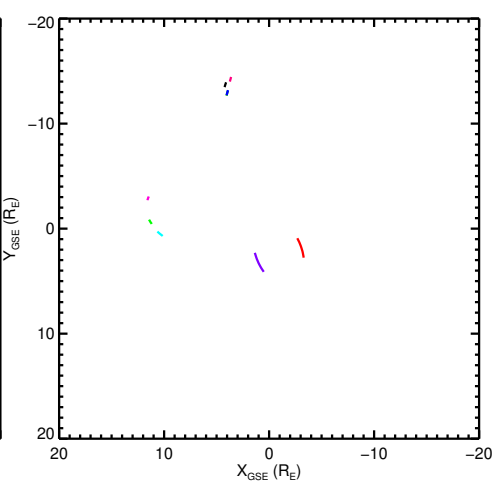


(b) 0225UT to 0320UT
ade bks cly cve cvw fhe fhw hok wal



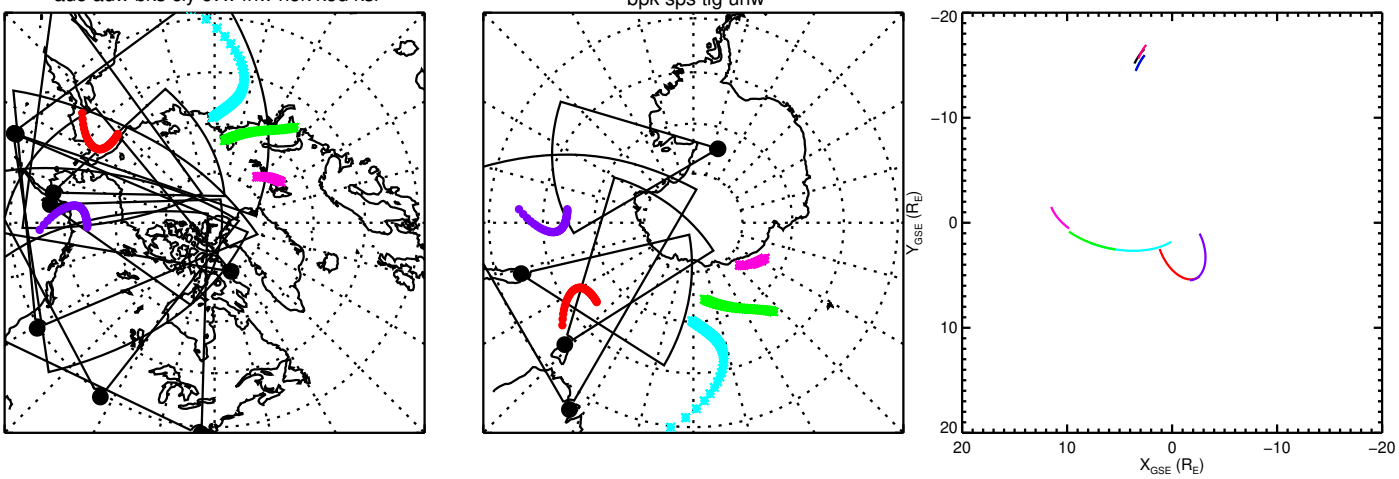
bpk





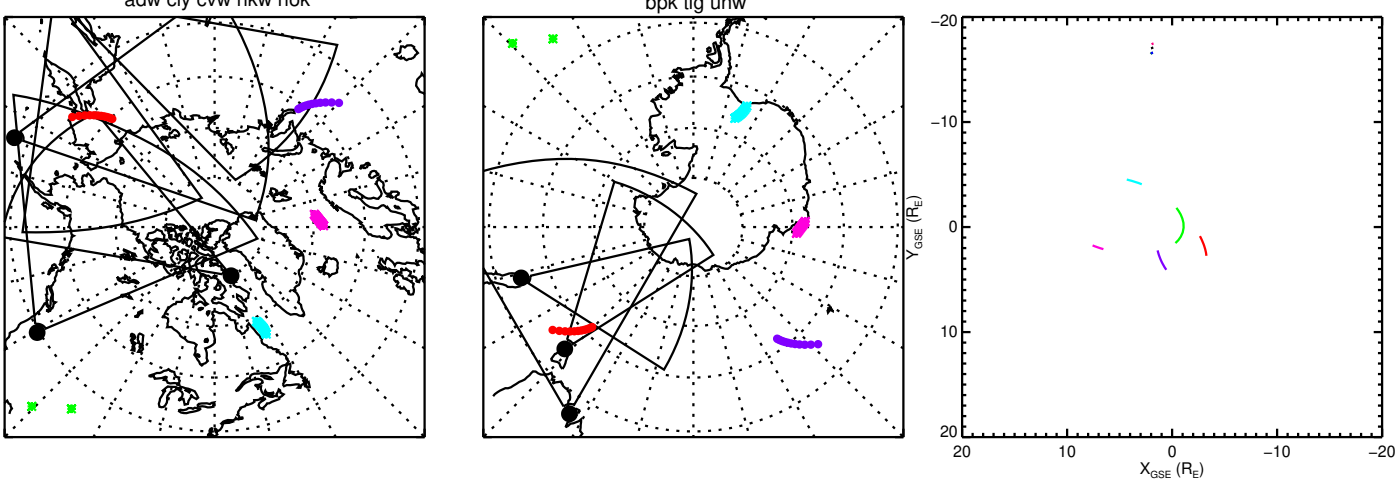
(c) 0530UT to 0920UT
ade adw bks cly cvw fhw hok kod ksr

bpk sps tig unw

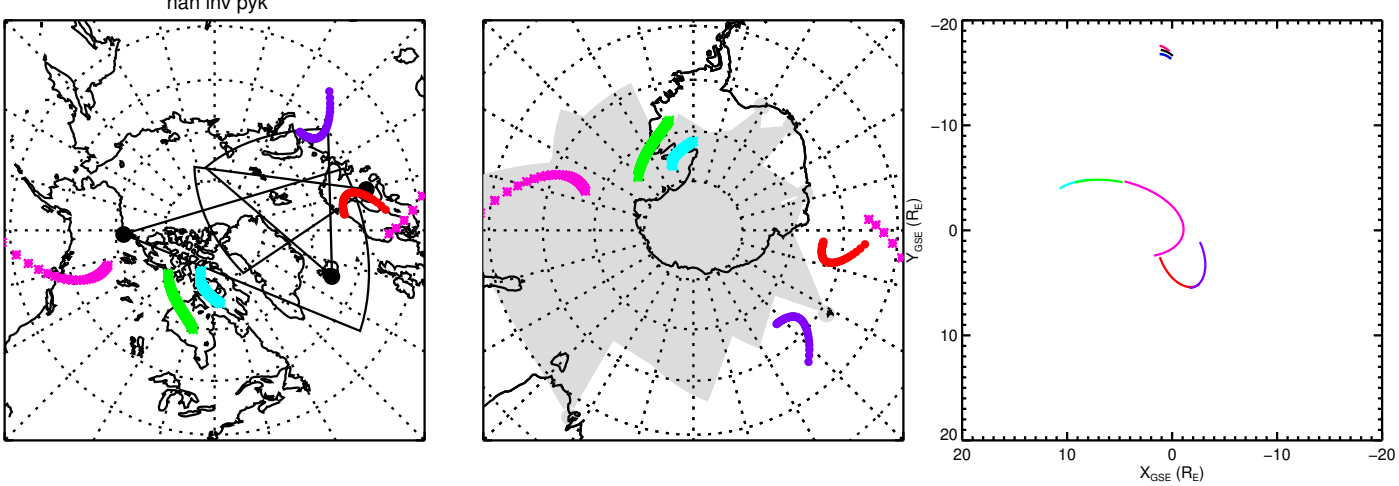


(d) 1125UT to 1220UT
adw cly cvw hkw hok

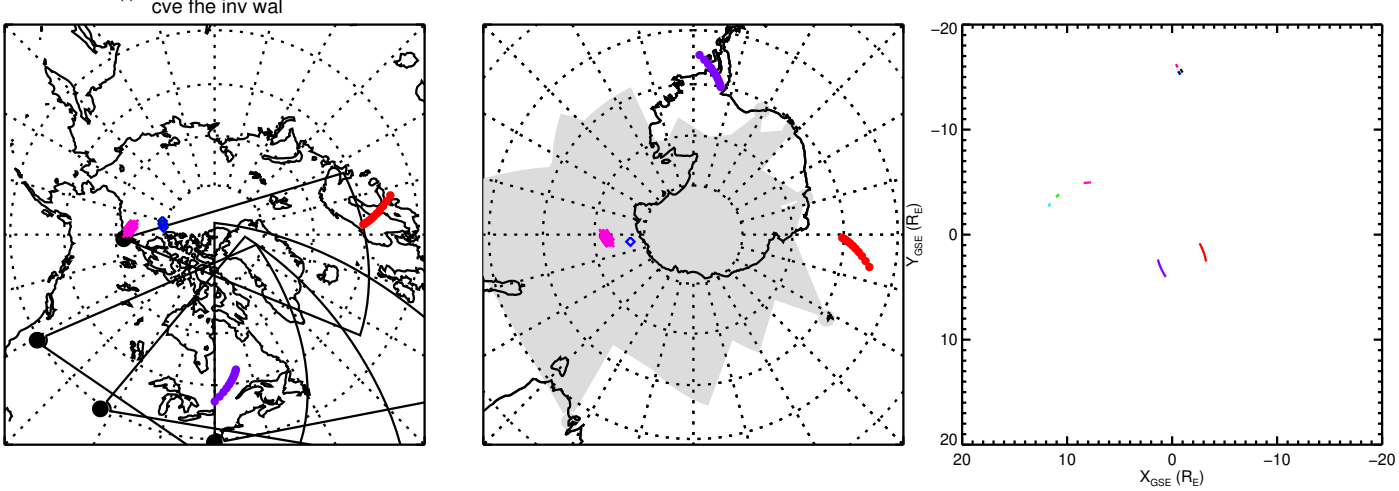
bpk tig unw



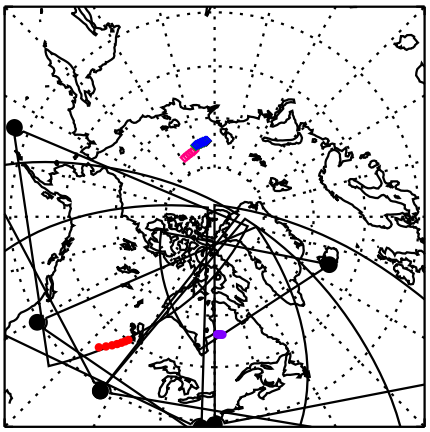
(e) 1430UT to 1820UT
han inv pyk



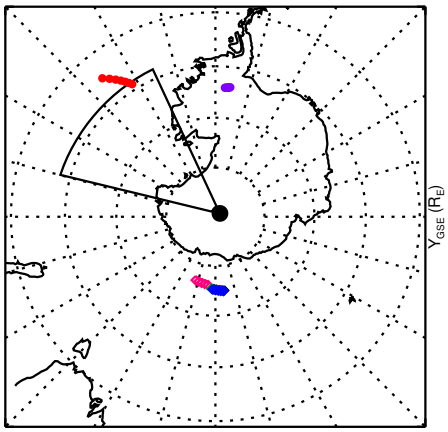
(f) 2030UT to 2120UT
cve fhe inv wal

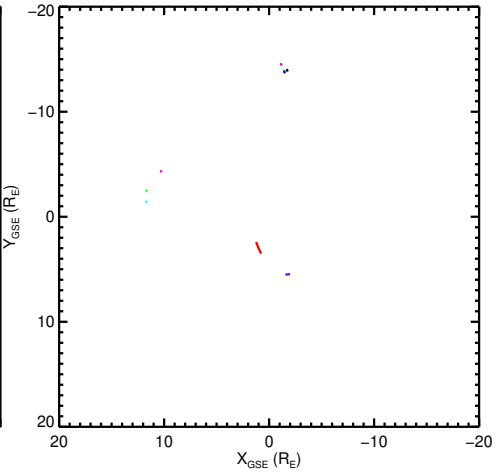


(g) 2325UT to 2355UT
ade bks cve fhe fhw sto wal



dce

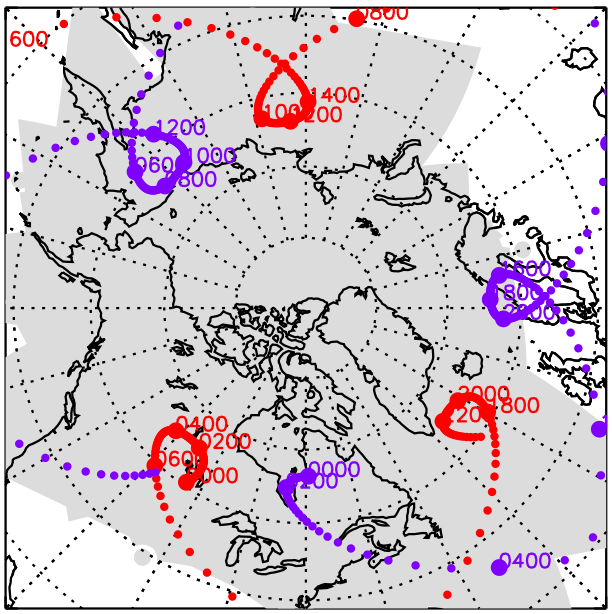


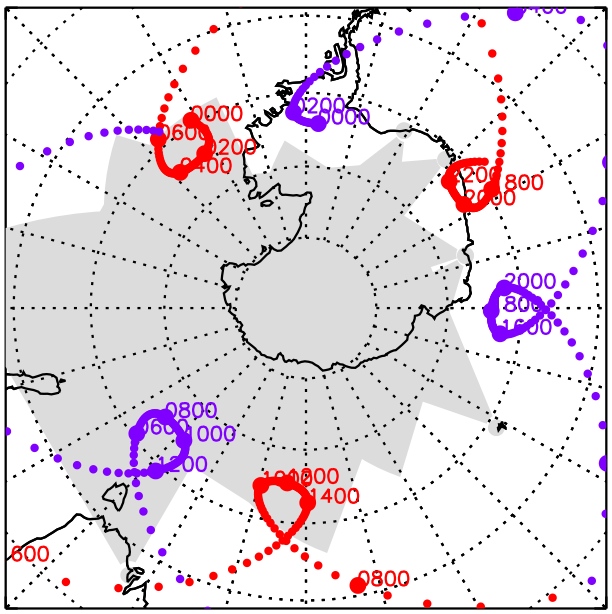


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

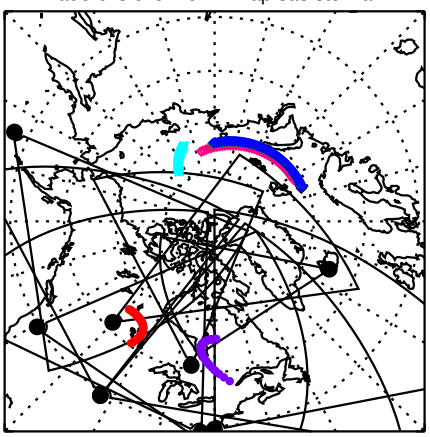
27−May−2015

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

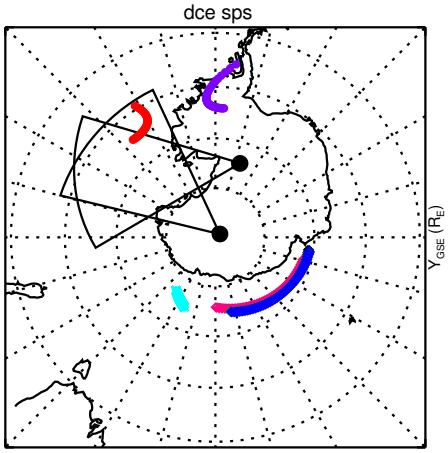


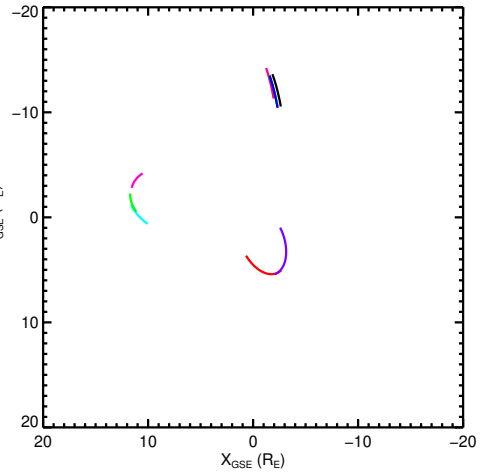


(a) 0000UT to 0325UT
ade bks cve fhe fhw kap sas sto wal

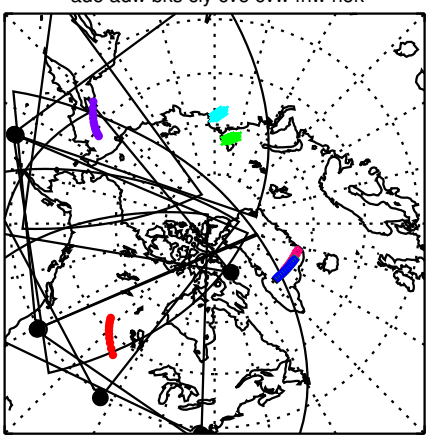


dce sps

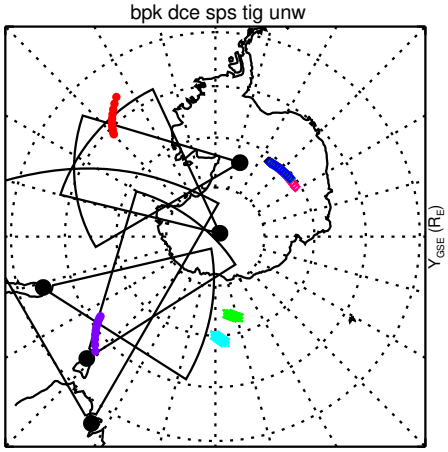


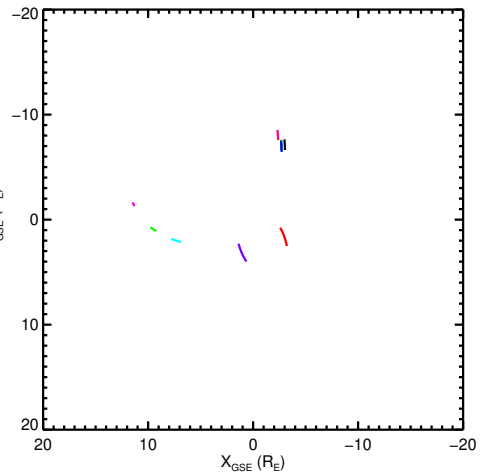


(b) 0530UT to 0620UT
ade adw bks cly cve cvw fhw hok

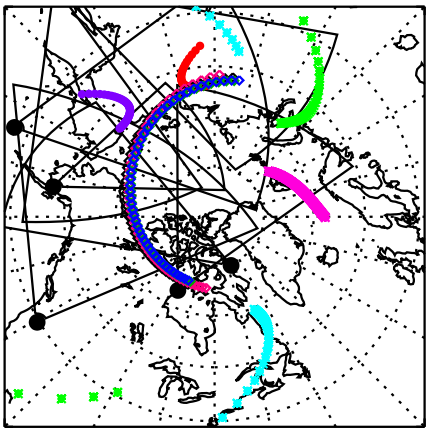


bpk dce sps tig unw

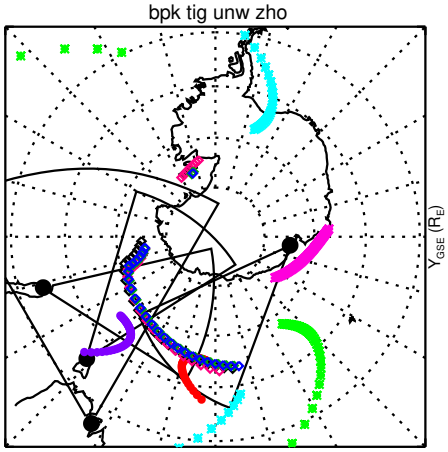


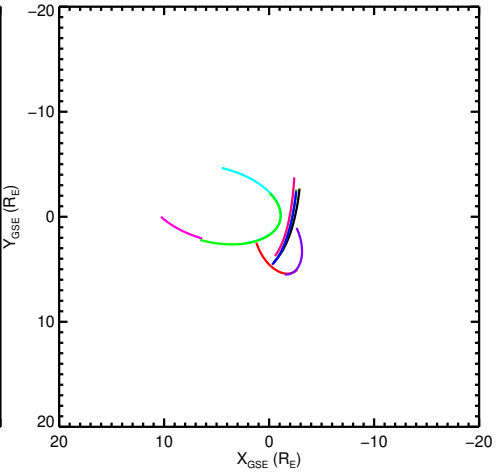


(c) 0825UT to 1225UT
adw cly cvw hkw hok ksr rkn

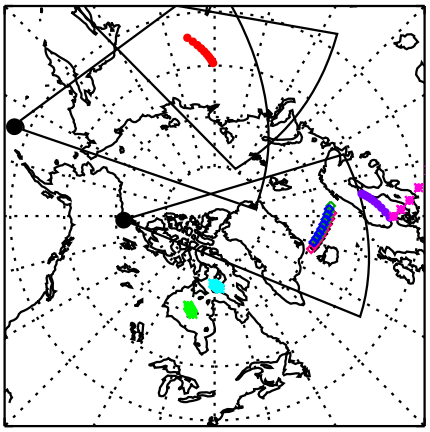


bpk tig unw zho

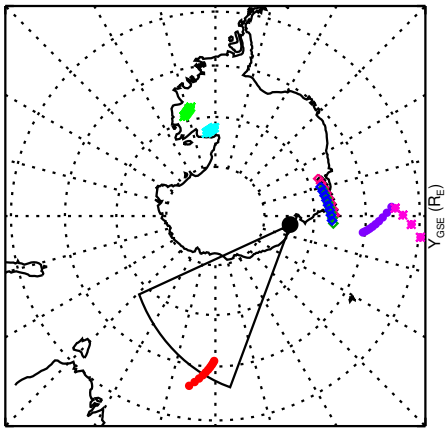


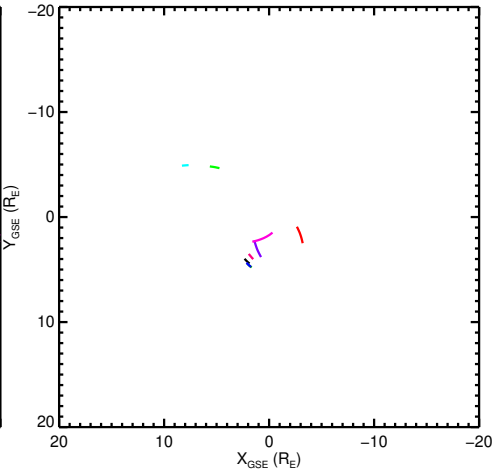


(d) 1430UT to 1515UT
adw hkw inv

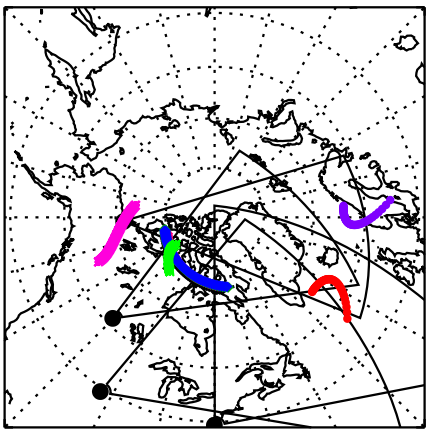


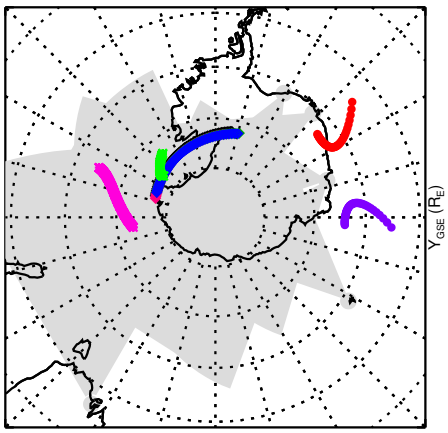
zho

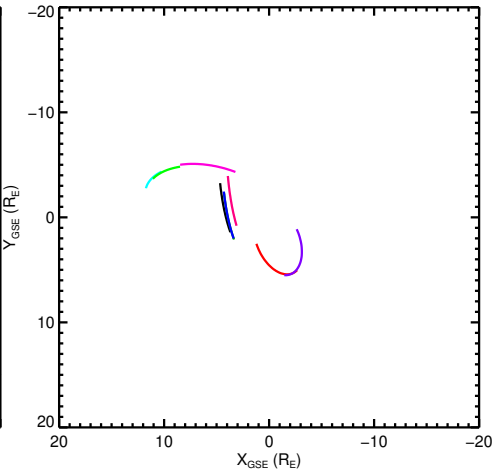




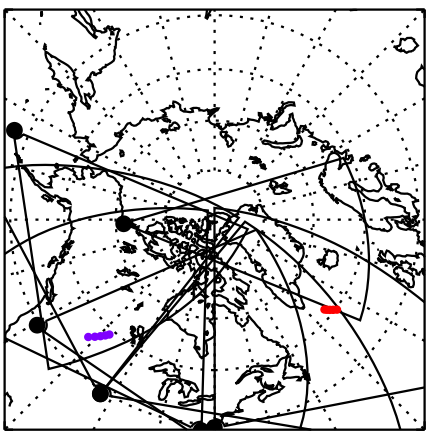
(e) 1725UT to 2125UT
fhe inv sas wal

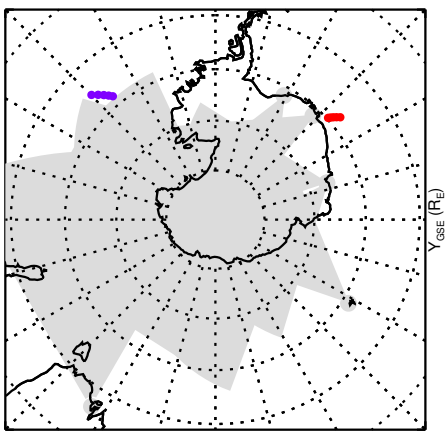


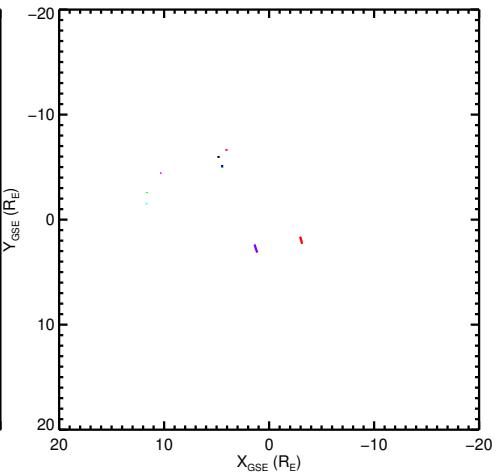




(f) 2335UT to 2355UT
ade bks cve fhe fhw inv wal



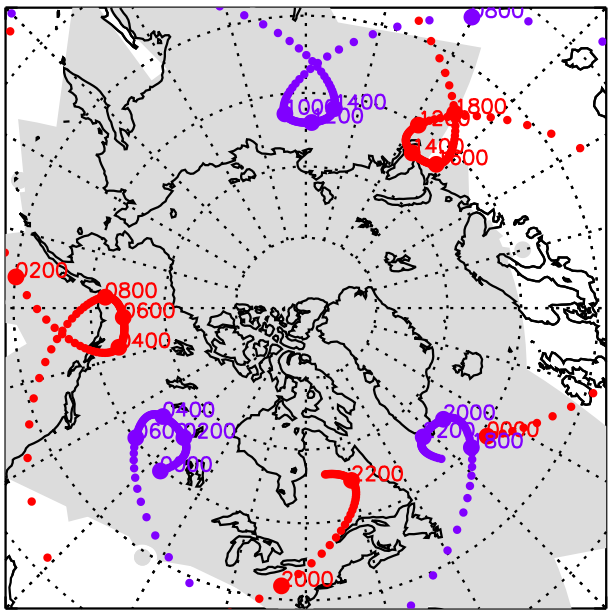


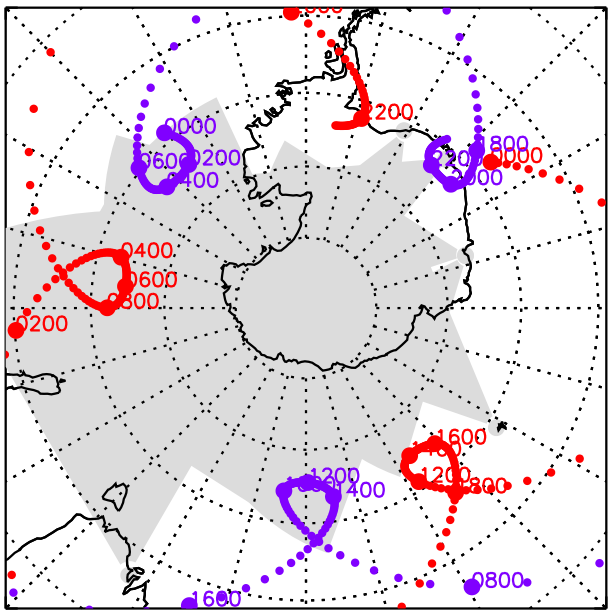


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

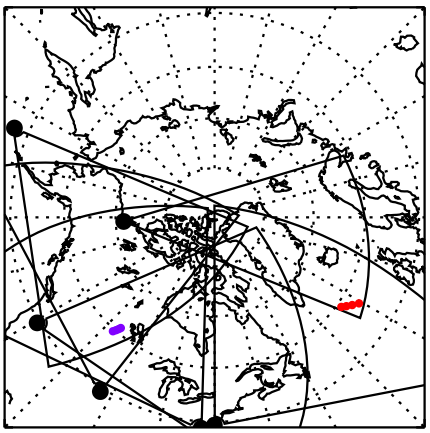
28–May–2015

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

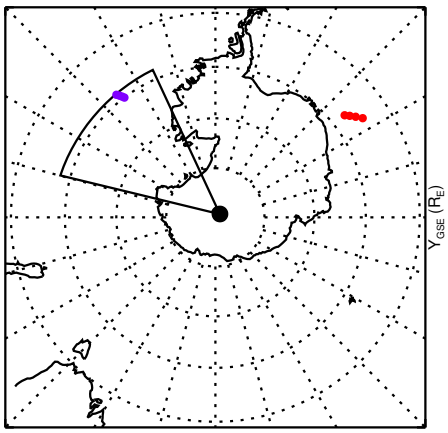


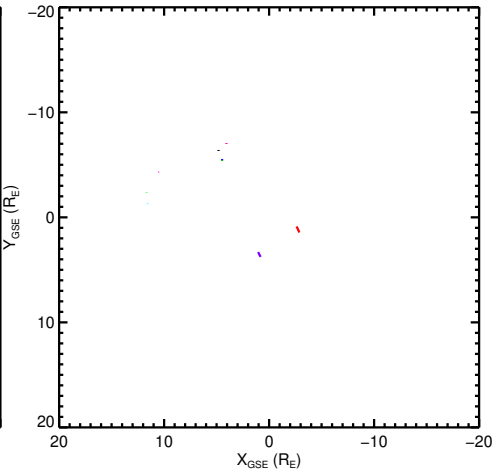


(a) 0000UT to 0015UT
ade bks cve fhw inv wal

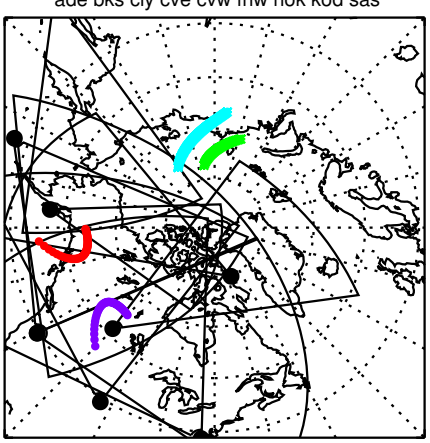


dce

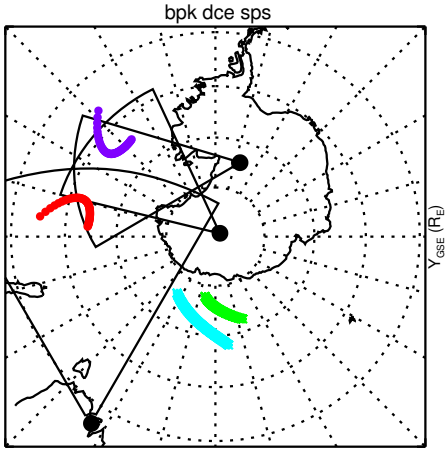


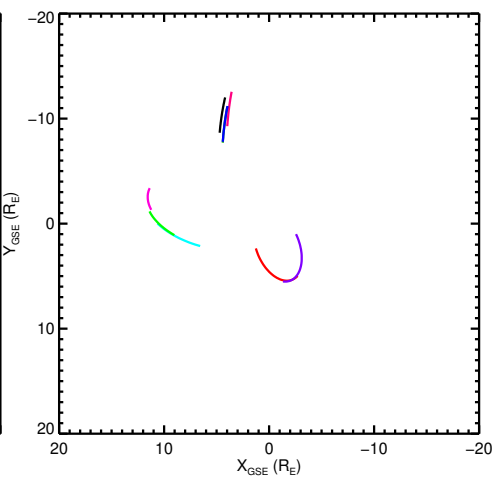


(b) 0220UT to 0630UT
ade bks cly cve cvw fhw hok kod sas

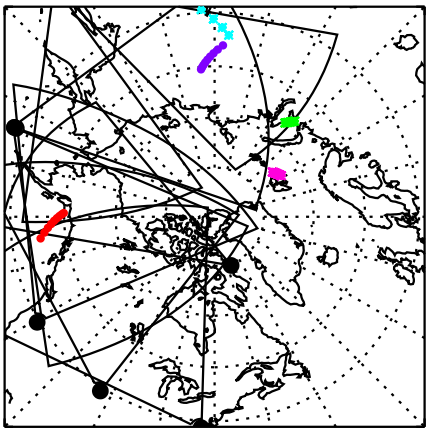


bpk dce sps

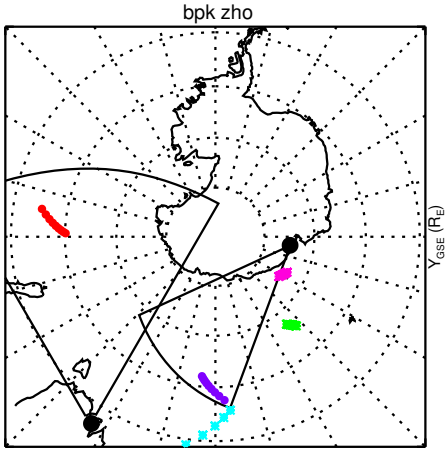


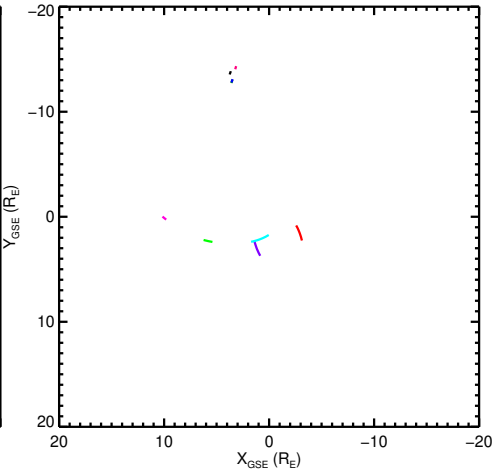


(c) 0835UT to 0915UT
ade adw bks cly cvw fhw hkw hok

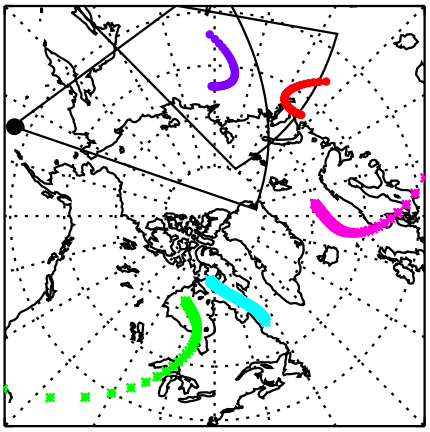


bpk zho

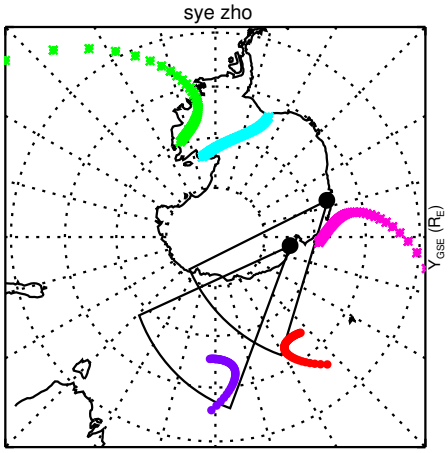


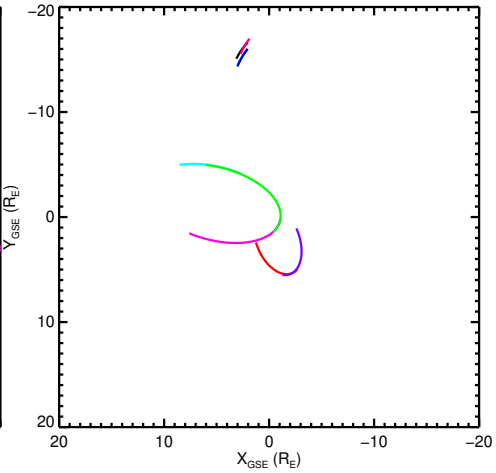


(d) 1120UT to 1530UT
adw hkw

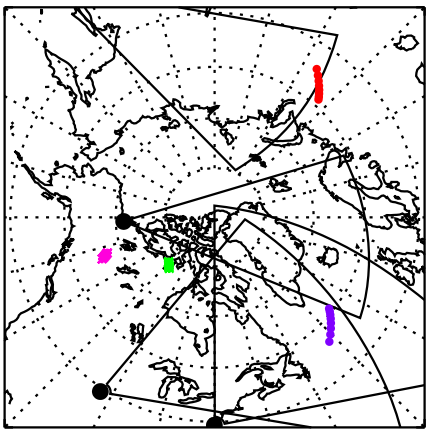


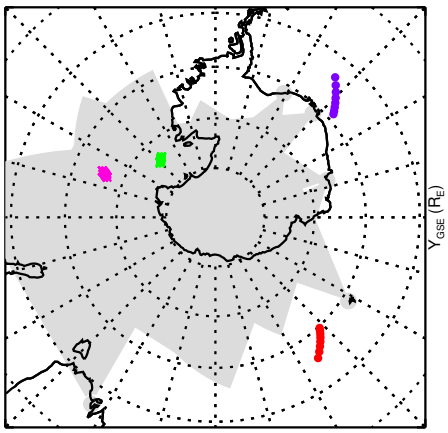
sye zho

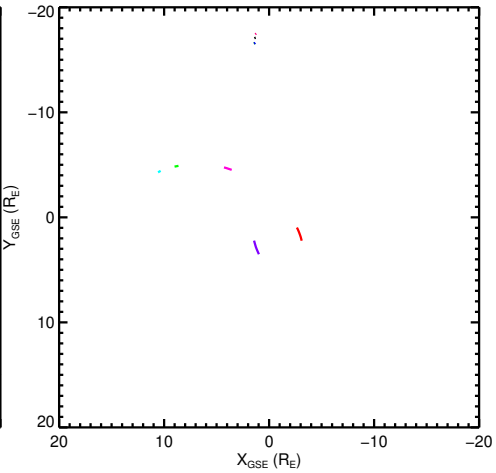




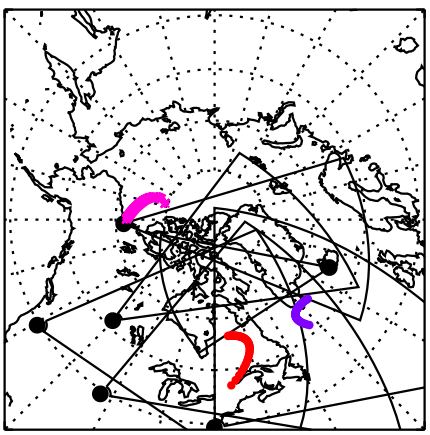
(e) 1735UT to 1810UT
fhe hkw inv wal



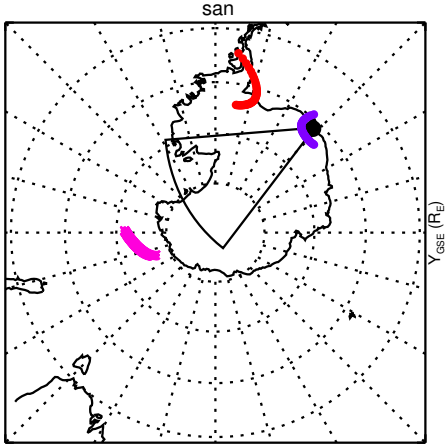


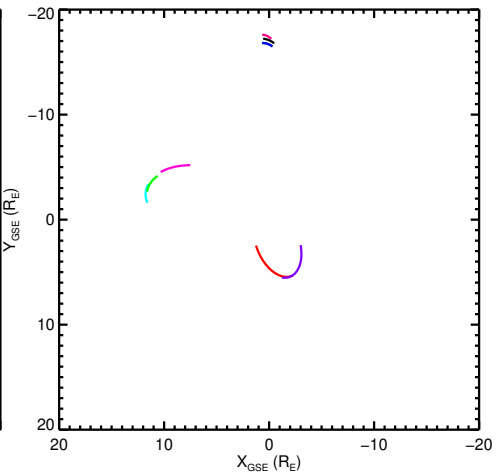


(f) 2020UT to 2355UT
cve fhe inv sas sto wal



san

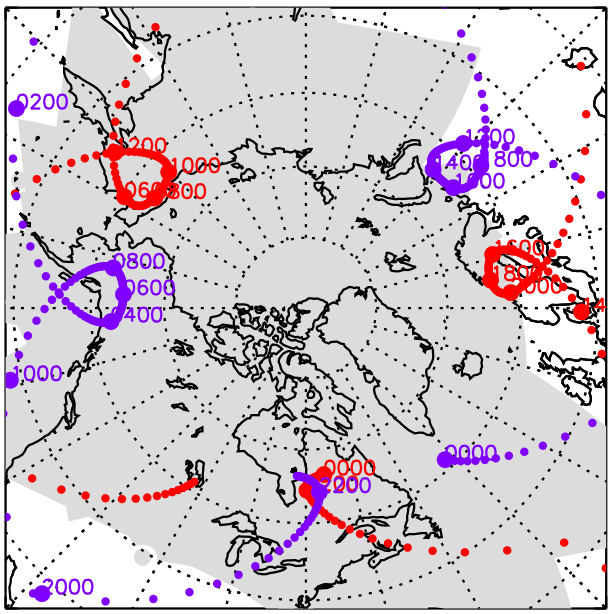


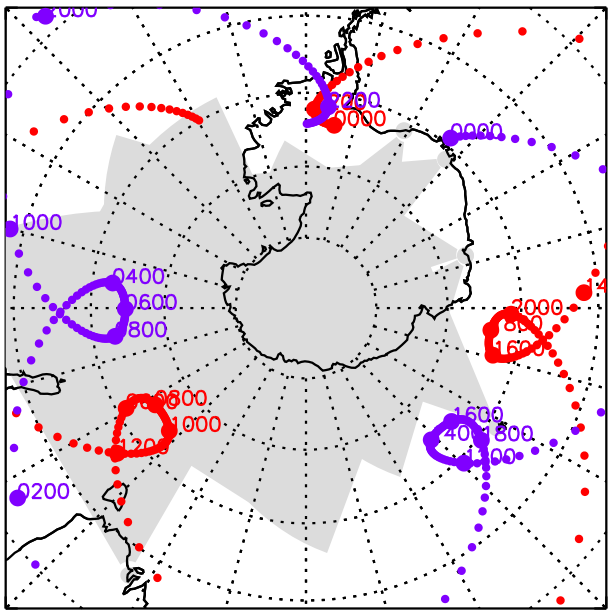


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

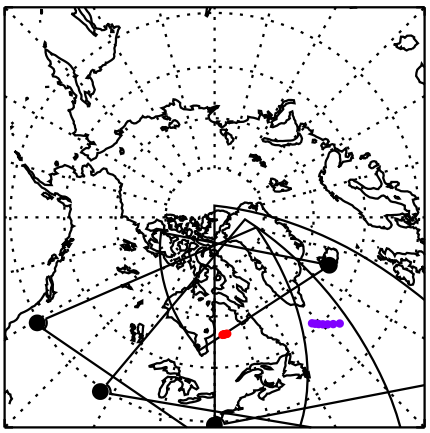
29–May–2015

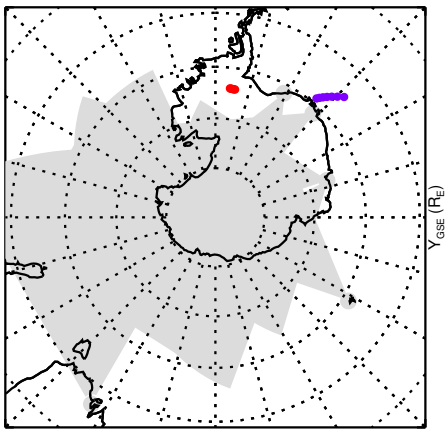
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

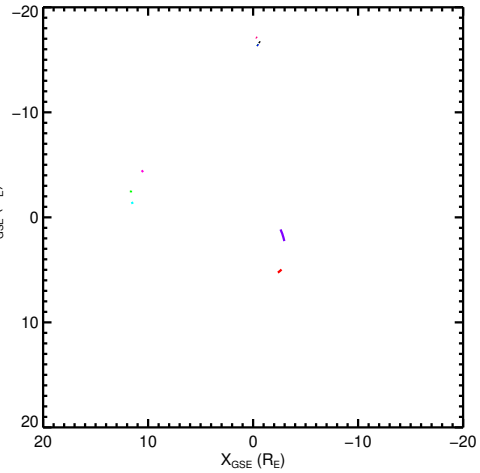




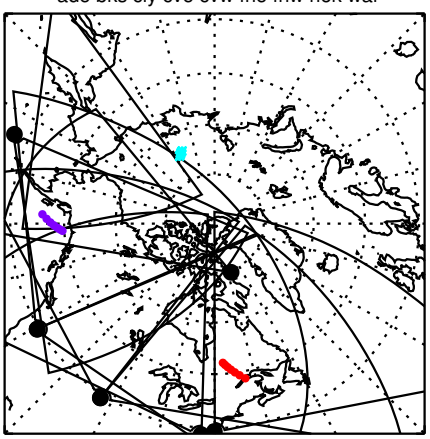
(a) 0000UT to 0030UT
cve fhe sto wal



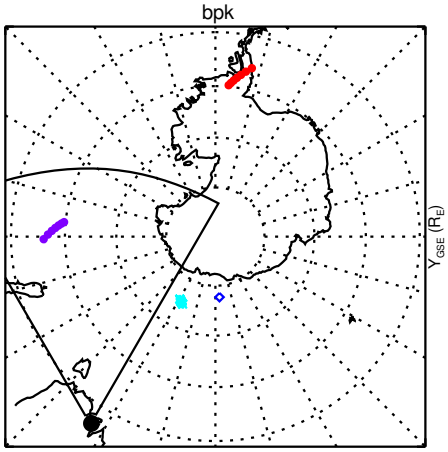


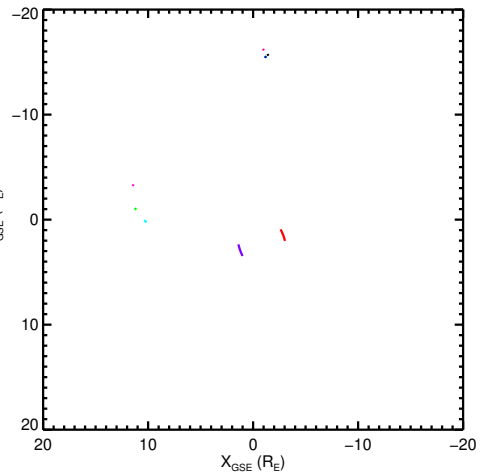


(b) 0240UT to 0310UT
ade bks cly cve cvw fhe fhw hok wal



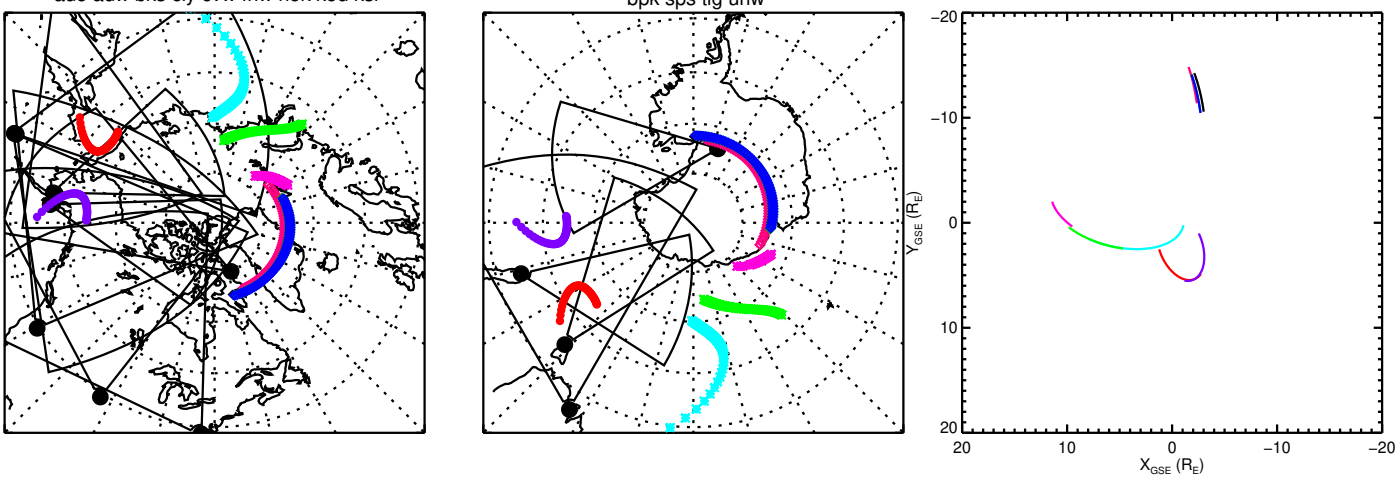
bpk





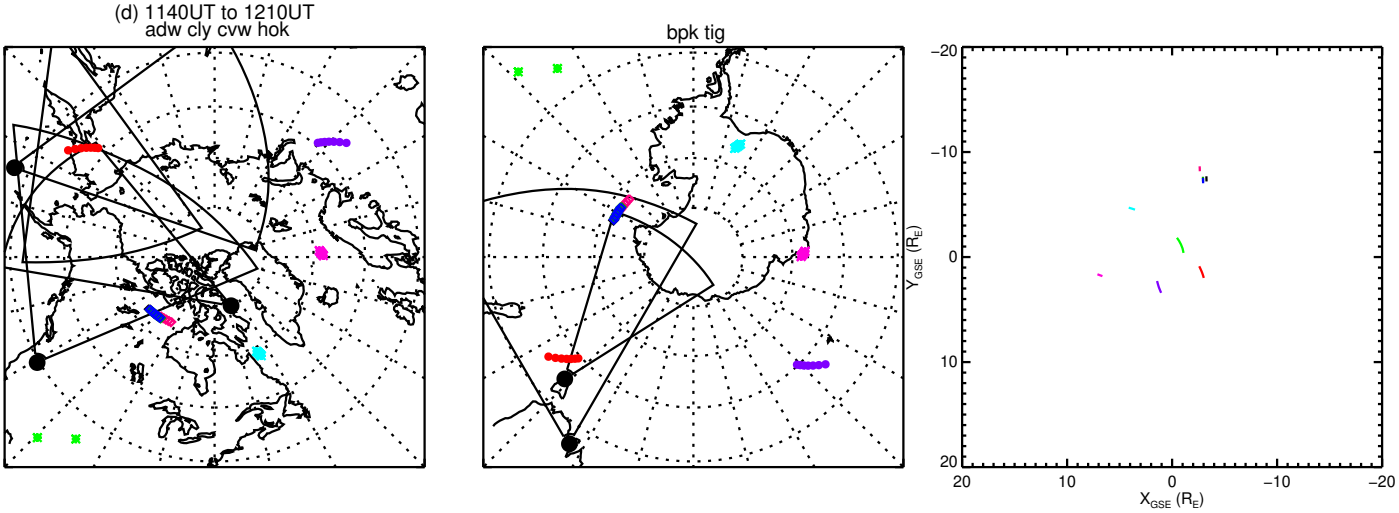
(c) 0520UT to 0935UT
ade adw bks cly cvw fhw hok kod ksr

bpk sps tig unw

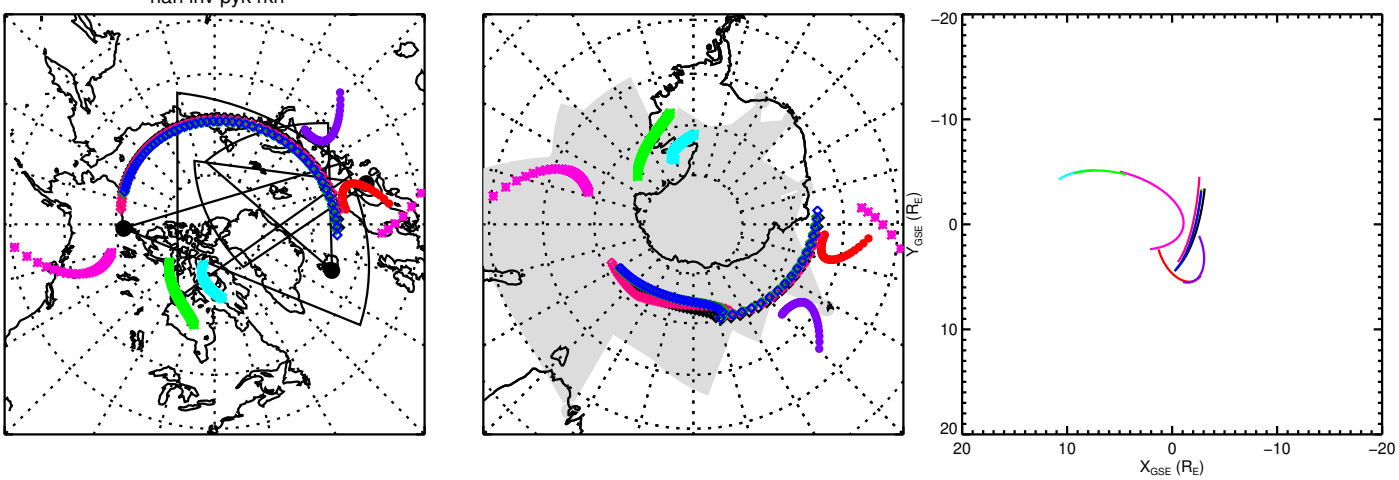


(d) 1140UT to 1210UT
adw cly cvw hok

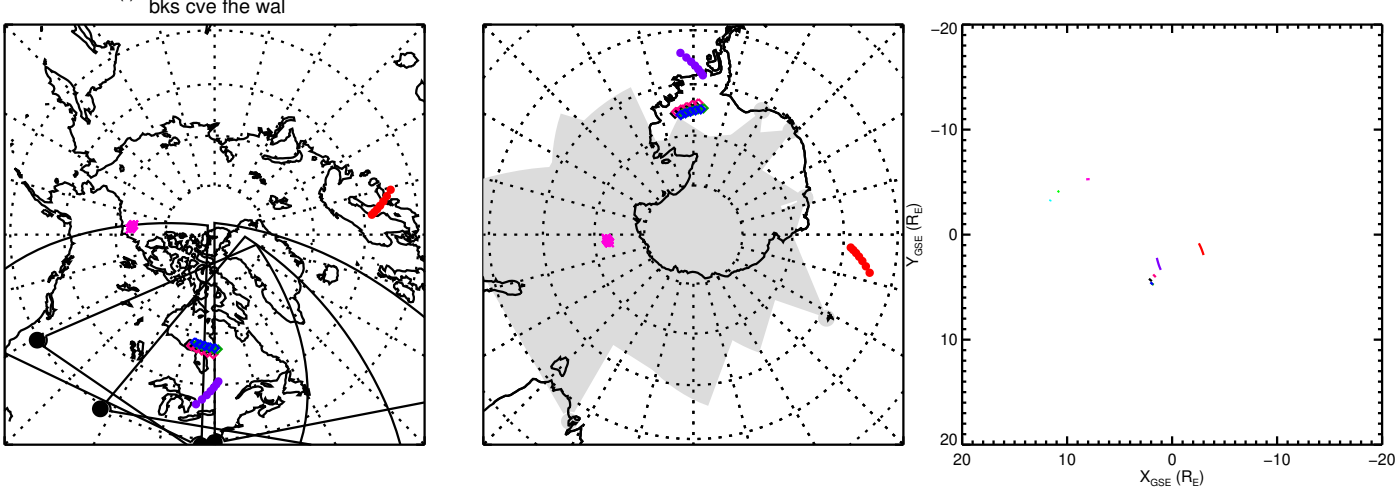
bpk tig



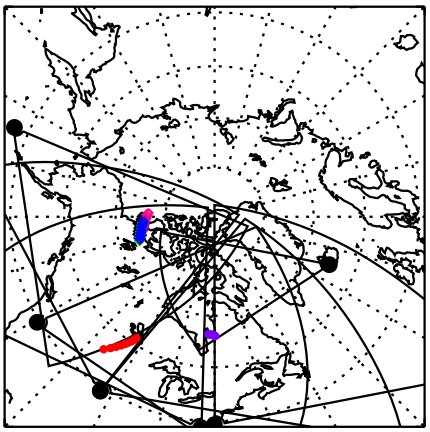
(e) 1415UT to 1835UT
han inv pyk rkn



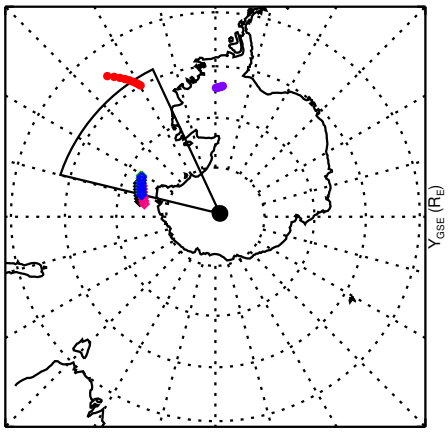
(f) 2040UT to 2110UT
bks cve fhe wal

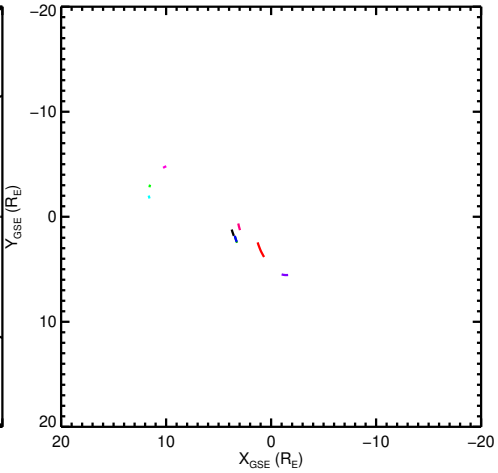


(g) 2315UT to 2355UT
ade bks cve fhe fhw sto wal



dce

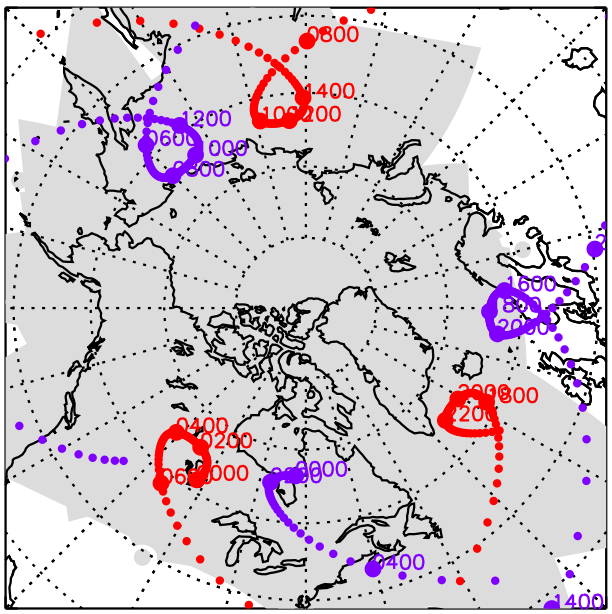


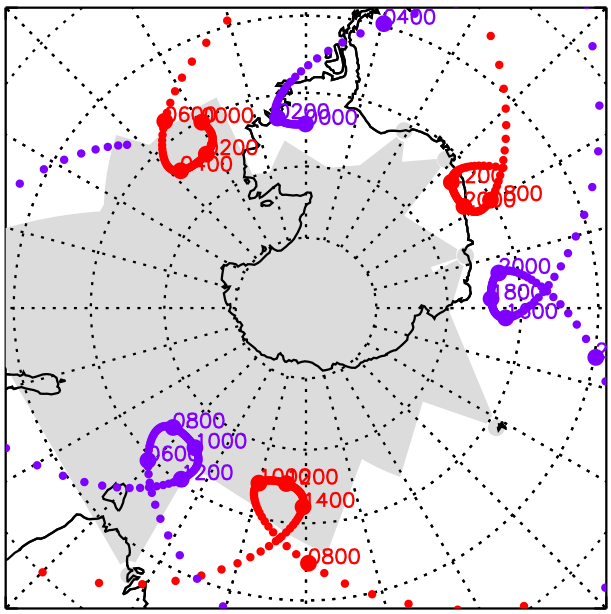


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

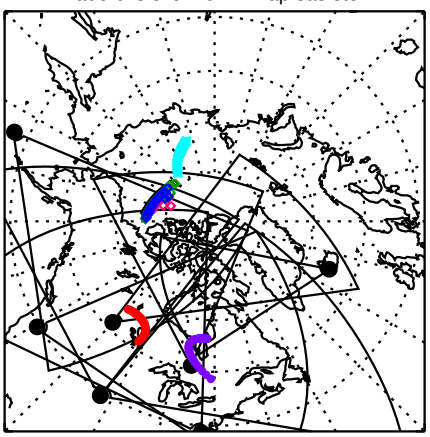
30–May–2015

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

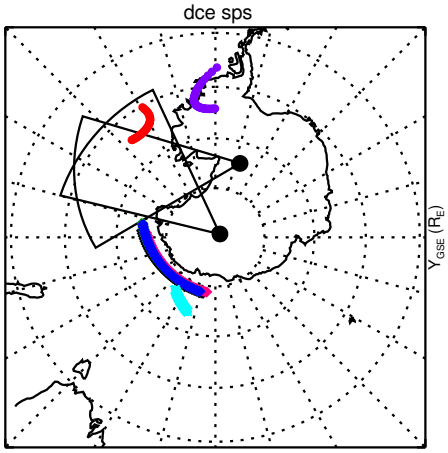


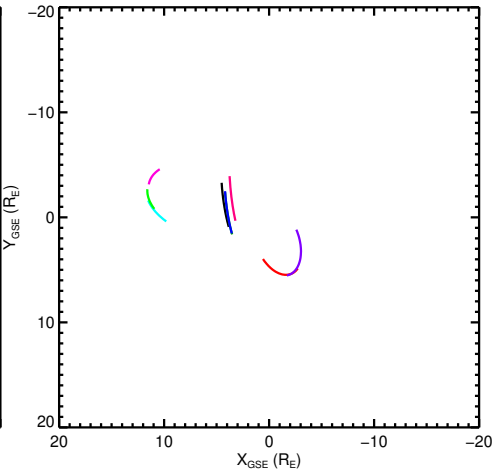


(a) 0000UT to 0335UT
ade bks cve fhe fhw kap sas sto

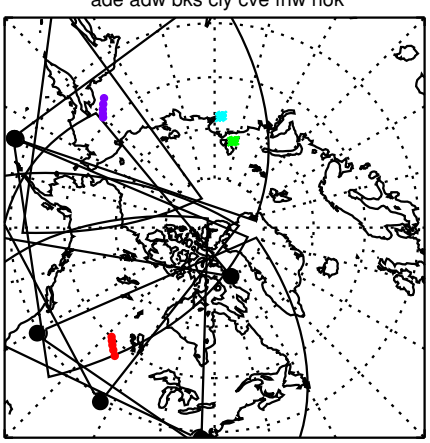


dce sps

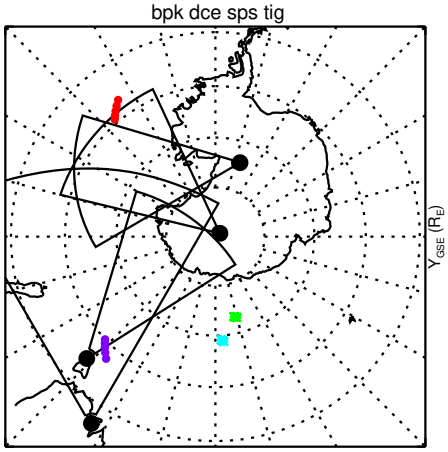


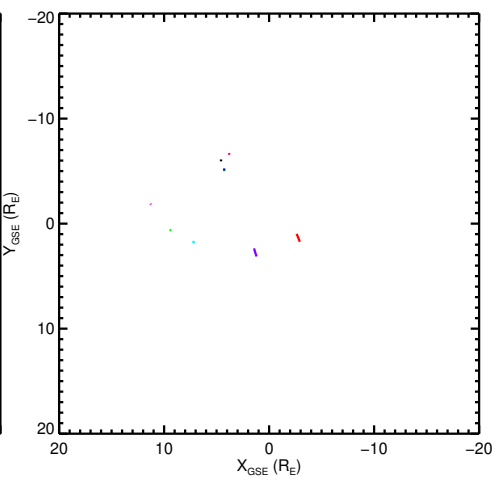


(b) 0545UT to 0605UT
ade adw bks cly cve fhw hok

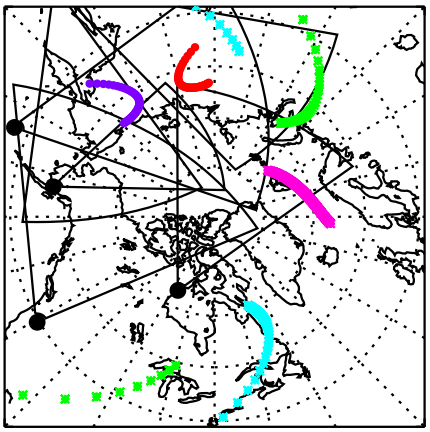


bpk dce sps tig

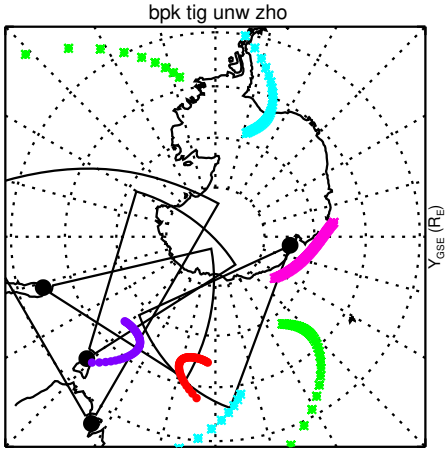


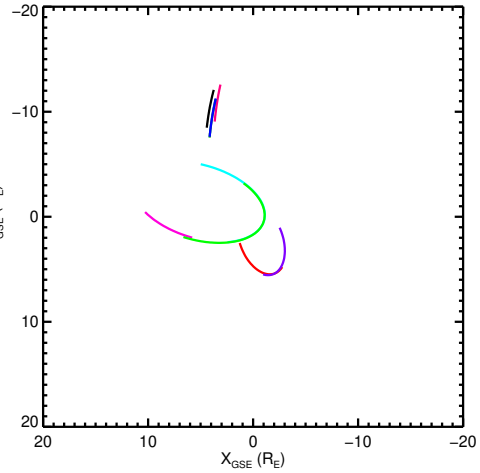


(c) 0815UT to 1240UT
adw cvw hkw hok ksr rkn

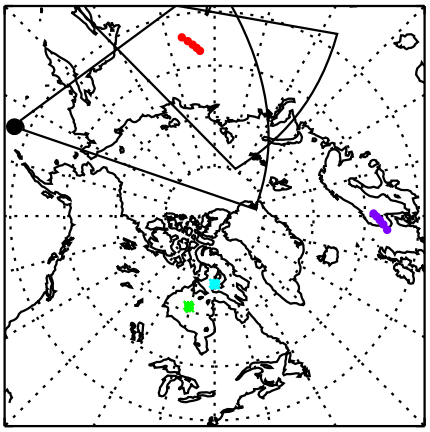


bpk tig unw zho

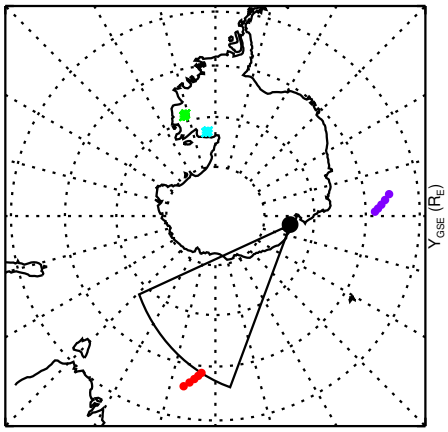


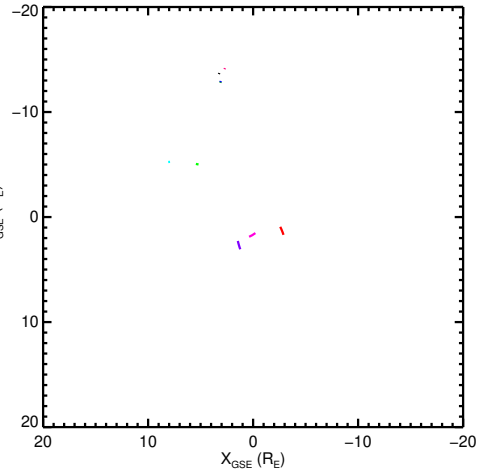


(d) 1445UT to 1505UT
adw hkw

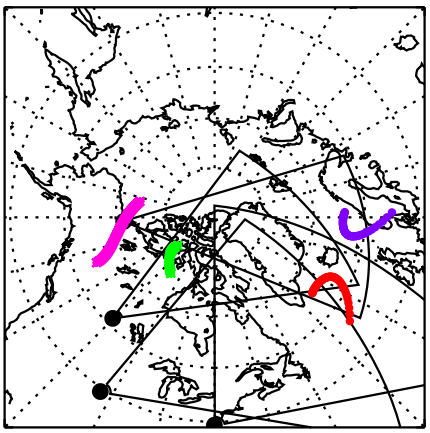


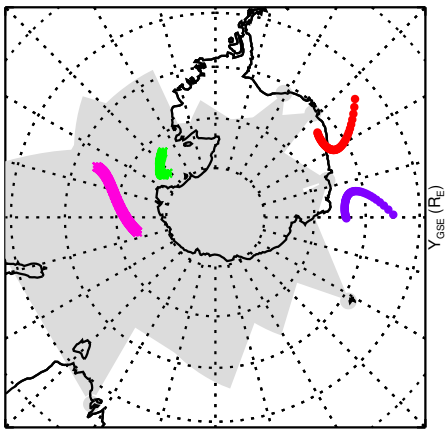
zho

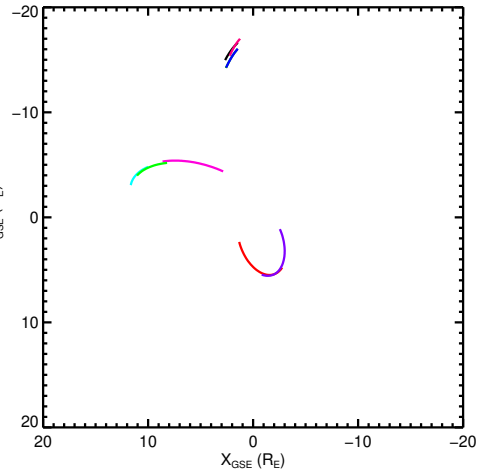




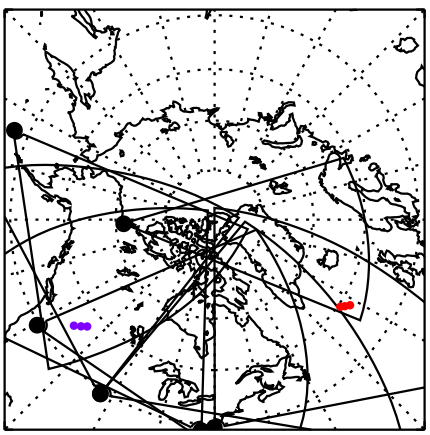
(e) 1710UT to 2140UT
fhe inv sas wal



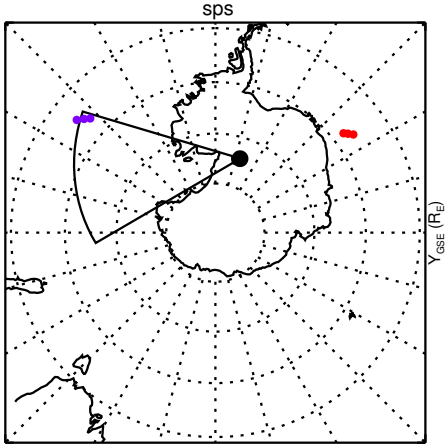


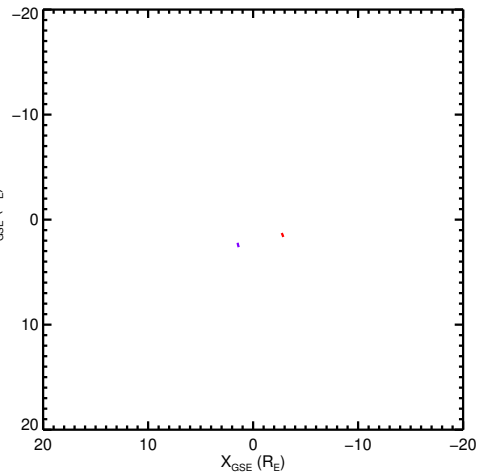


(f) 2345UT to 2355UT
ade bks cve fhe fhw inv wal



sps

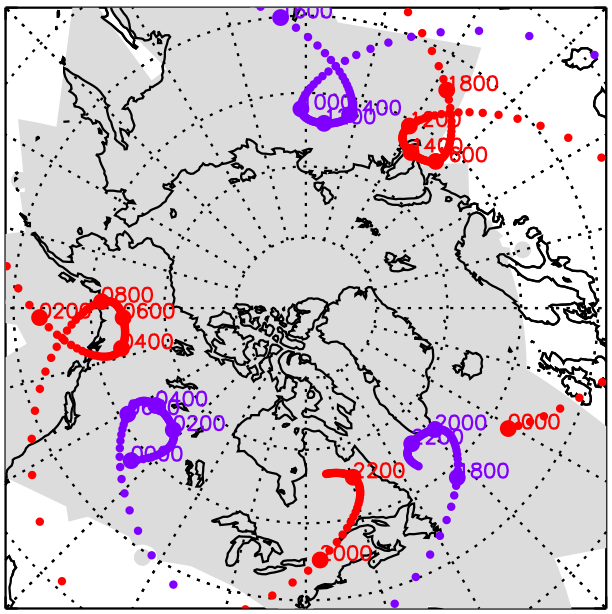


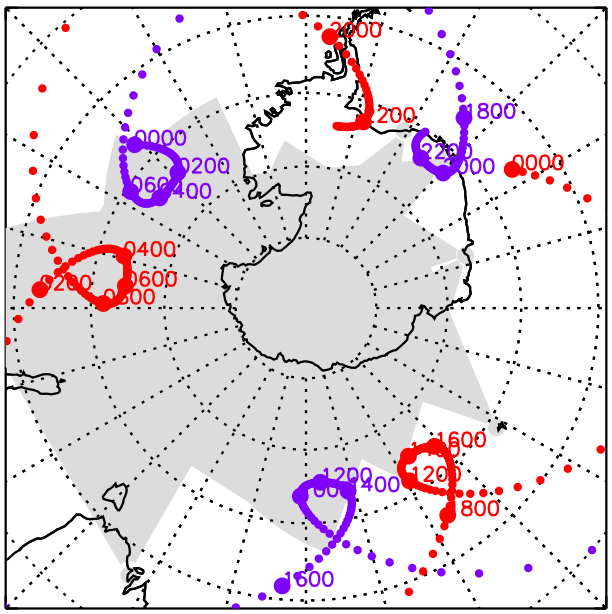


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

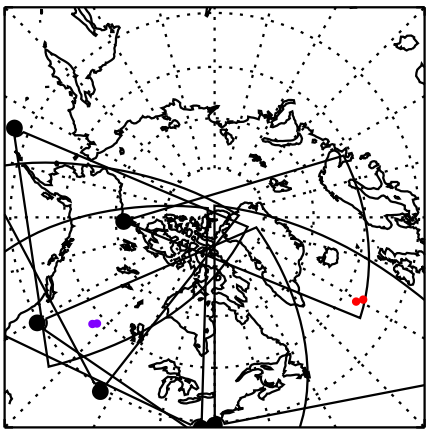
31−May−2015

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

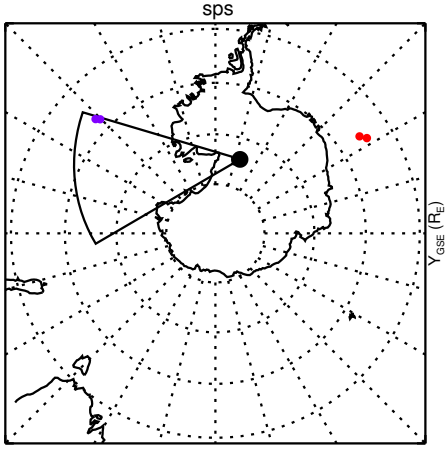


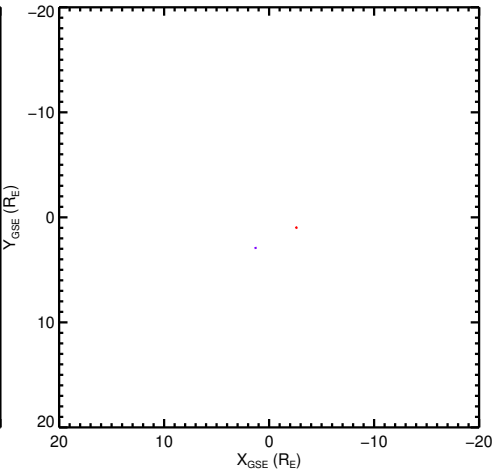


(a) 0000UT to 0005UT
ade bks cve fhw inv wal

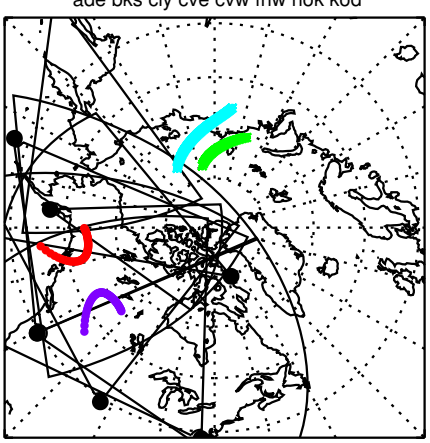


sps

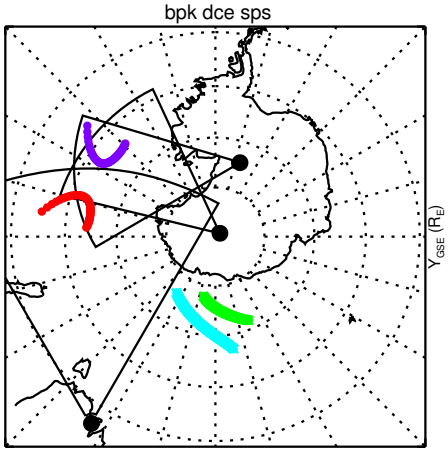


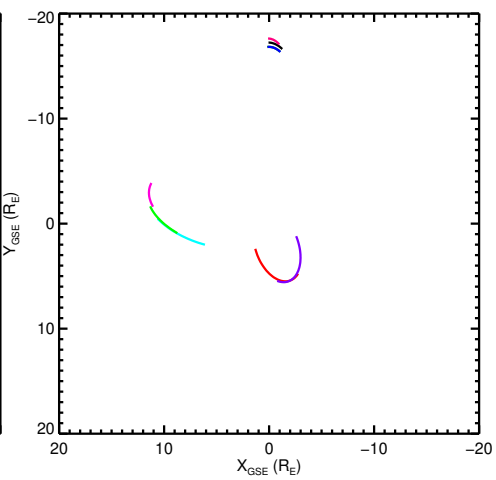


(b) 0210UT to 0640UT
ade bks cly cve cvw fhw hok kod

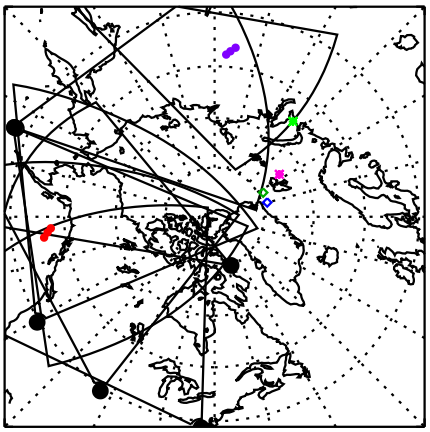


bpk dce sps

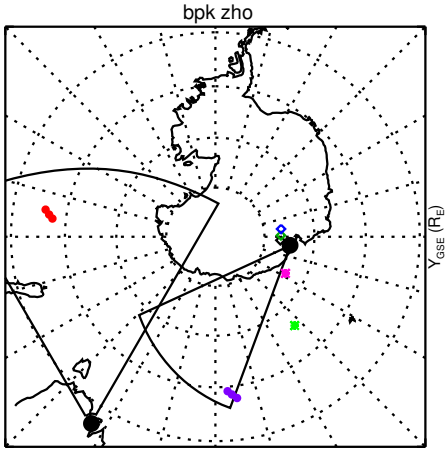


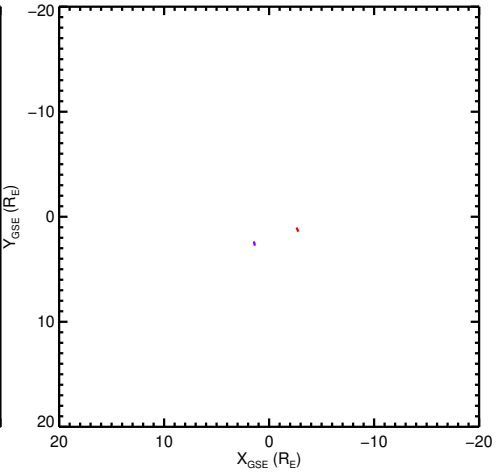


(c) 0850UT to 0900UT
ade adw bks cly cvw fhw hkw

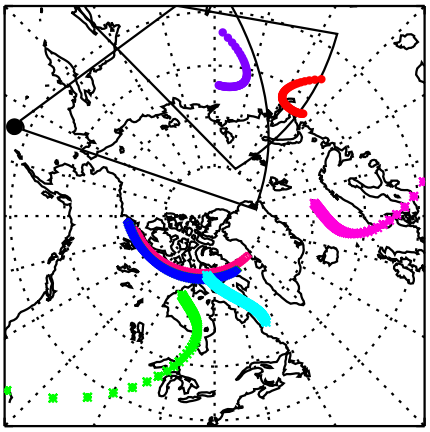


bpk zho

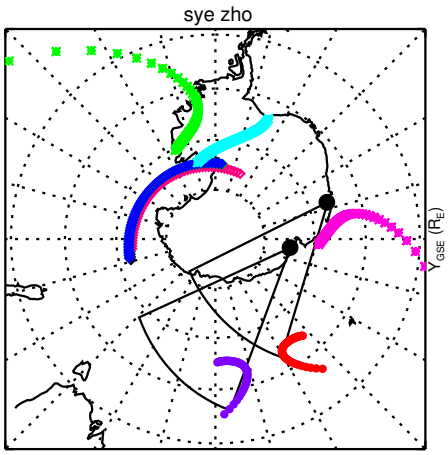


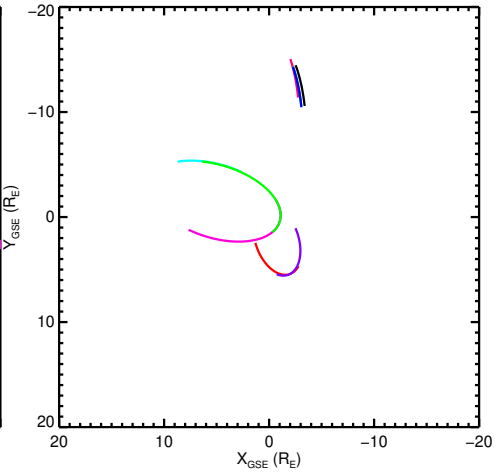


(d) 1110UT to 1545UT
adw hkw

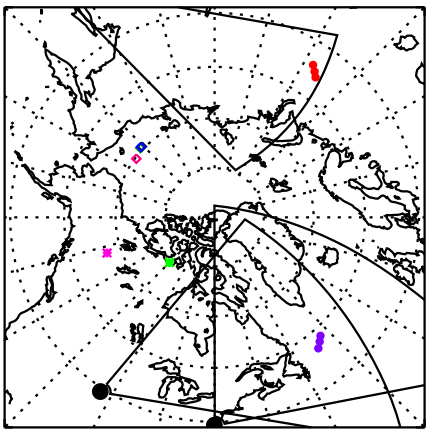


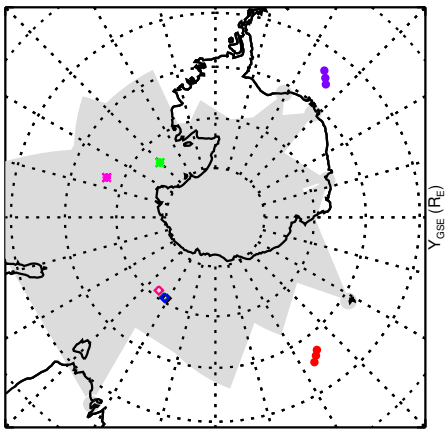
sye zho

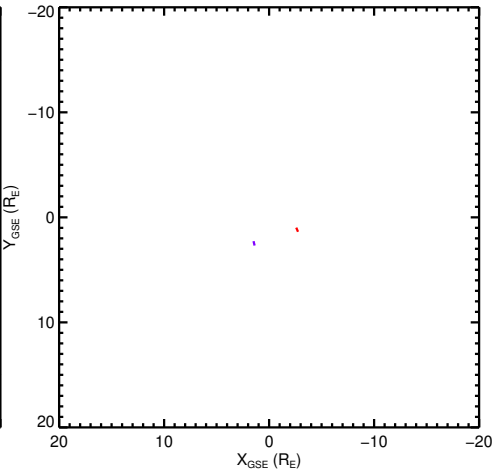




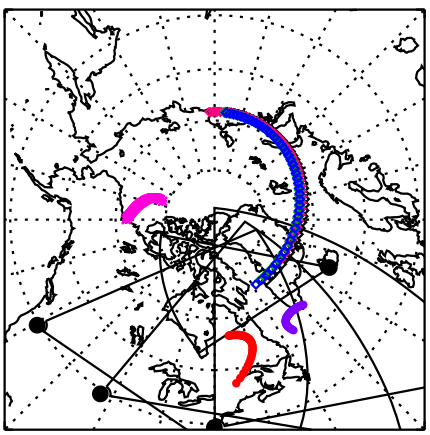
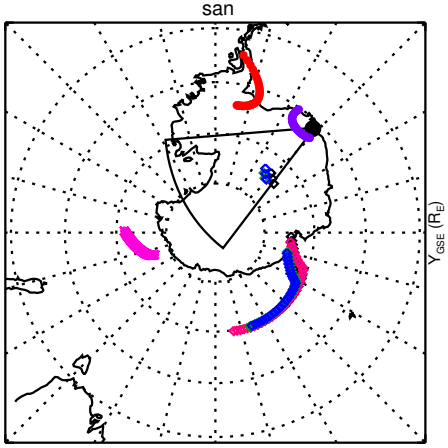
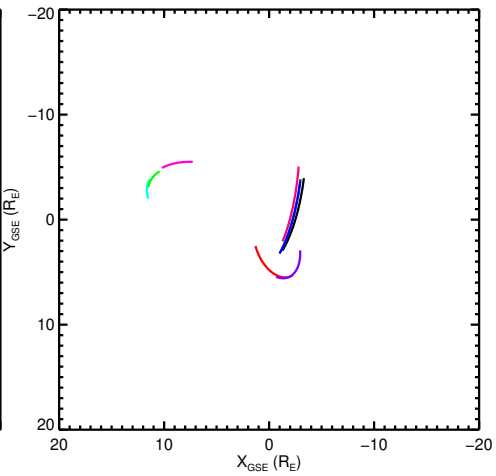
(e) 1750UT to 1800UT
fhe hkw wal







(f) 2010UT to 2355UT
cve fhe sto wal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