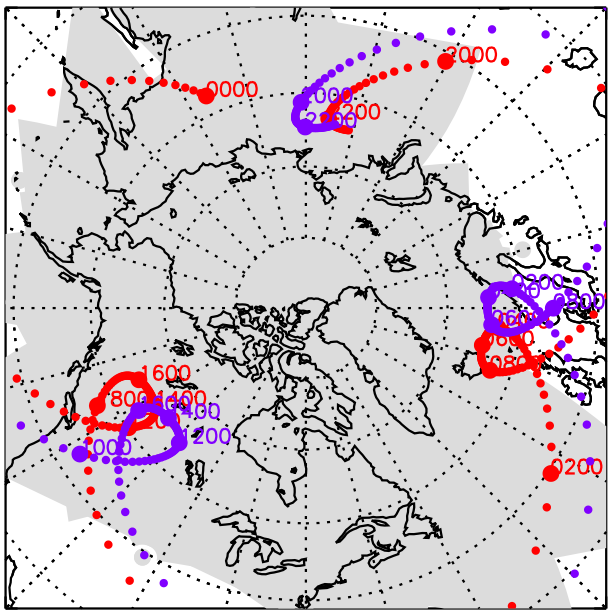
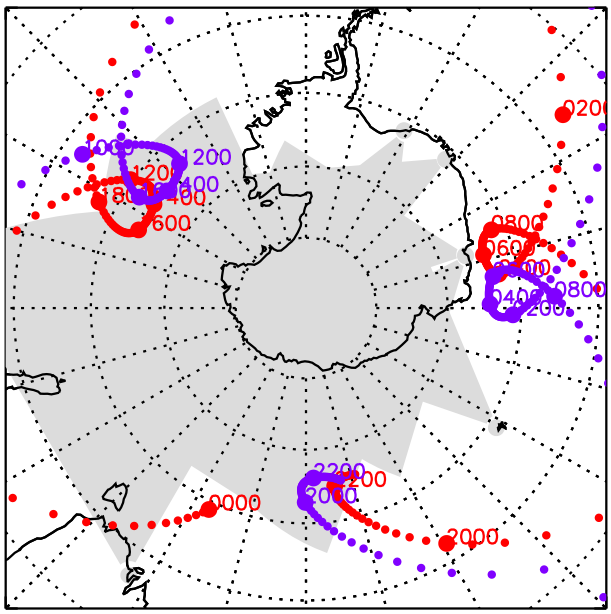
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

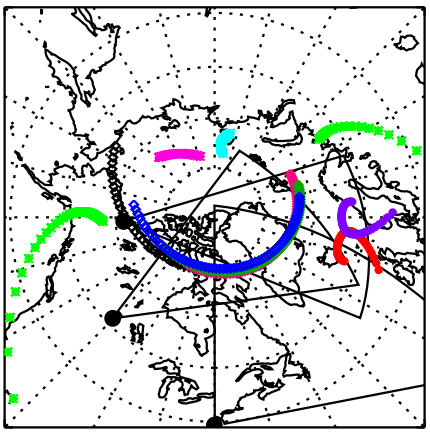
01–Jun–2016

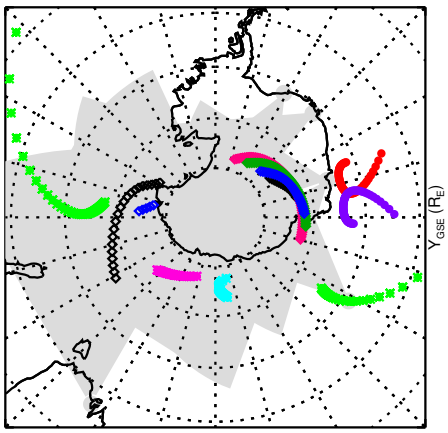
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

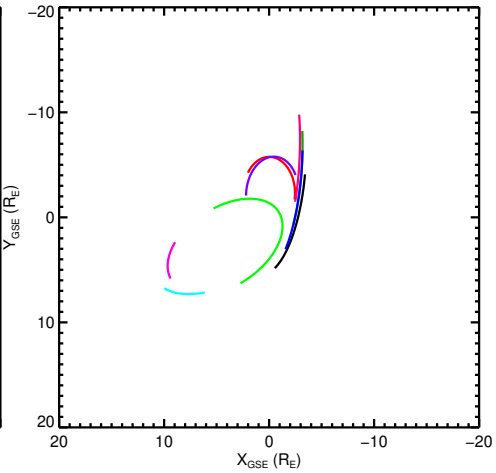




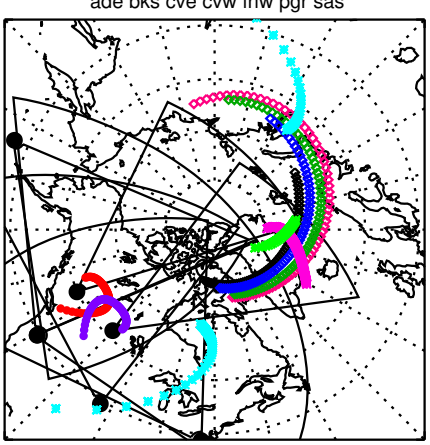
(a) 0225UT to 0805UT
inv sas wal



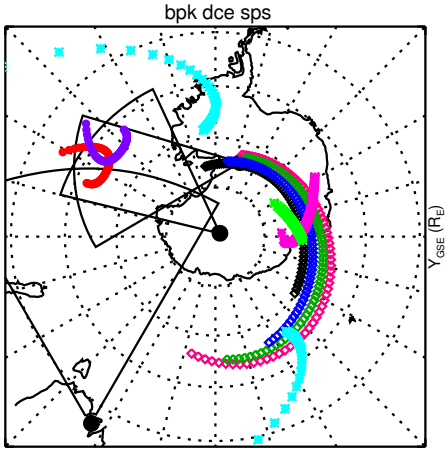


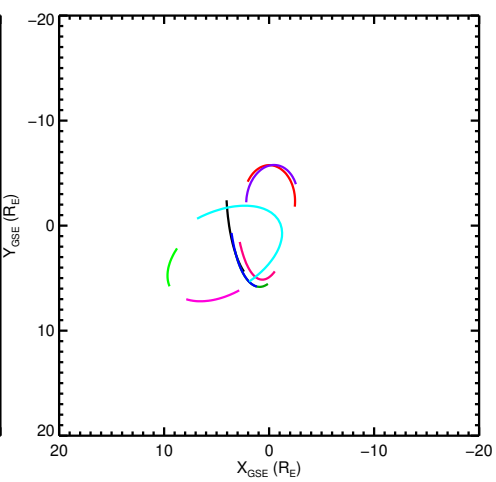


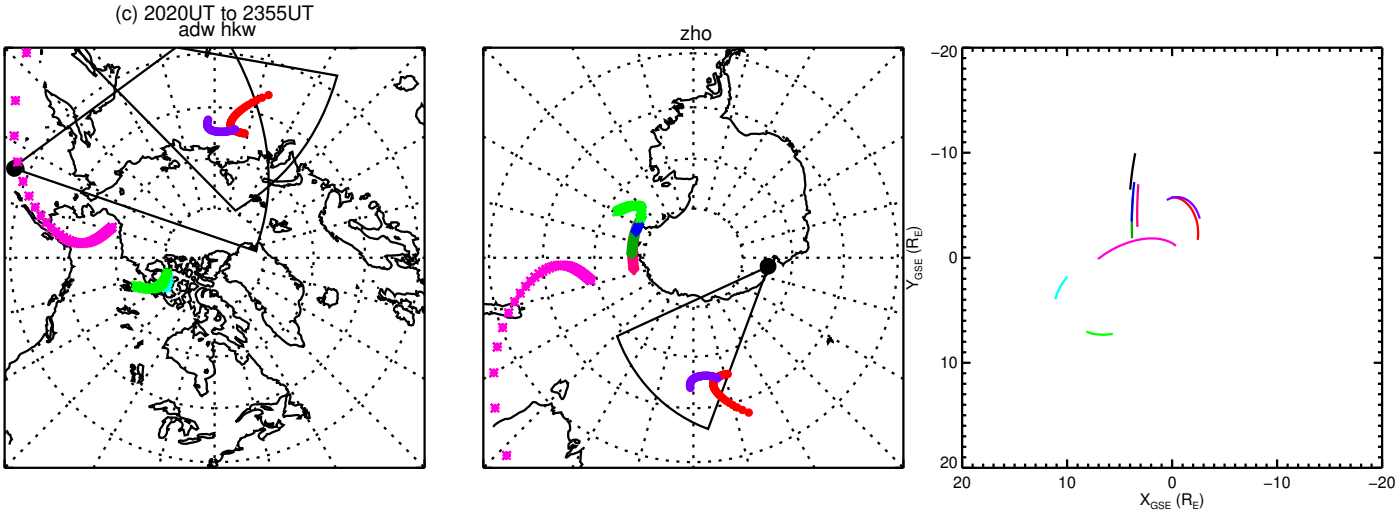
(b) 1125UT to 1705UT
ade bks cve cvw fhw pgr sas



bpk dce sps



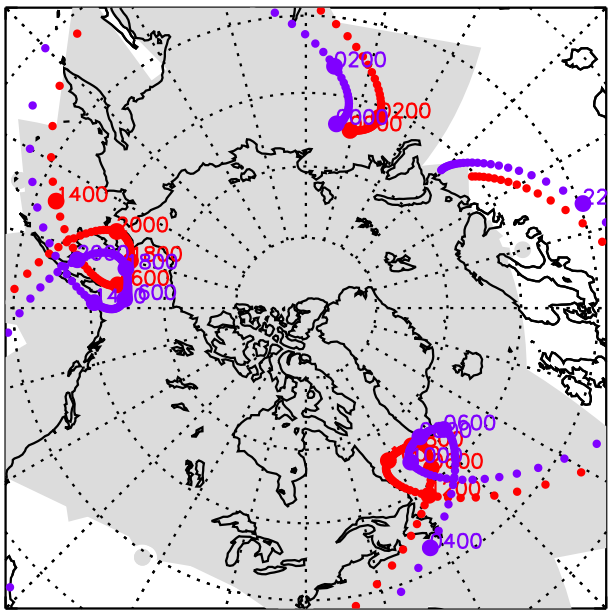


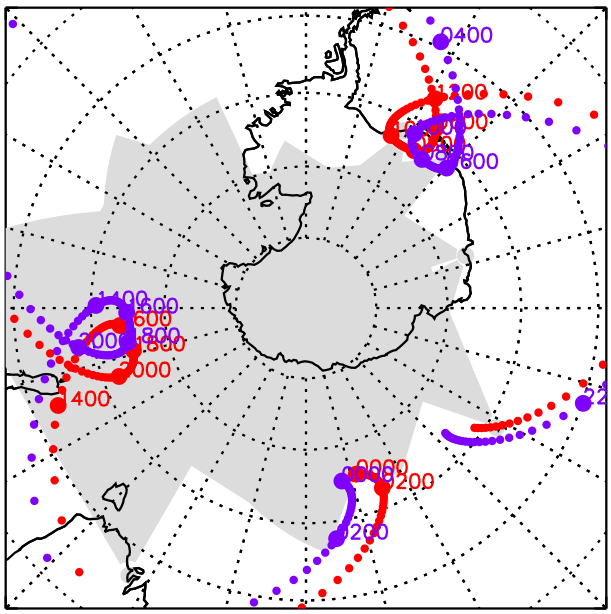

(c) 2020UT to 2355UT
adw hkw
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

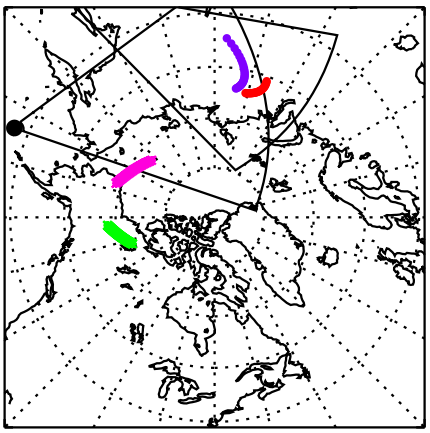
02–Jun–2016

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

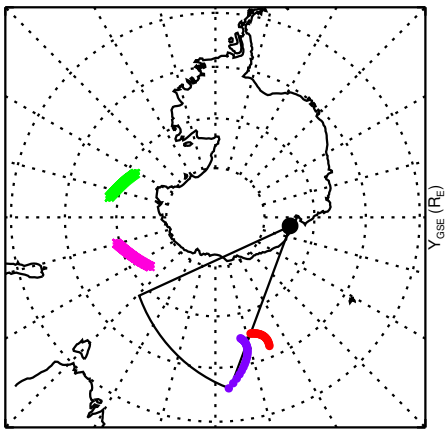


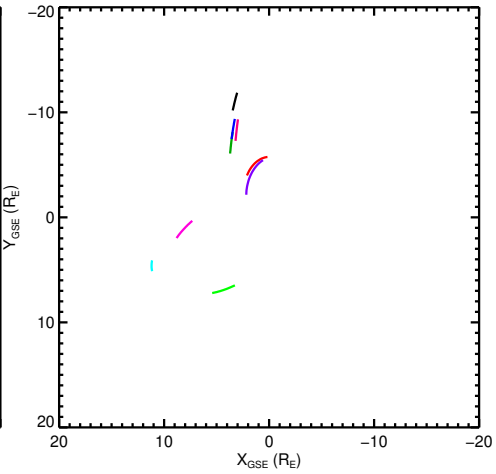


(a) 0000UT to 0210UT
adw hkw

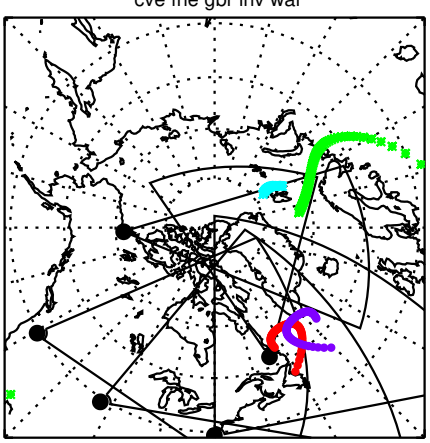


zho

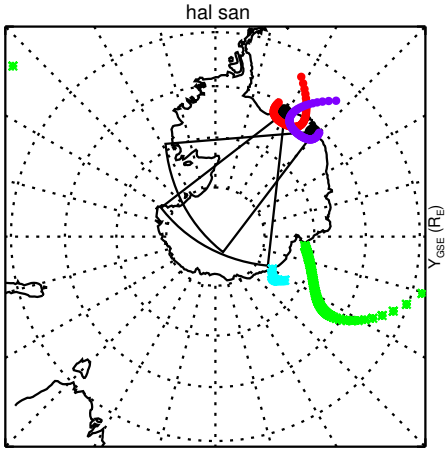


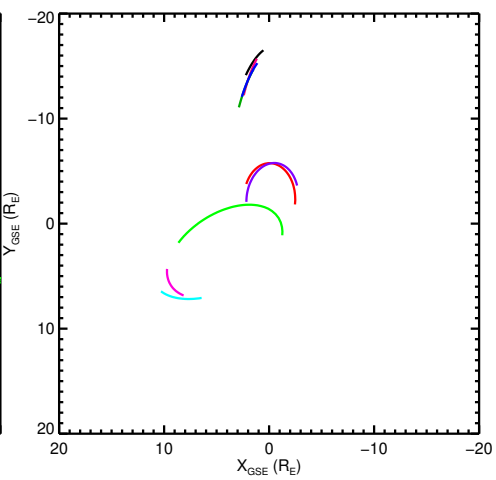


(b) 0520UT to 1115UT
cve fhe gbr inv wal

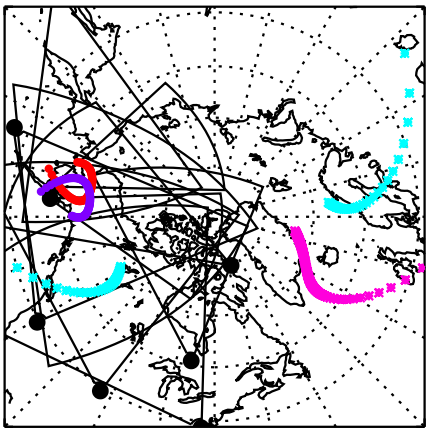


hal san

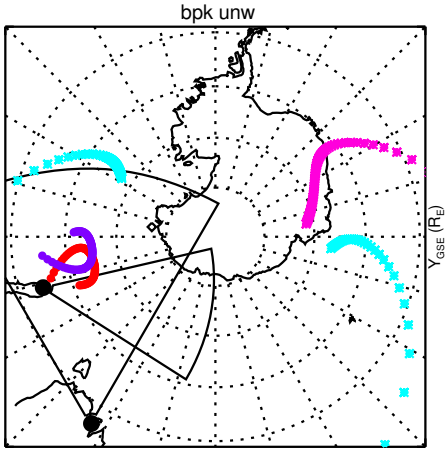


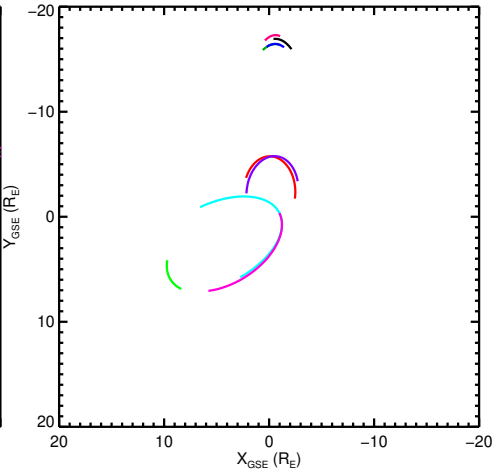


(c) 1415UT to 2015UT
ade bks cly cvw fhw hok kap kod ksr

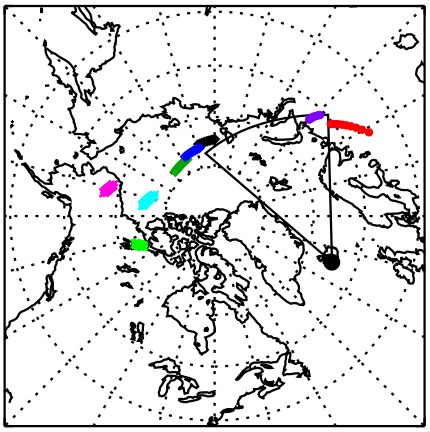


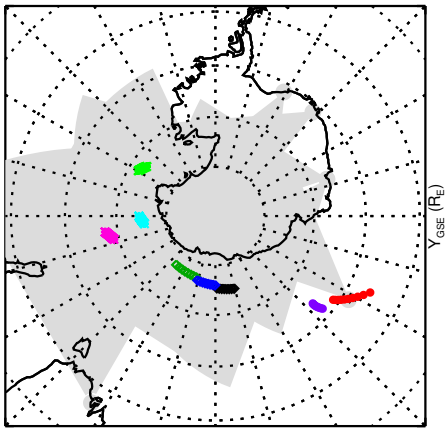
bpk unw

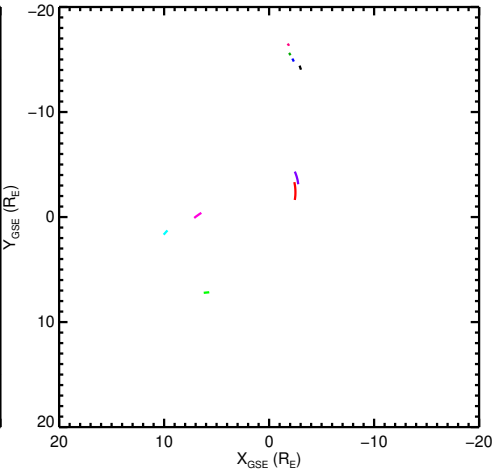




(d) 2310UT to 2355UT
pyk



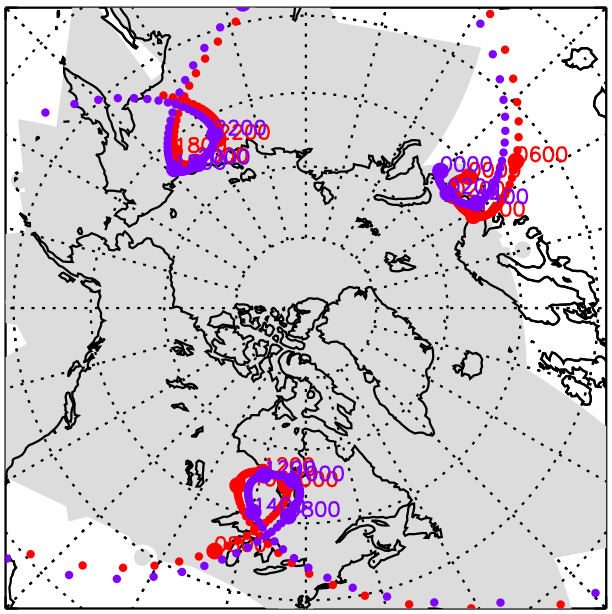


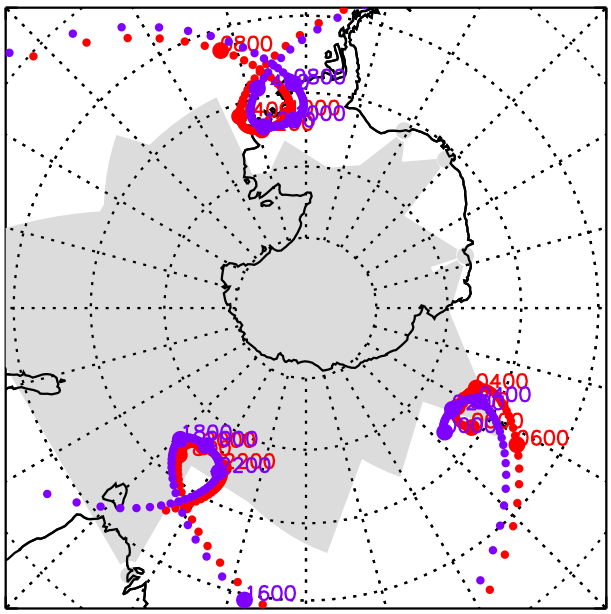


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

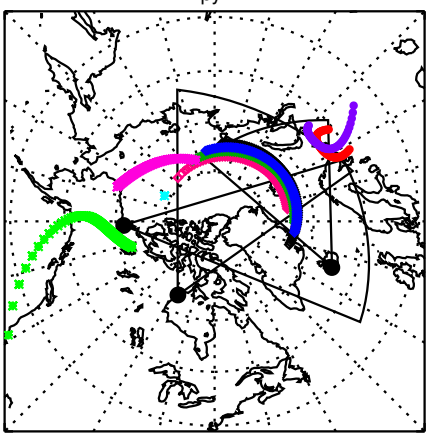
03–Jun–2016

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

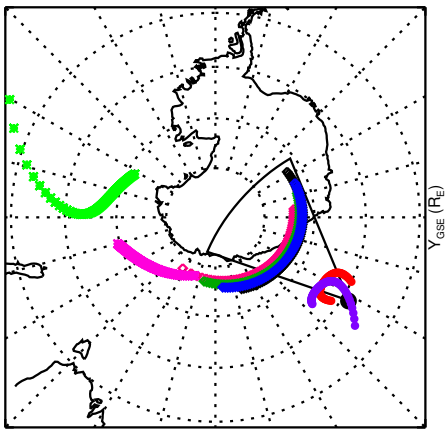


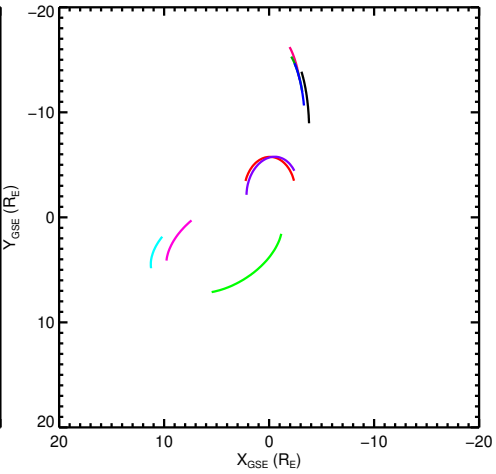


(a) 0000UT to 0520UT
inv pyk rkn

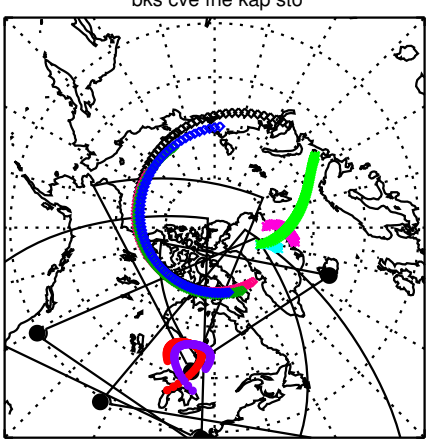


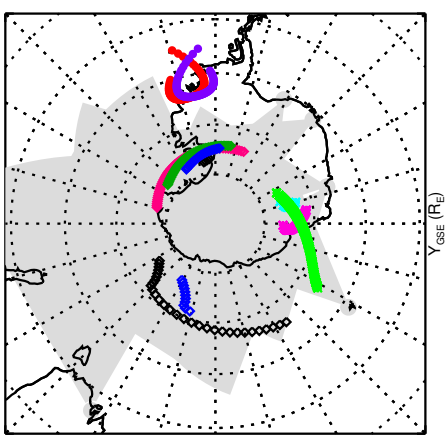
ker

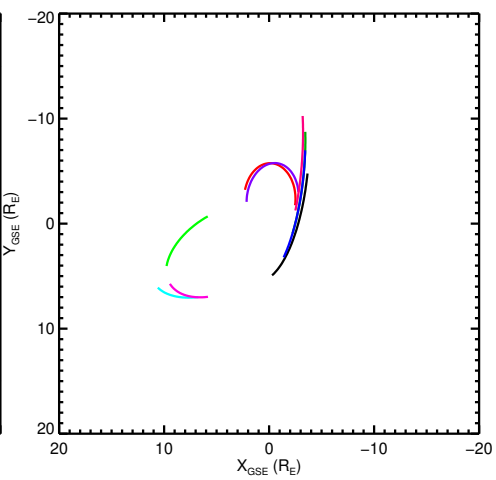


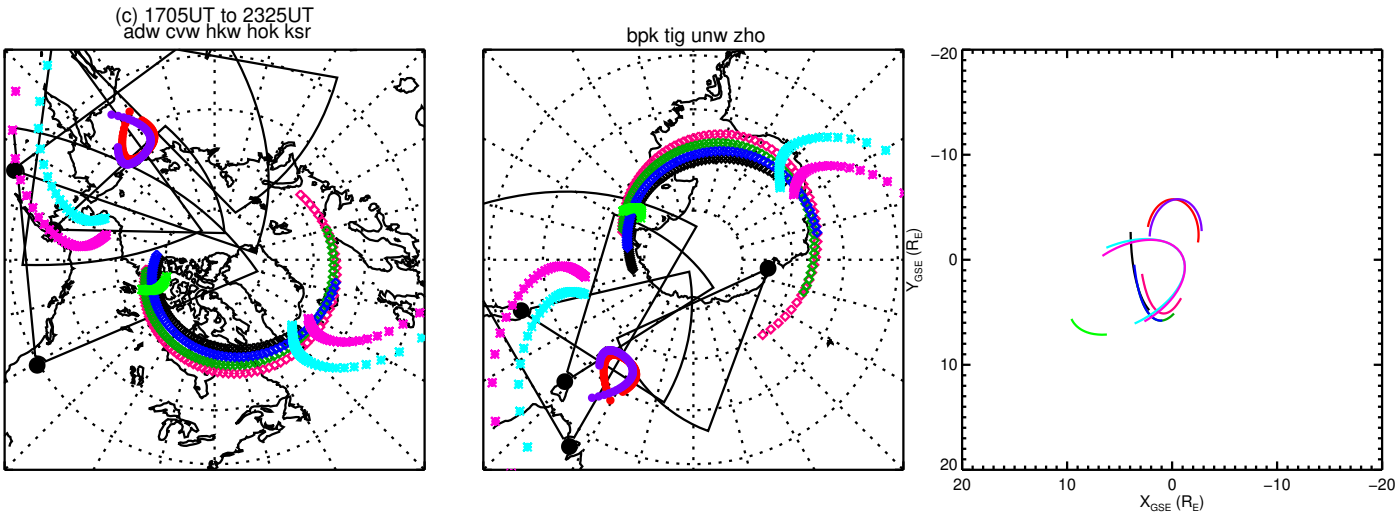


(b) 0810UT to 1425UT
bks cve fhe kap sto





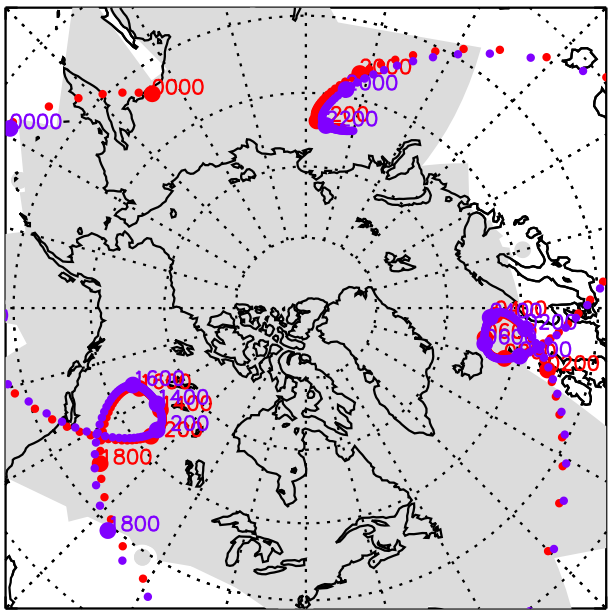


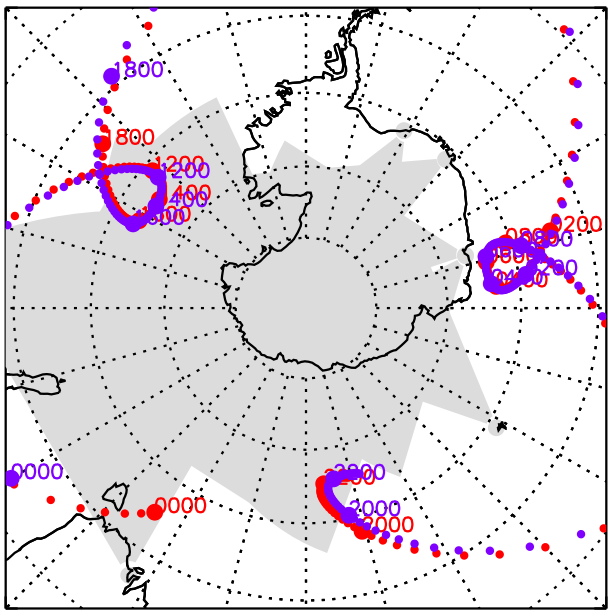

(c) 1705UT to 2325UT
adw cvw hkw hok ksr
bpk tig unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

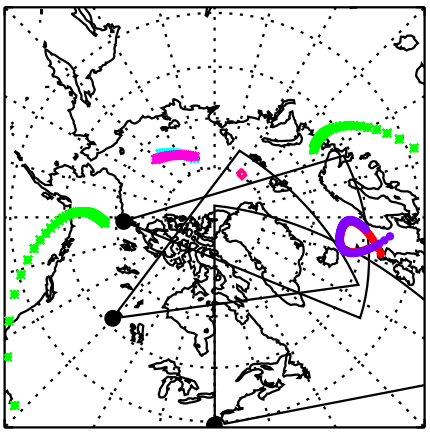
04–Jun–2016

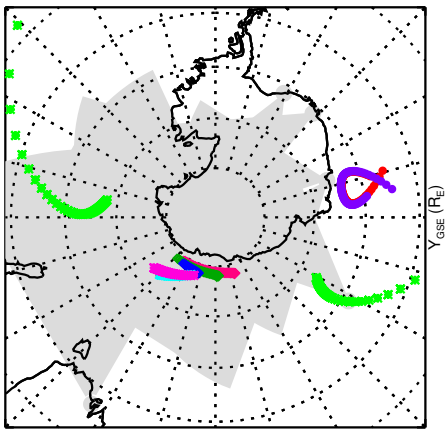
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

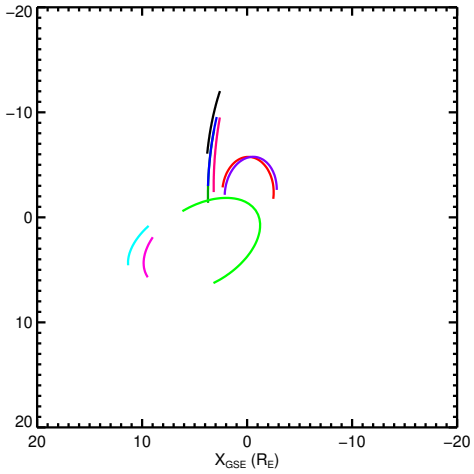




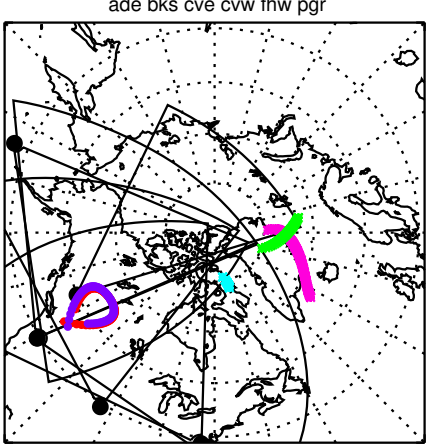
(a) 0205UT to 0830UT
inv sas wal



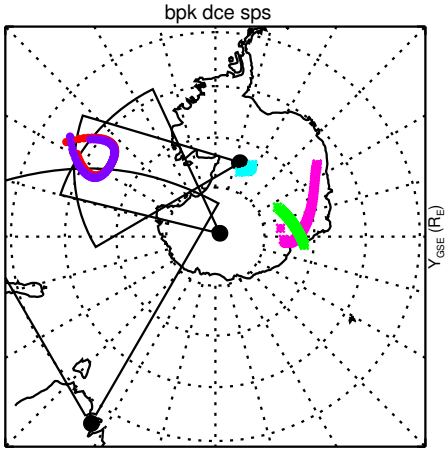


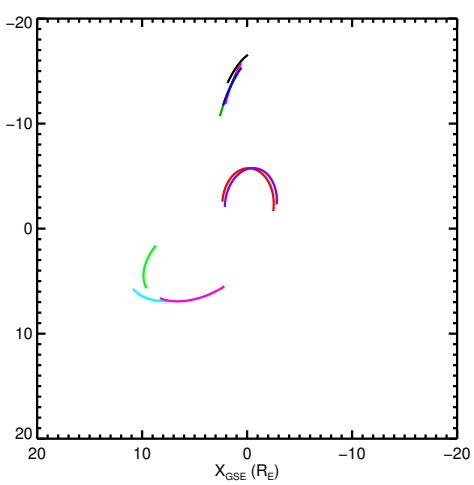


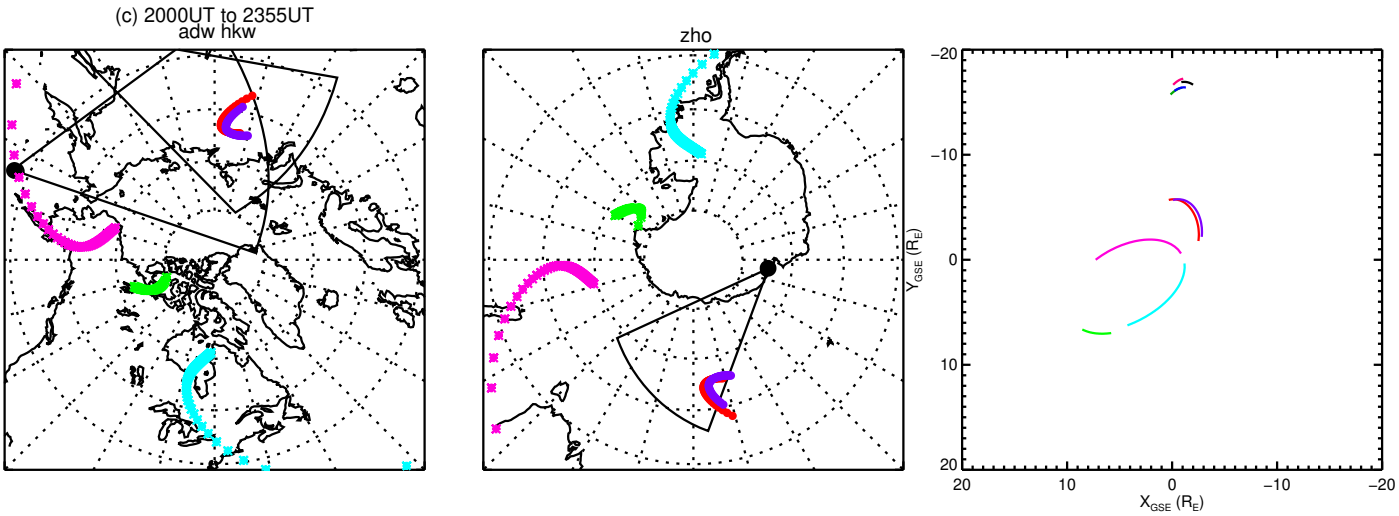
(b) 1100UT to 1735UT
ade bks cve cvw fhw pgr



bpk dce sps



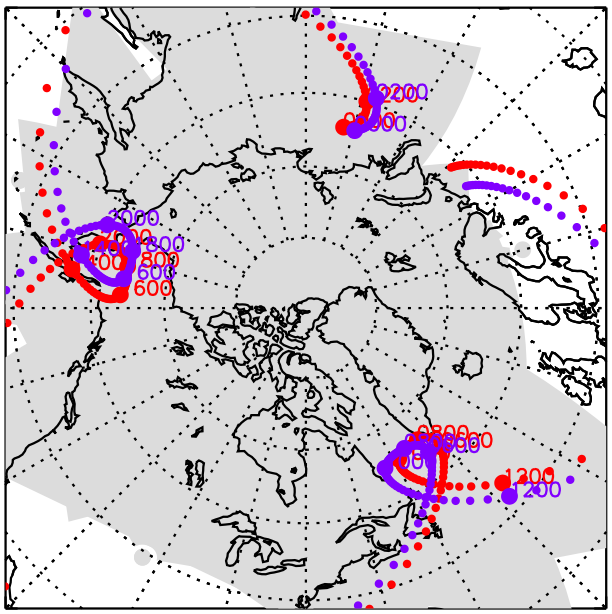


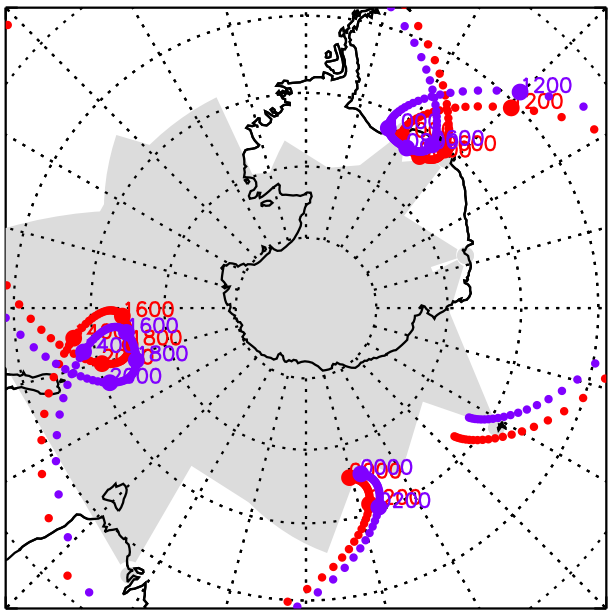

(c) 2000UT to 2355UT
adw hkw
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

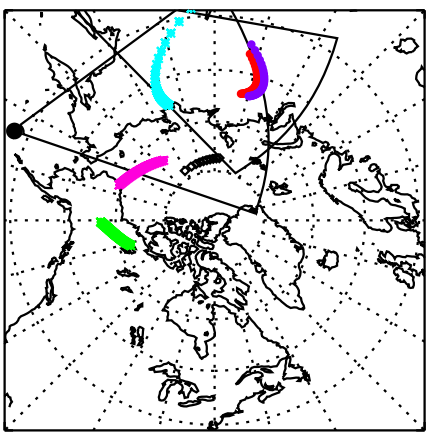
05–Jun–2016

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

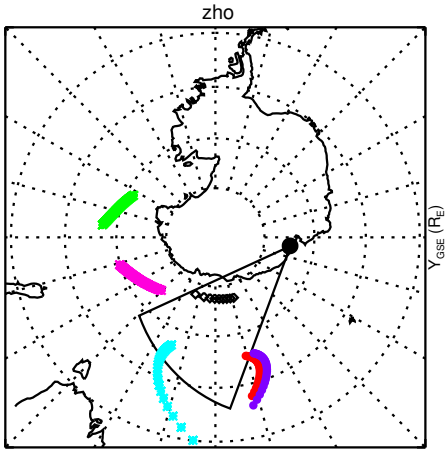


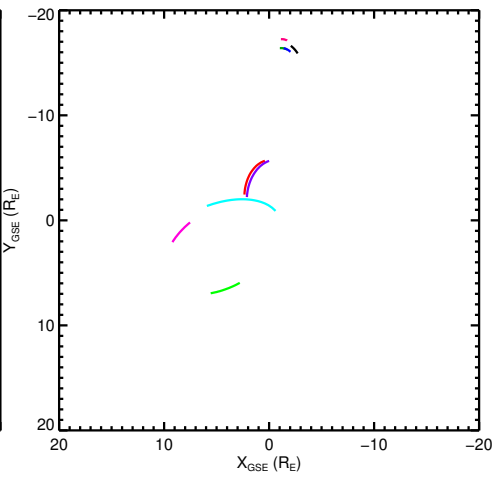


(a) 0000UT to 0235UT
adw hkw

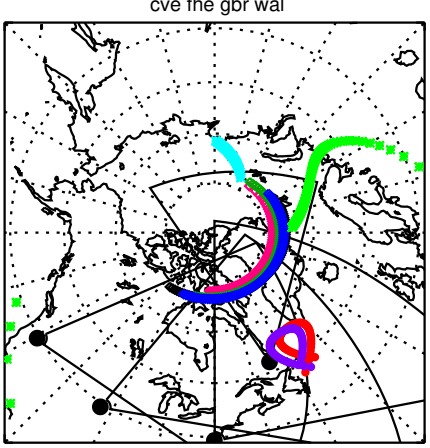


zho

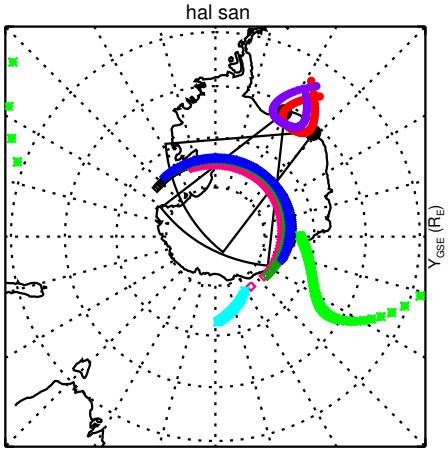


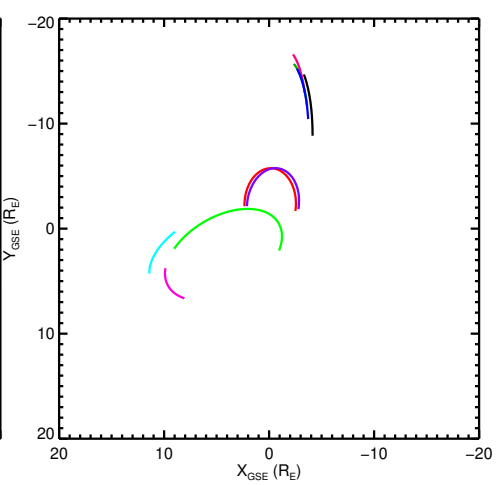


(b) 0455UT to 1140UT
cve fhe gbr wal

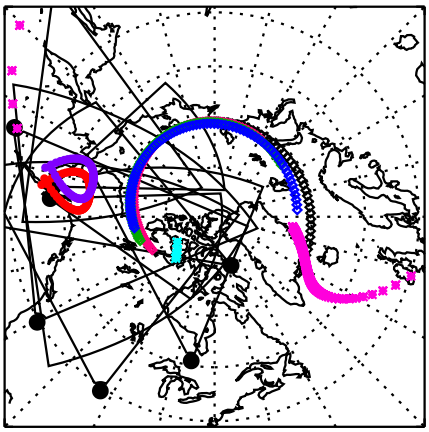


hal san

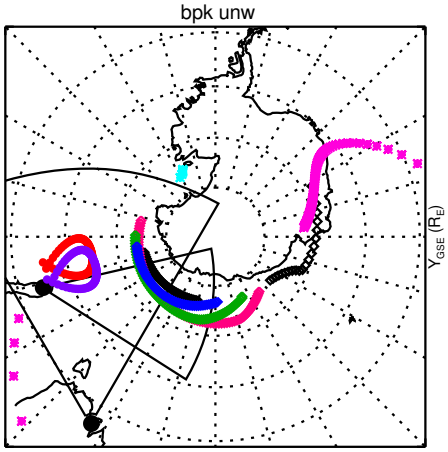


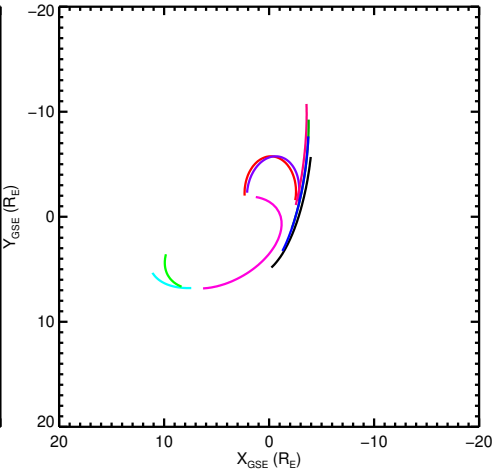


(c) 1350UT to 2040UT
ade cly cvw fhw hok kap kod ksr

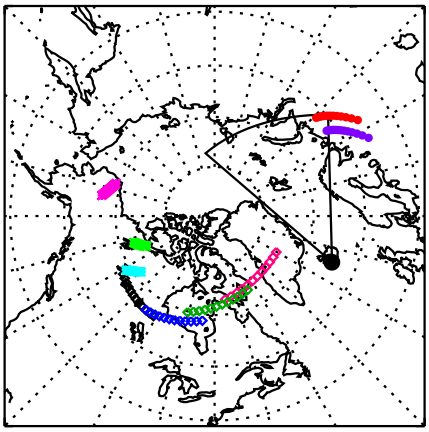


bpk unw

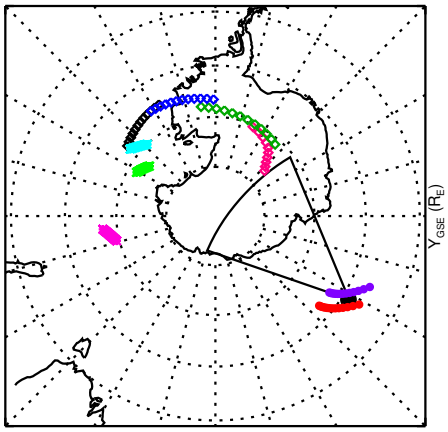


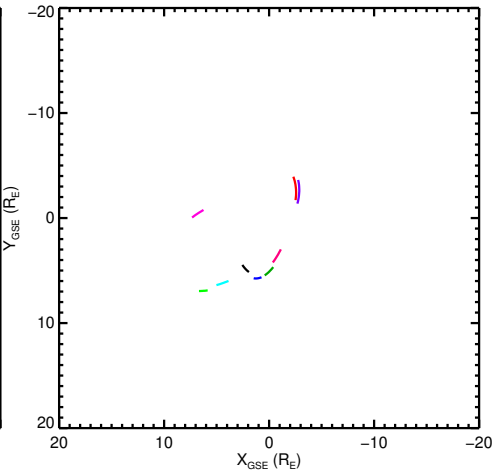


(d) 2250UT to 2355UT
pyk



ker

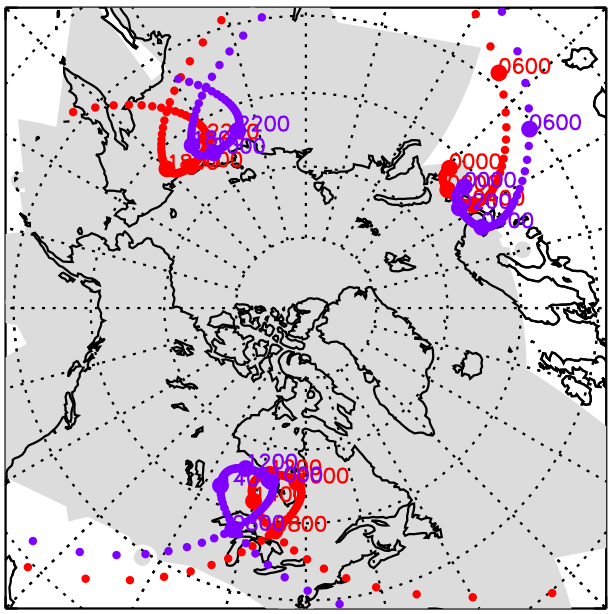


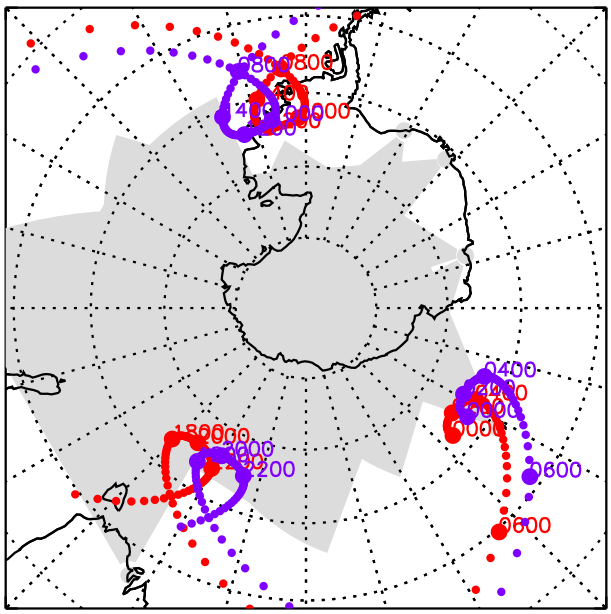


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

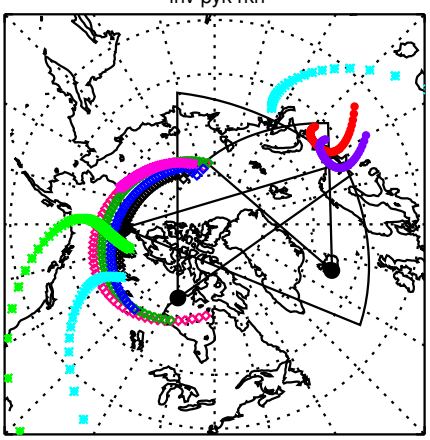
06–Jun–2016

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

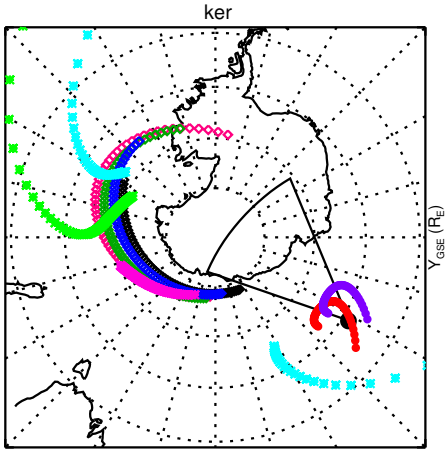


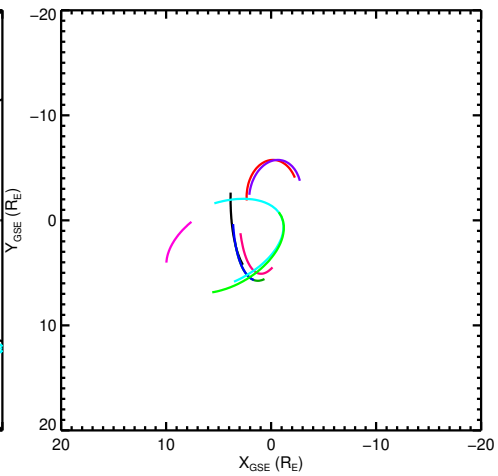


(a) 0000UT to 0540UT
inv pyk rkn

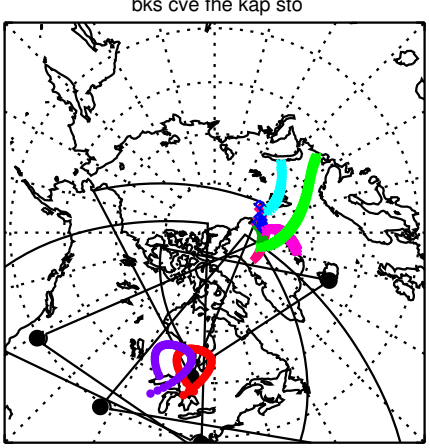


ker

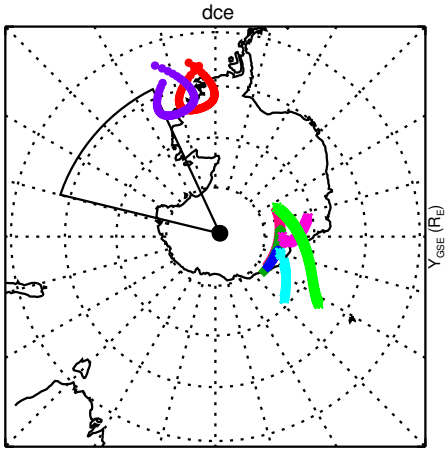


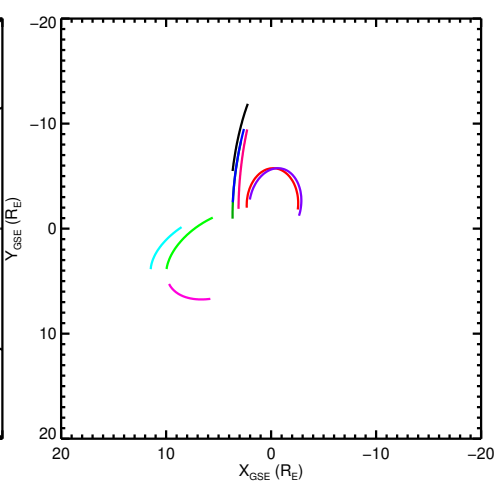


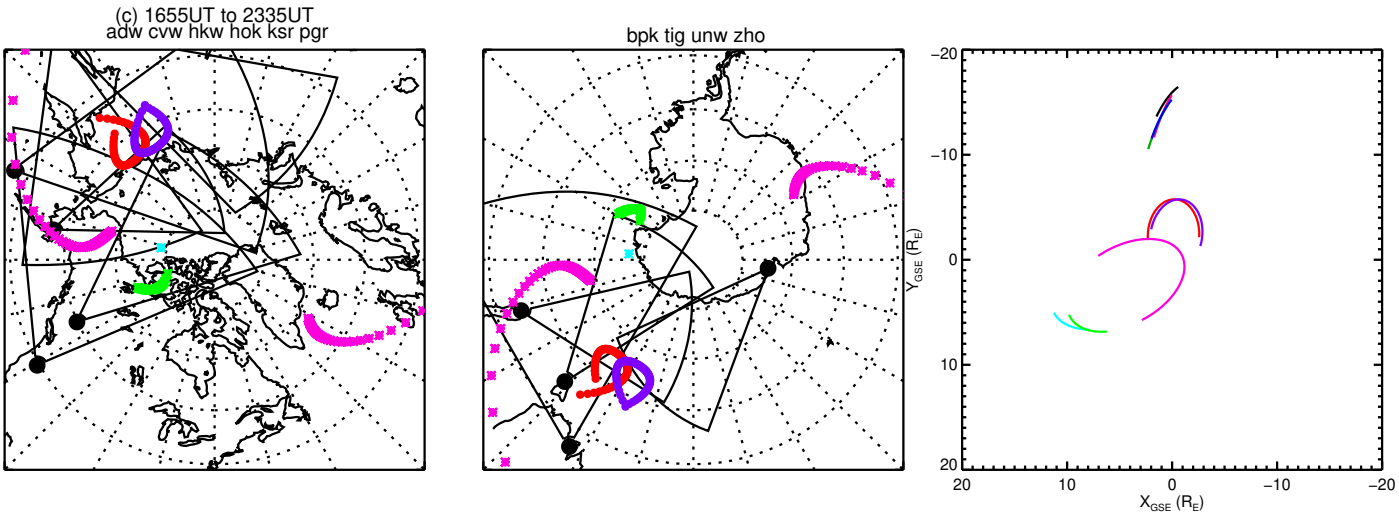
(b) 0750UT to 1435UT
bks cve fhe kap sto



dce



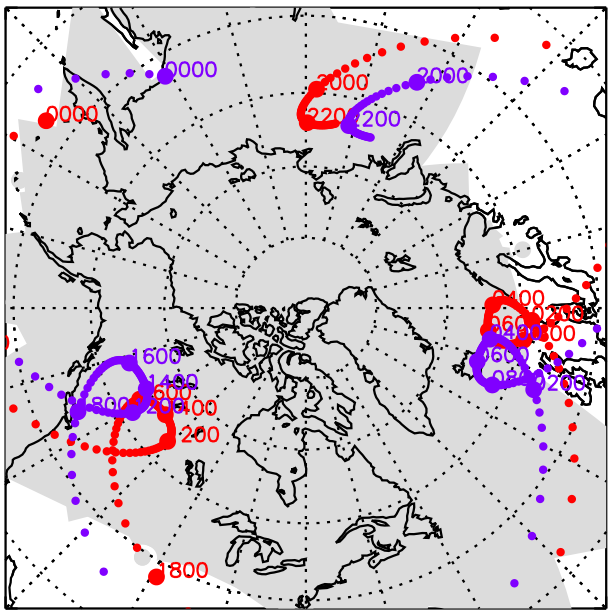


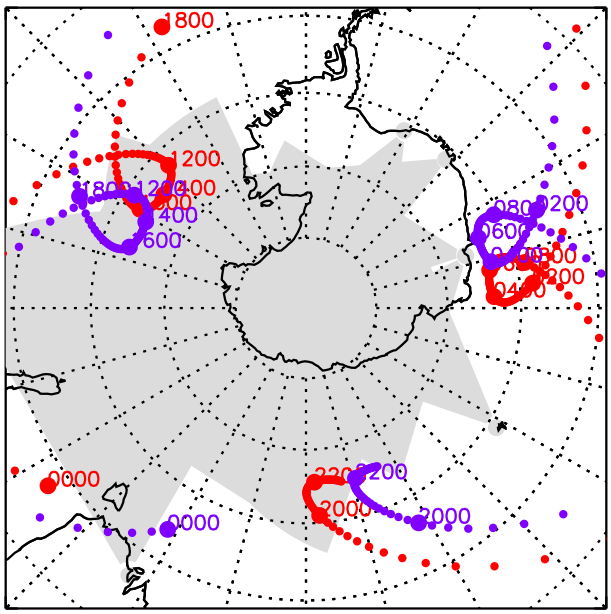

(c) 1655UT to 2335UT
adw cvw hkw hok ksr pgr
bpk tig unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

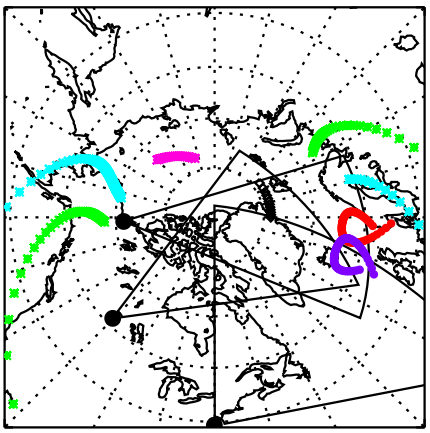
07–Jun–2016

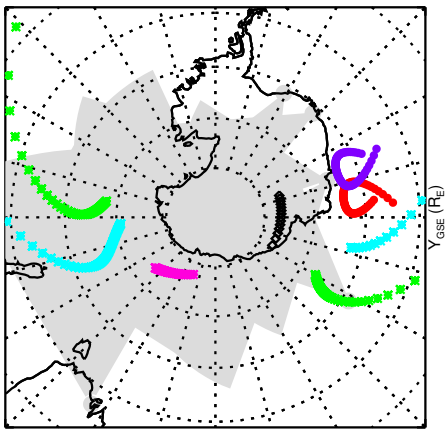
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

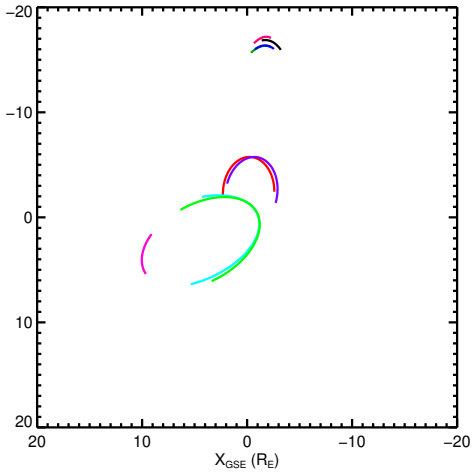




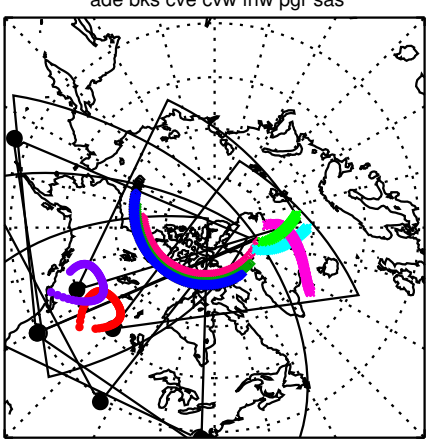
(a) 0200UT to 0830UT
inv sas wal



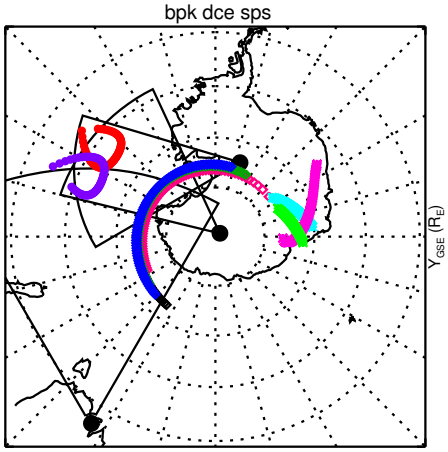


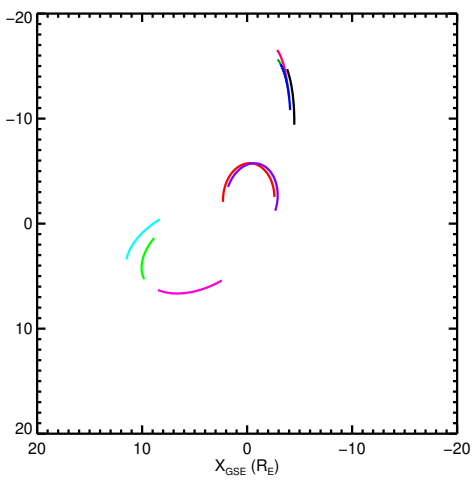


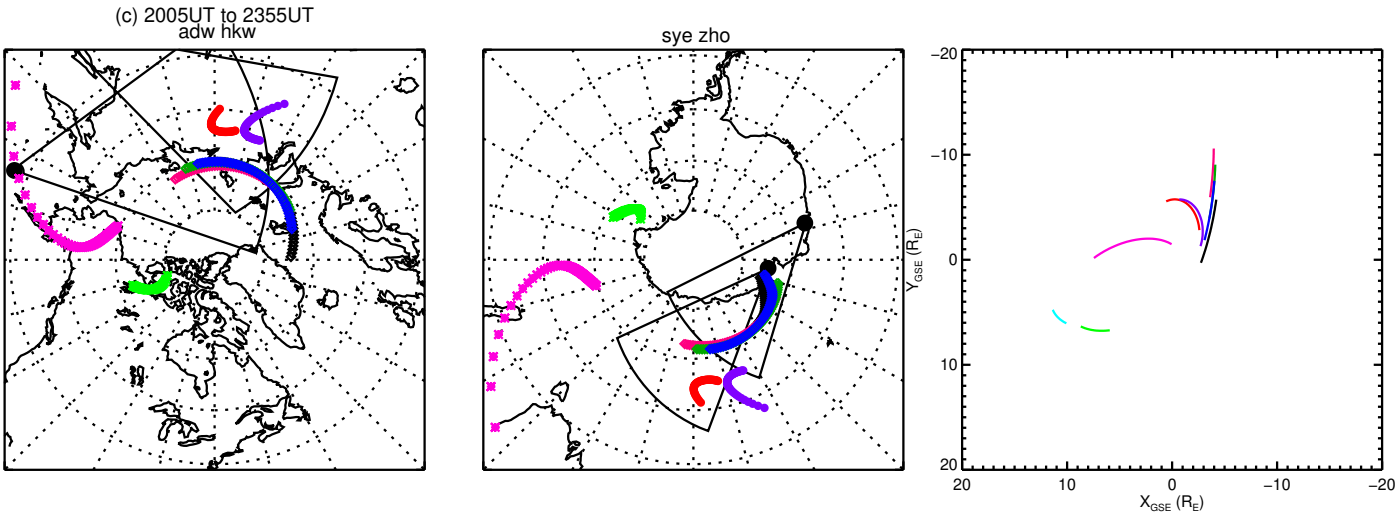
(b) 1100UT to 1725UT
ade bks cve cvw fhw pgr sas



bpk dce sps



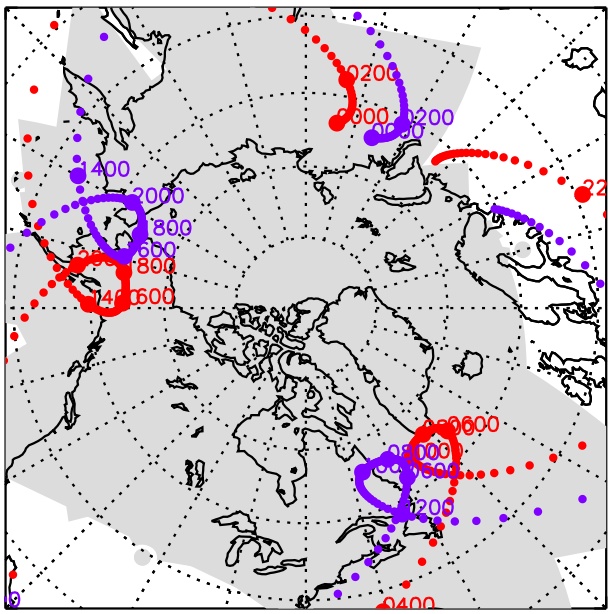


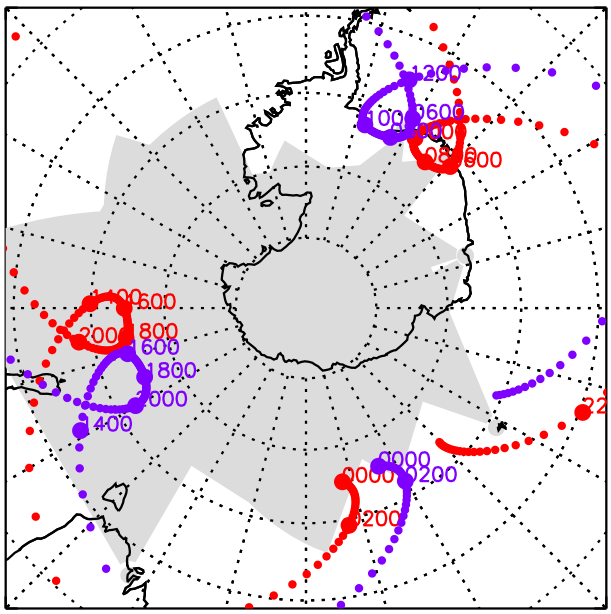

(c) 2005UT to 2355UT
adw hkw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

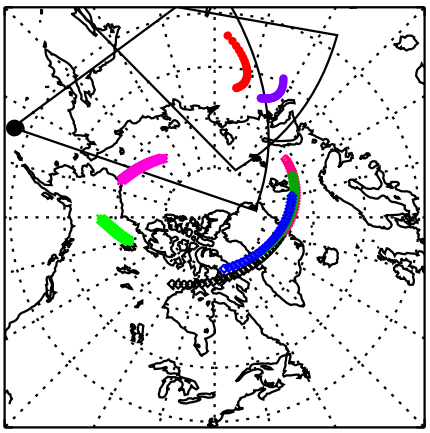
08–Jun–2016

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

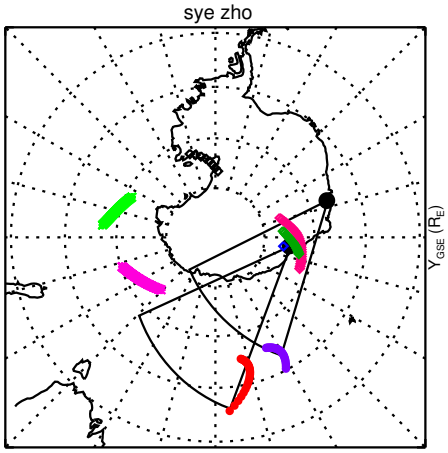


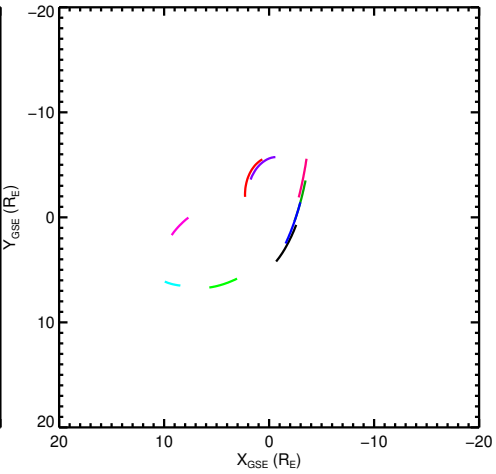


(a) 0000UT to 0225UT
adw hkw

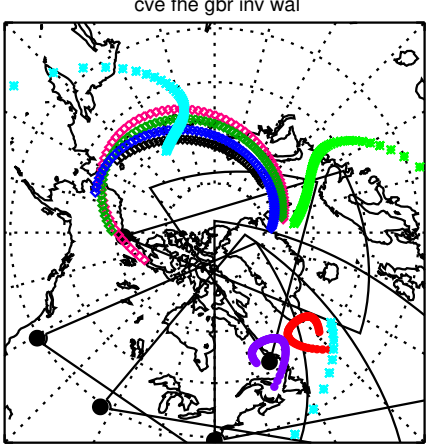


sye zho

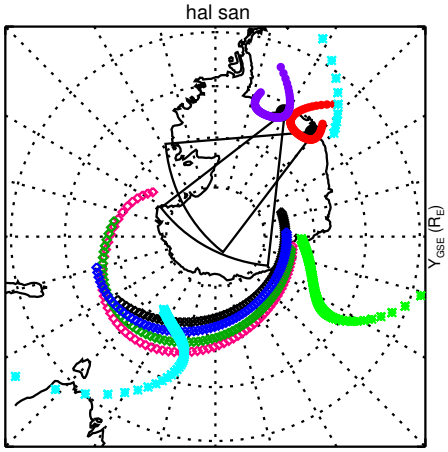


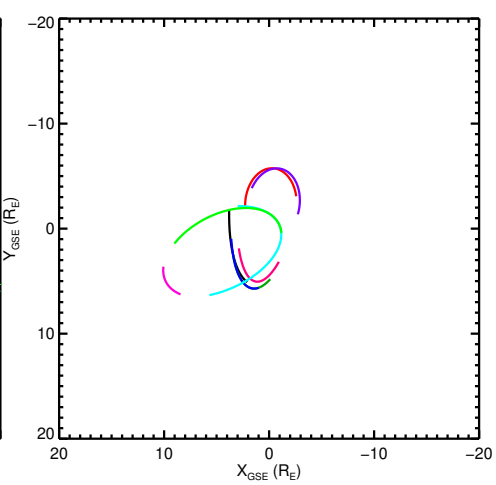


(b) 0510UT to 1120UT
cve fhe gbr inv wal

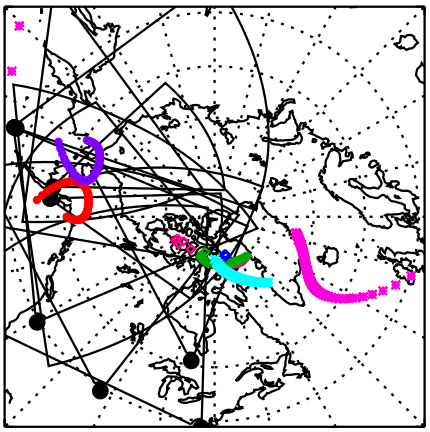


hal san

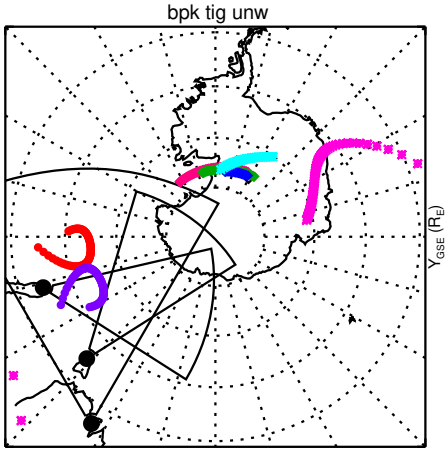


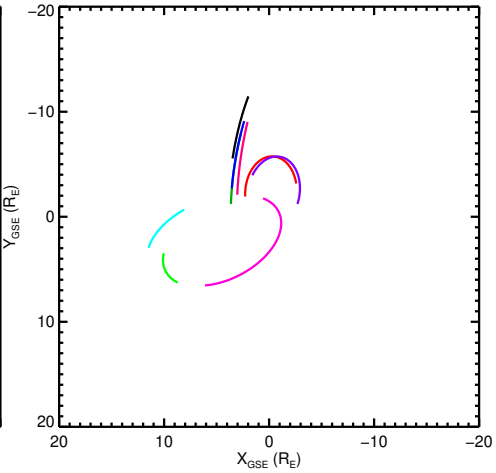


(c) 1410UT to 2020UT
ade adw bks cly cvw fhw hok kap kod ksr

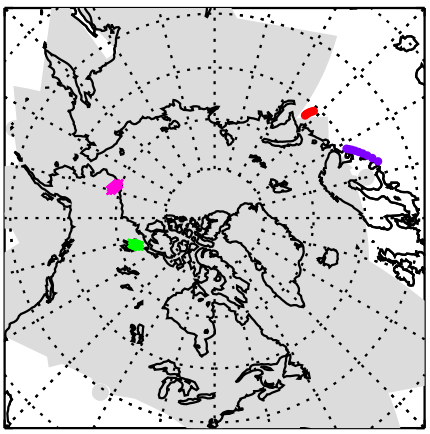


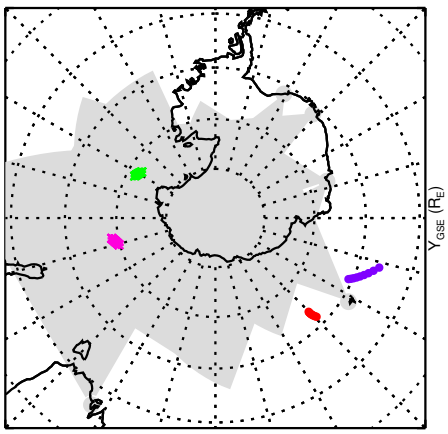
bpk tig unw

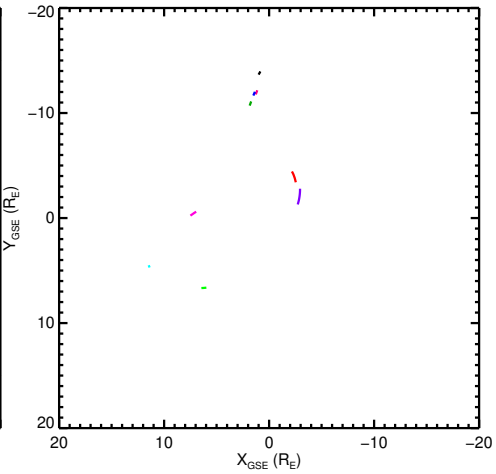




(d) 2315UT to 2355UT



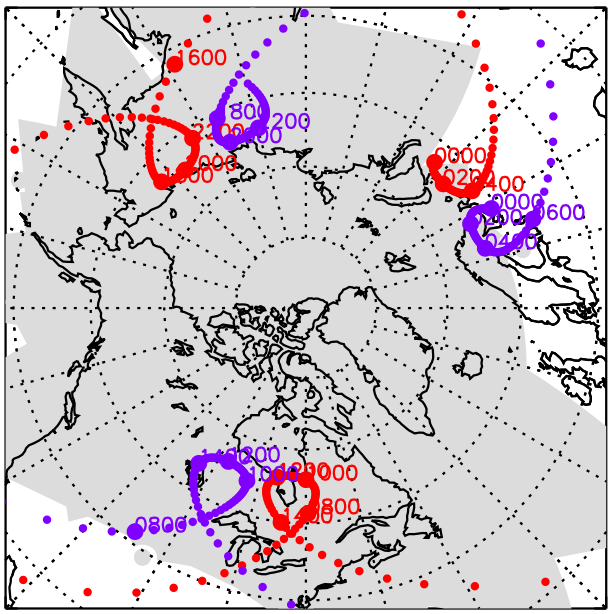


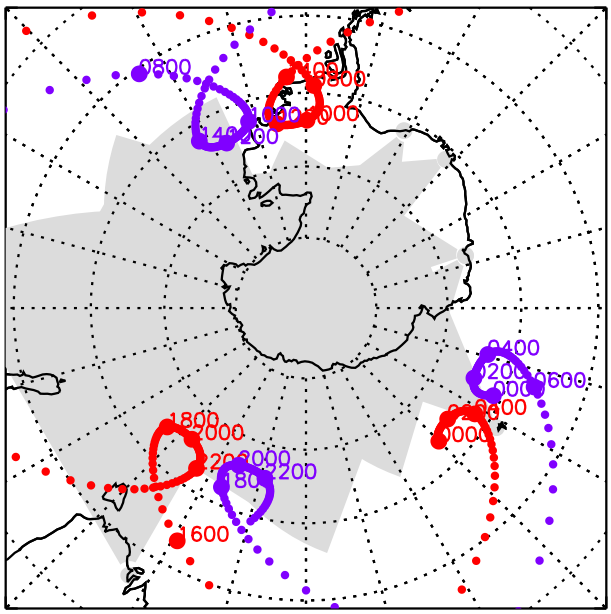


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

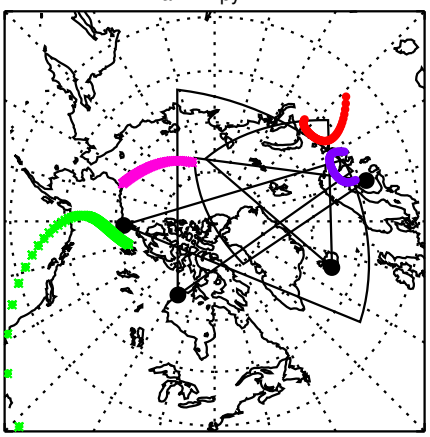
09–Jun–2016

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

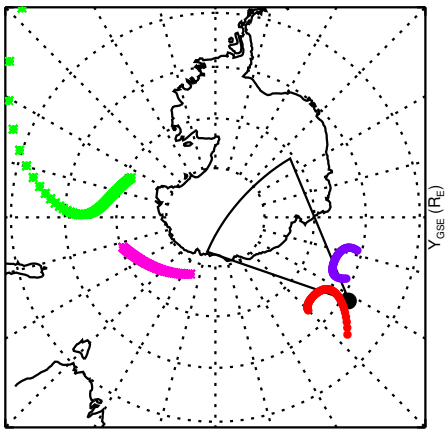


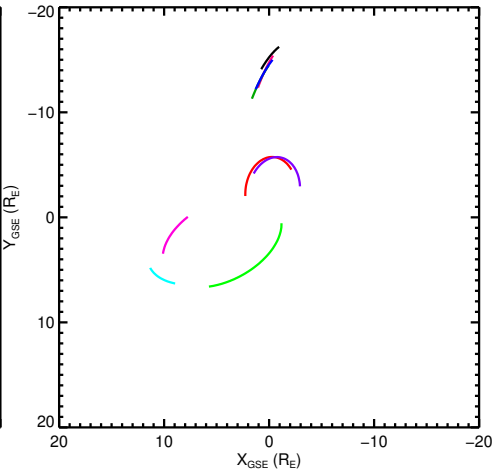


(a) 0000UT to 0515UT
han inv pyk rkn

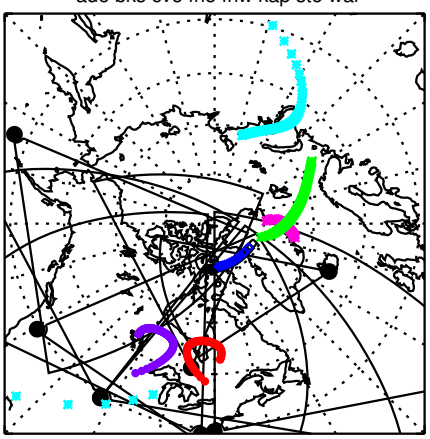


ker

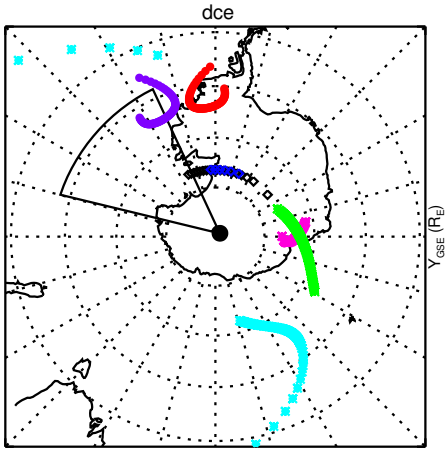


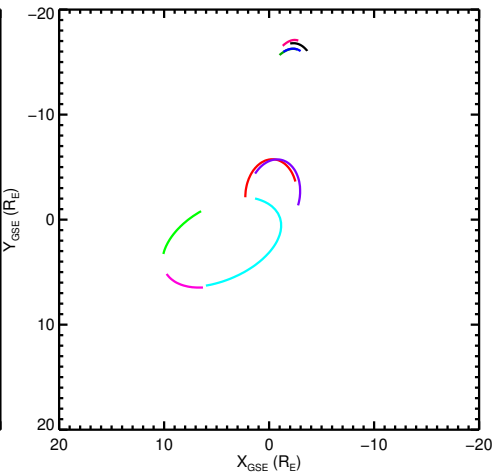


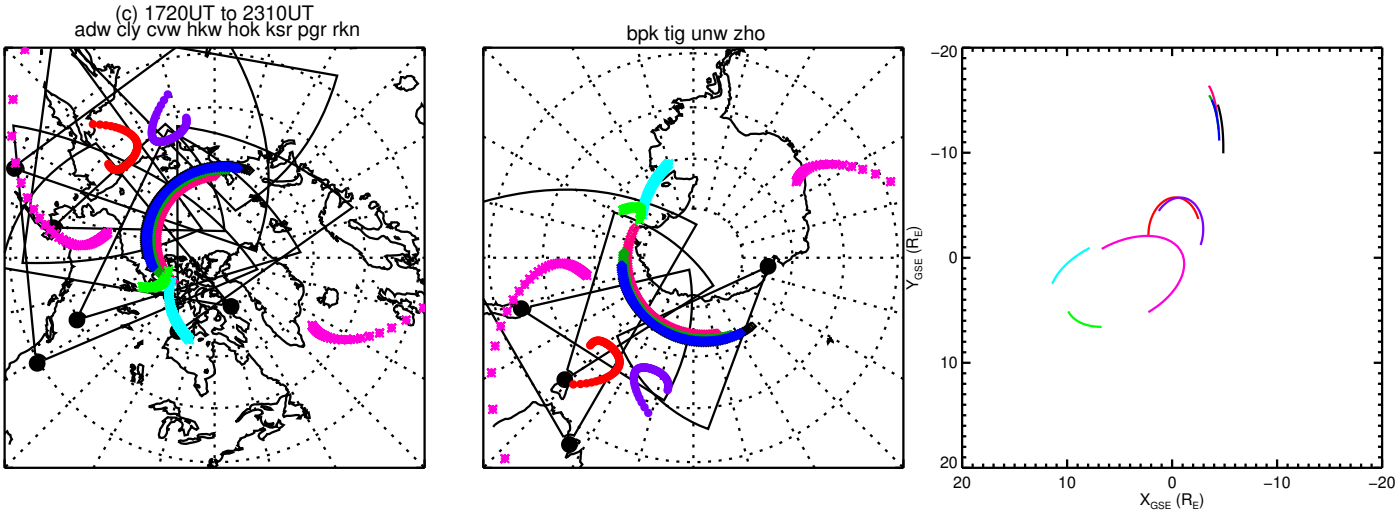
(b) 0820UT to 1410UT
ade bks cve fhe fhw kap sto wal



dce



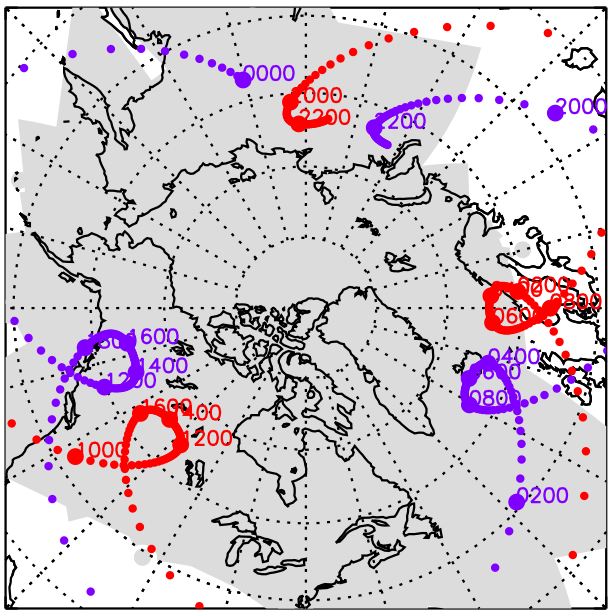


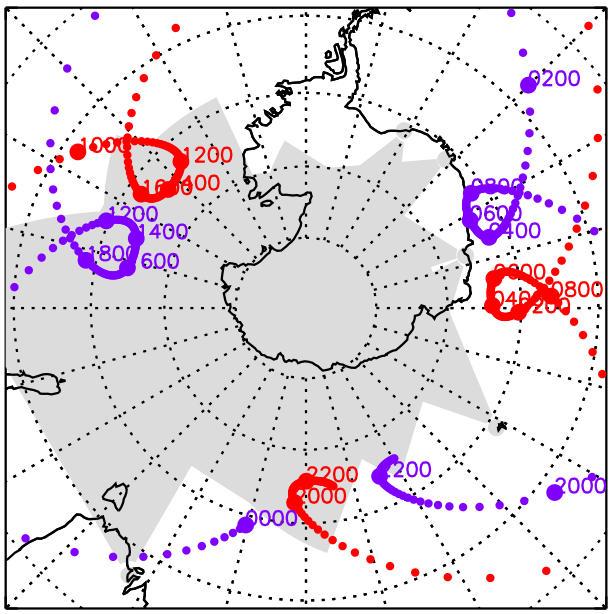

(c) 1720UT to 2310UT
adw cly cvw hkw hok ksr pgr rkn
bpk tig unw zho
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

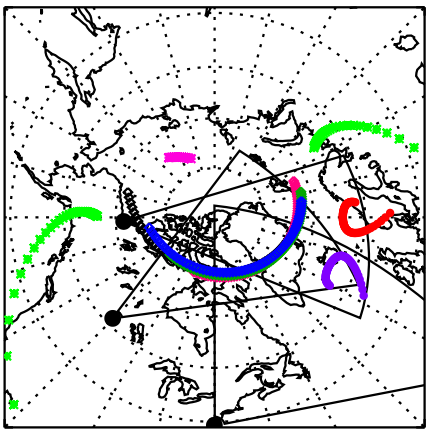
10–Jun–2016

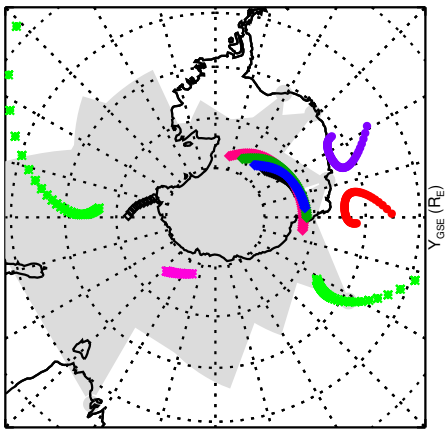
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

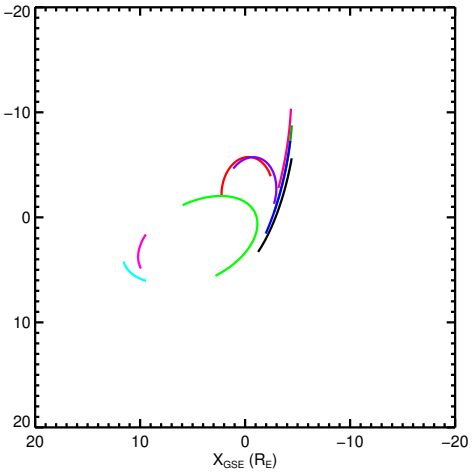




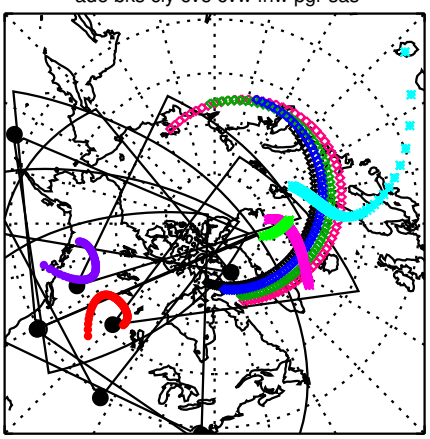
(a) 0225UT to 0805UT
inv sas wal



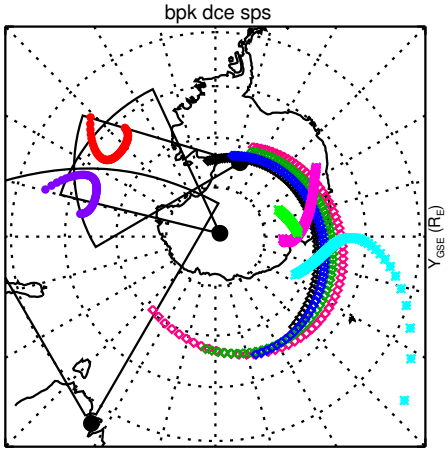


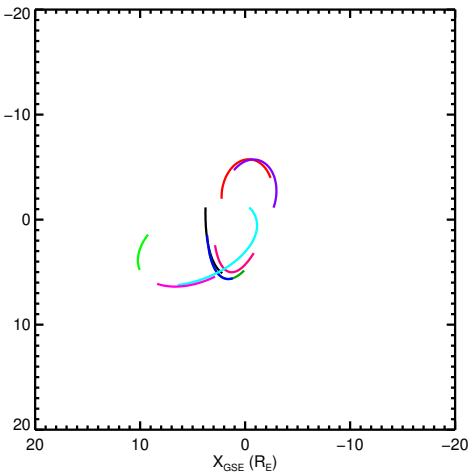


(b) 1125UT to 1705UT
ade bks cly cve cvw fhw pgr sas

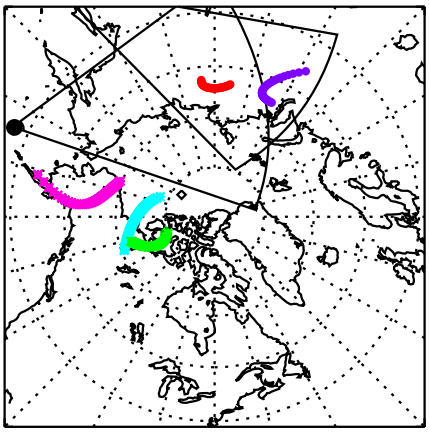


bpk dce sps

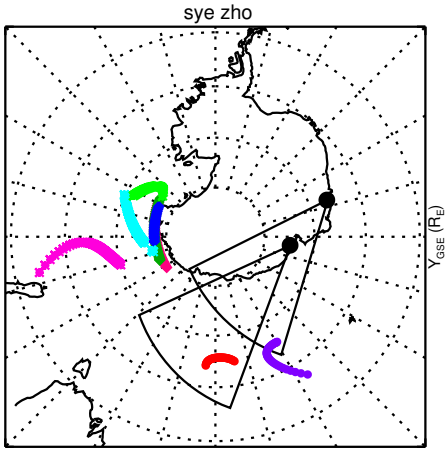


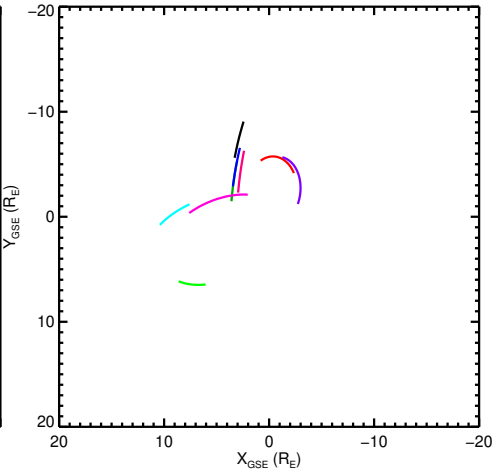


(c) 2030UT to 2355UT
adw hkw



sye zho

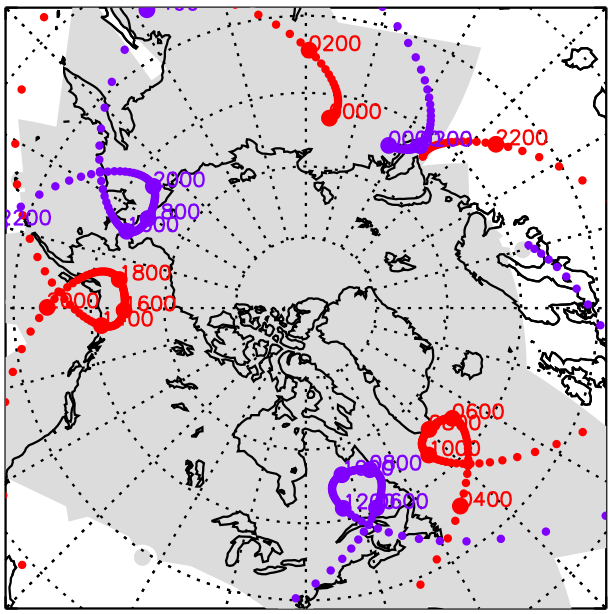


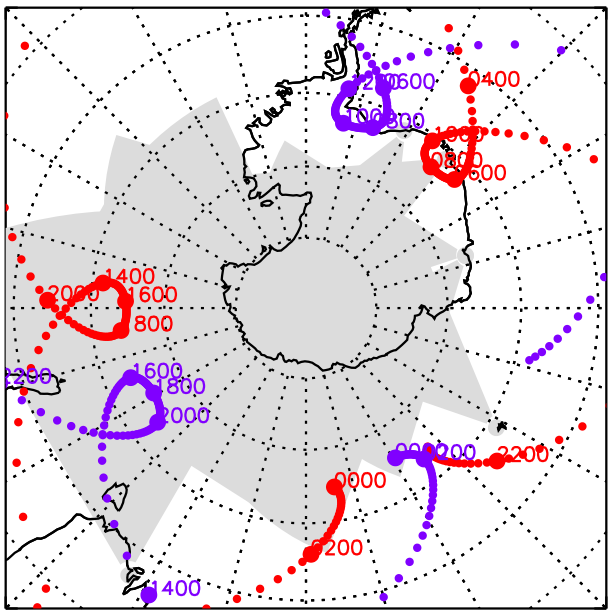


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

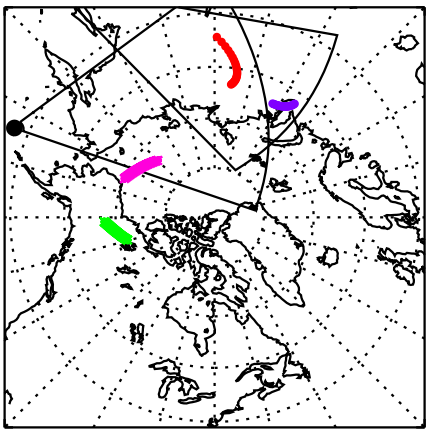
11–Jun–2016

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

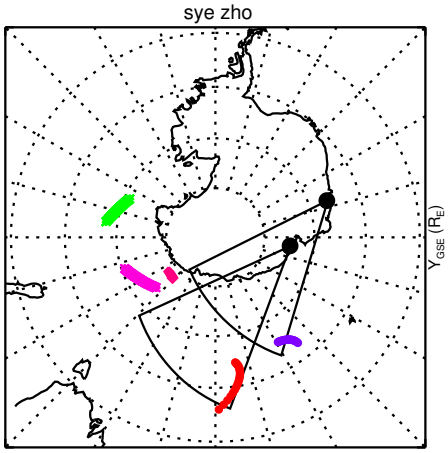


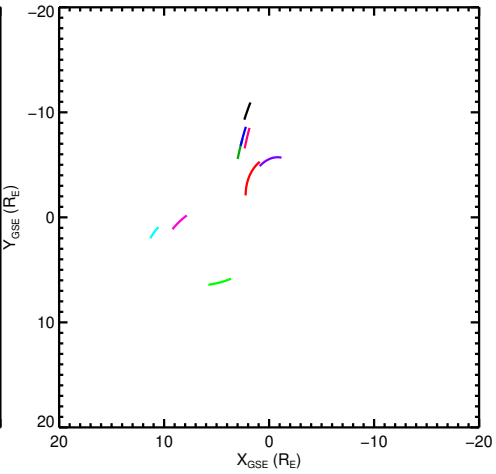


(a) 0000UT to 0200UT
adw hkw

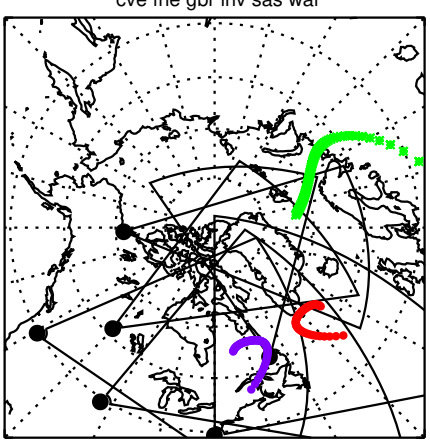


sye zho

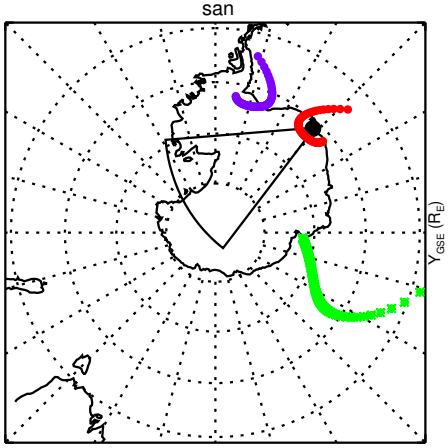


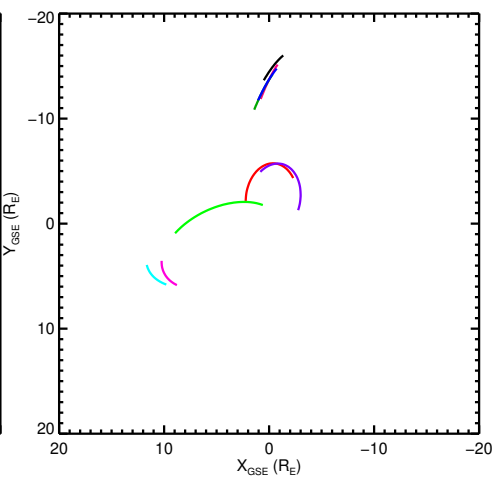


(b) 0535UT to 1100UT
cve fhe gbr inv sas wal

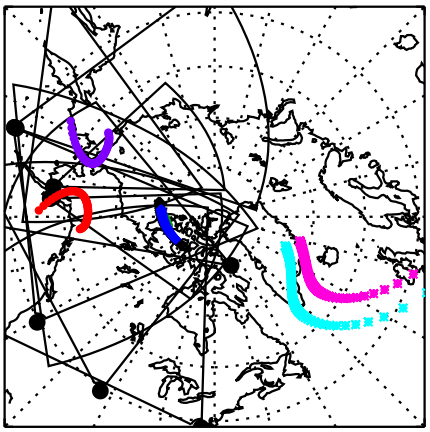


san

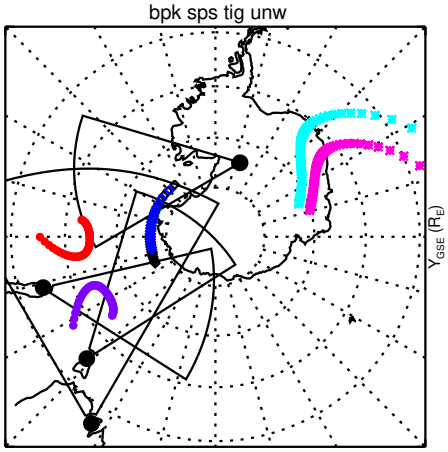


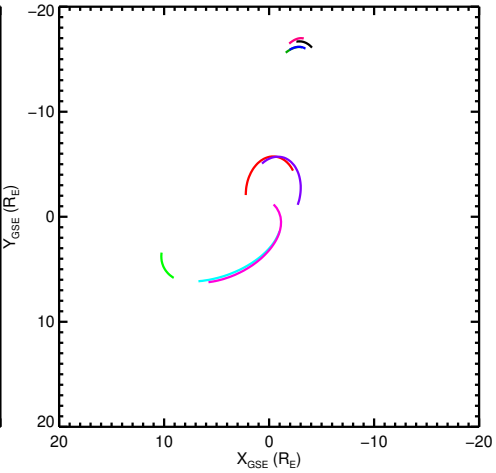


(c) 1435UT to 1955UT
ade adw bks cly cvw fhw hok kod ksr

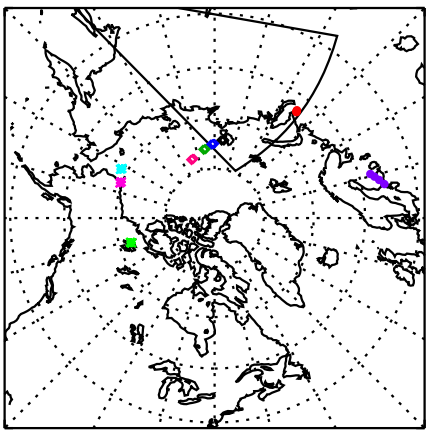


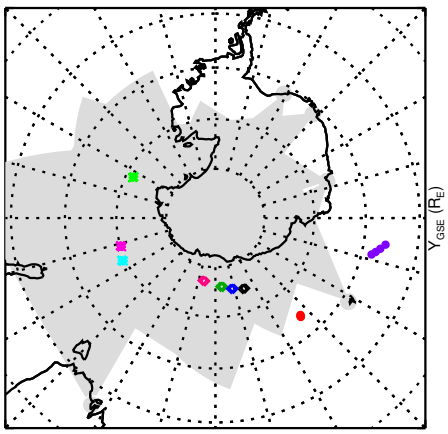
bpk sps tig unw

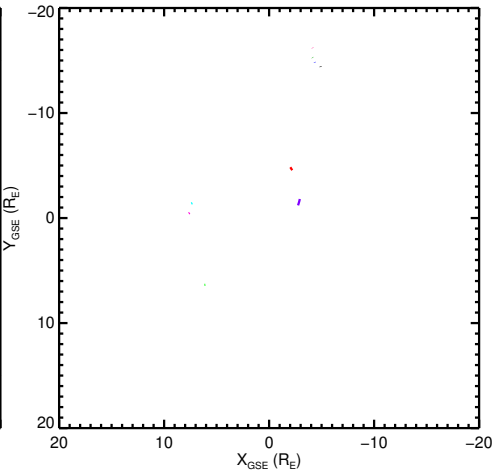




(d) 2340UT to 2355UT
hkw



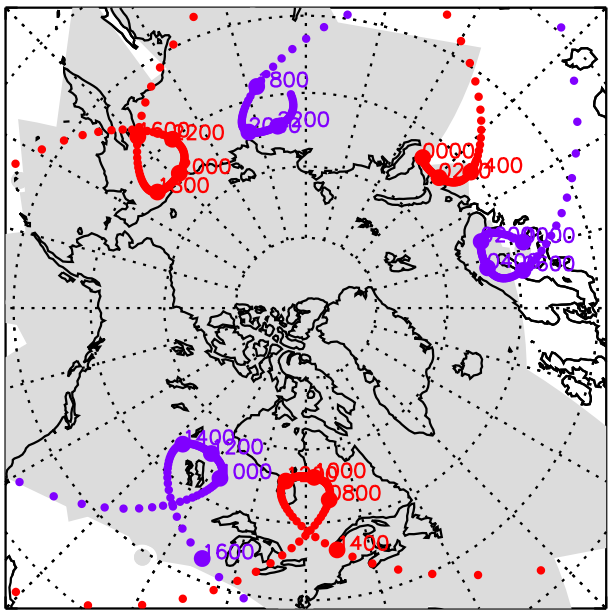


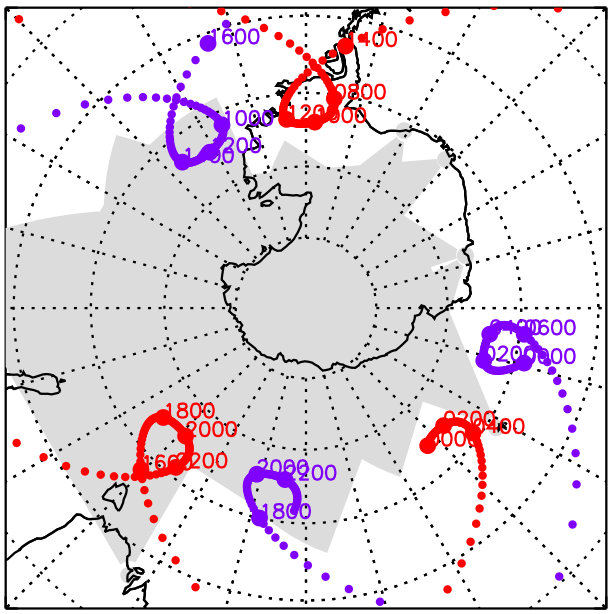


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

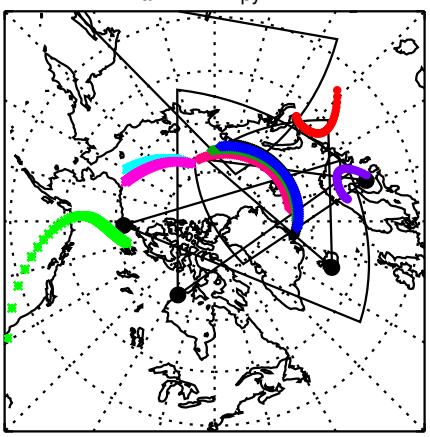
12–Jun–2016

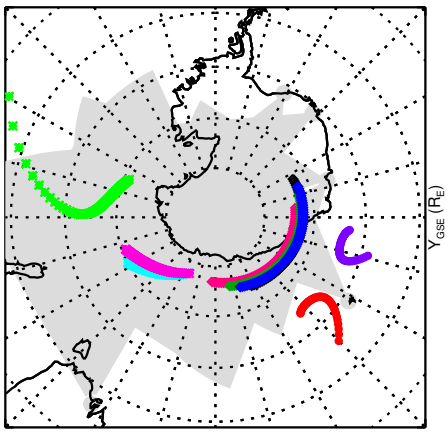
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

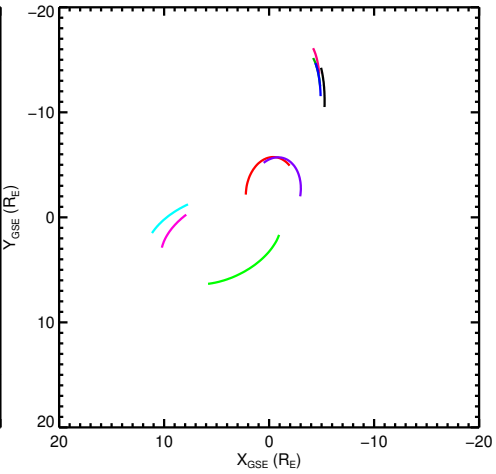




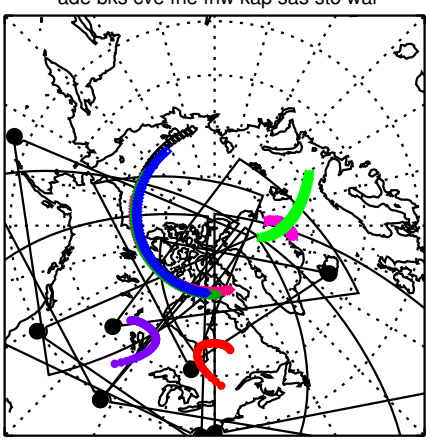
(a) 0000UT to 0450UT
han hkw inv pyk rkn



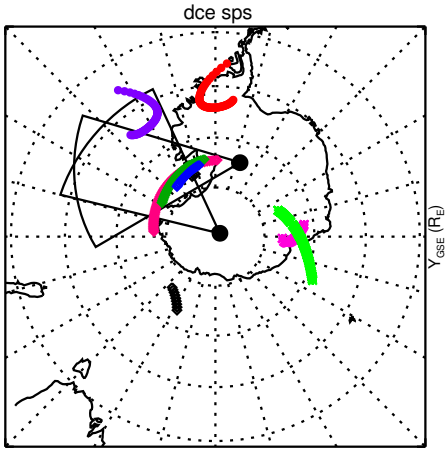


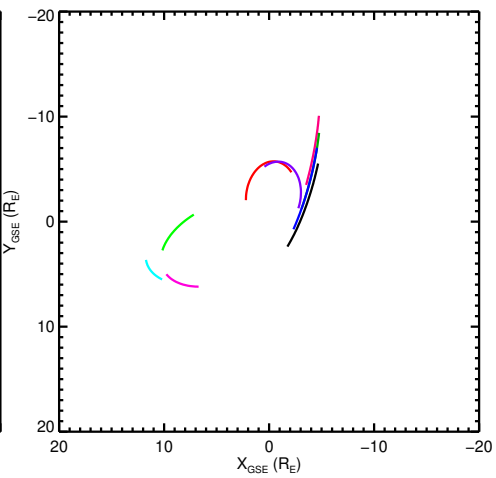


(b) 0845UT to 1350UT
ade bks cve fhe fhw kap sas sto wal

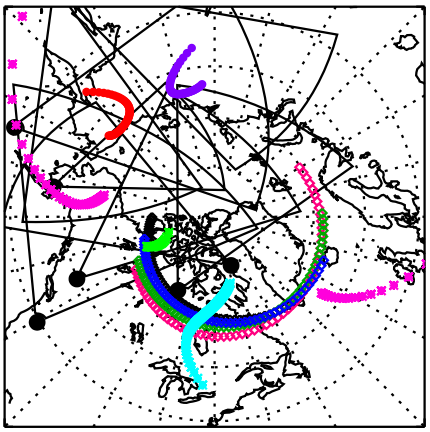


dce sps

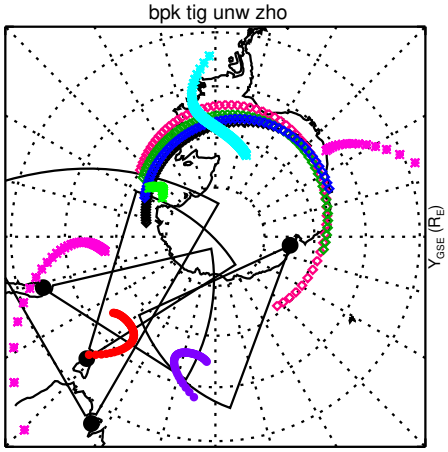


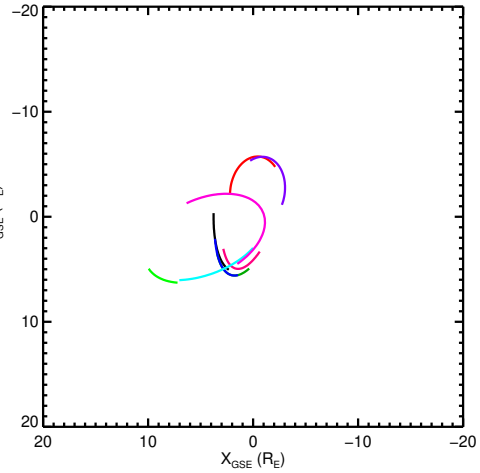


(c) 1745UT to 2245UT
adw cly cvw hkw hok ksr pgr rkn



bpk tig unw zho

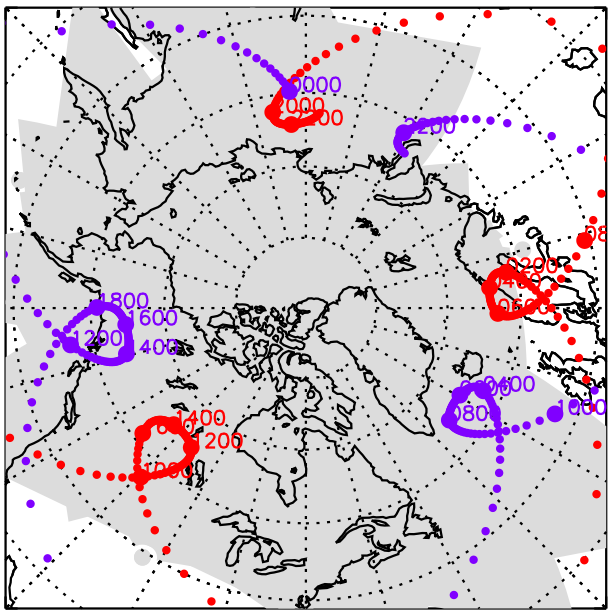


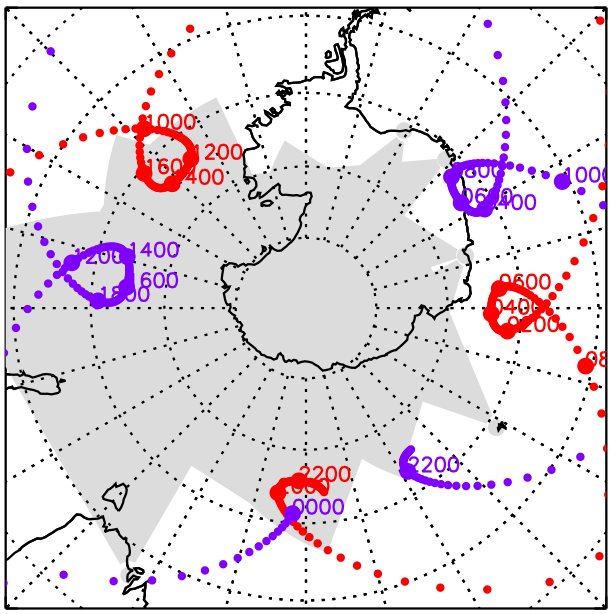


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

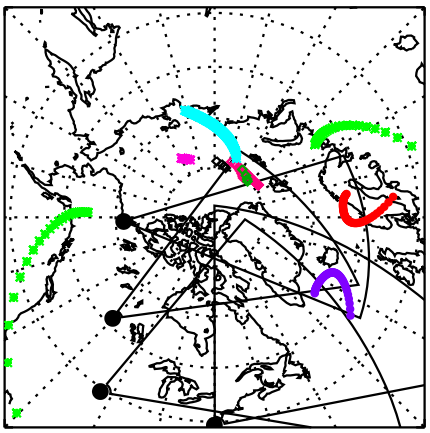
13–Jun–2016

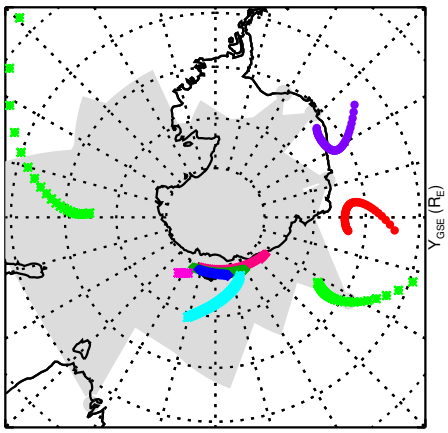
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

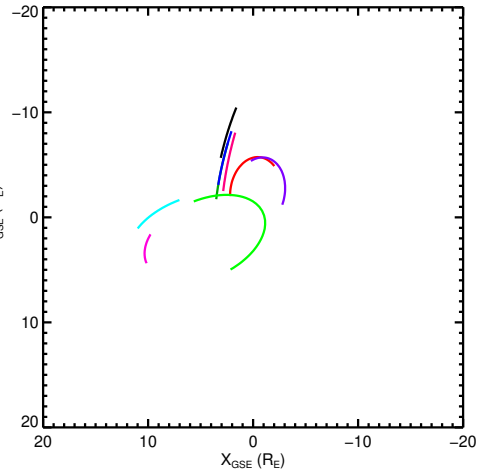




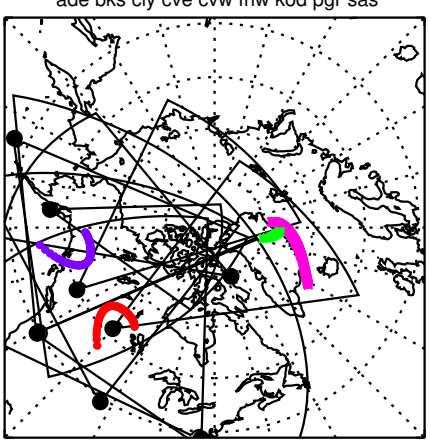
(a) 0250UT to 0745UT
fhe inv sas wal



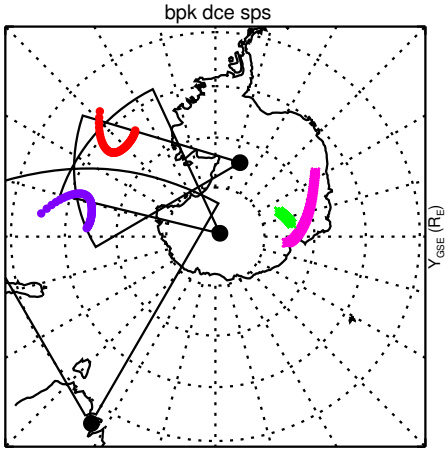


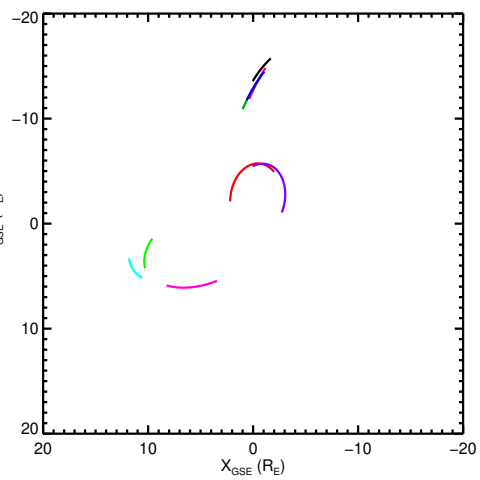


(b) 1150UT to 1640UT
ade bks cly cve cvw fhw kod pgr sas

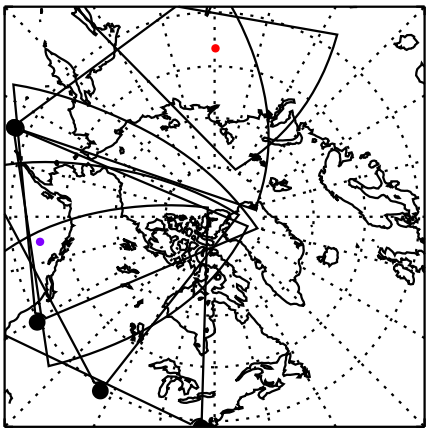


bpk dce sps

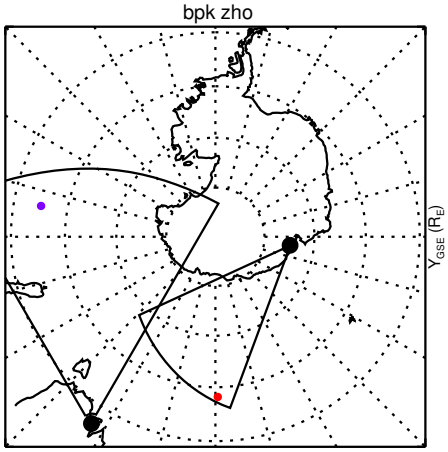


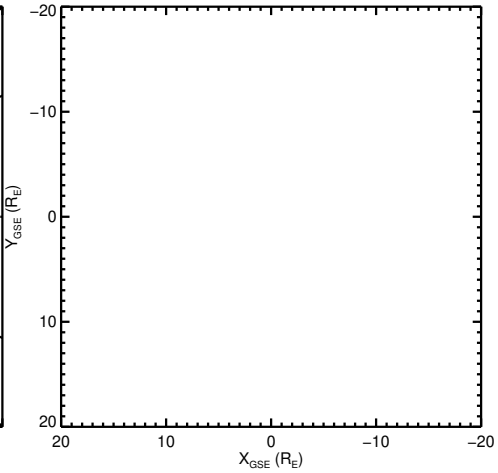


(c) 1850UT to 1850UT
ade adw bks cvw fhw hkw

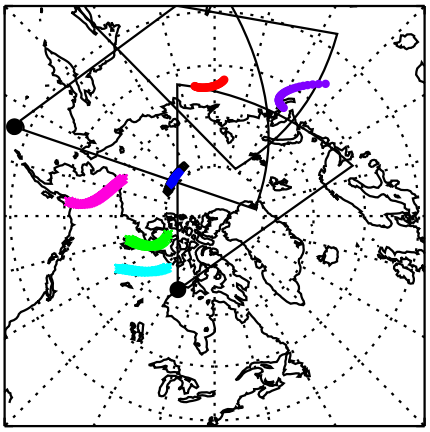


bpk zho

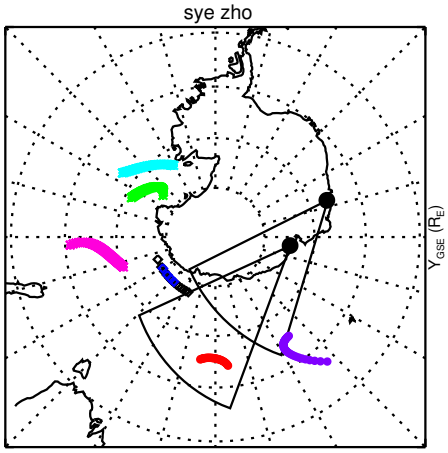


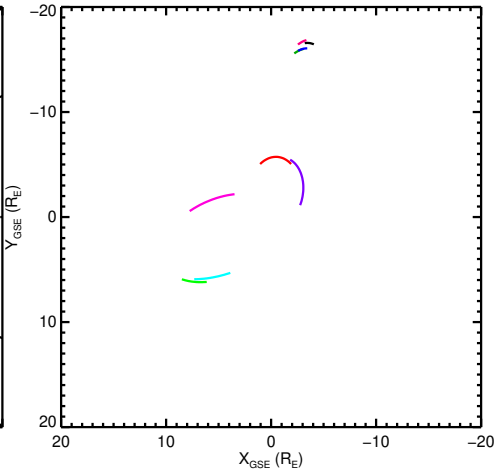


(d) 2055UT to 2355UT
adw hkw rkn



sye zho

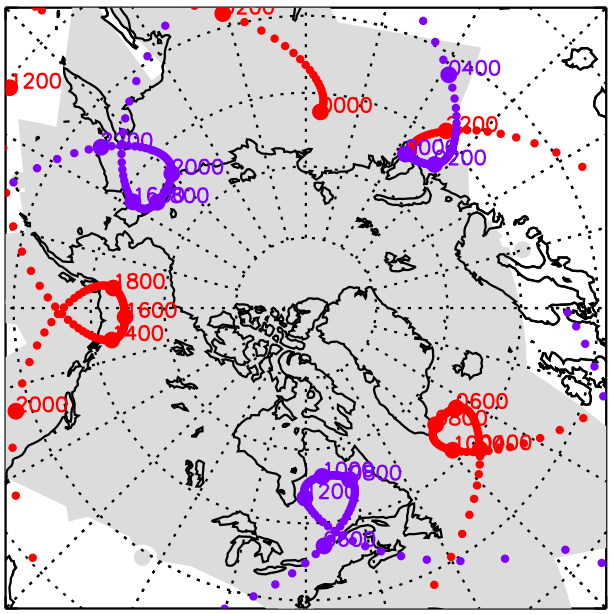


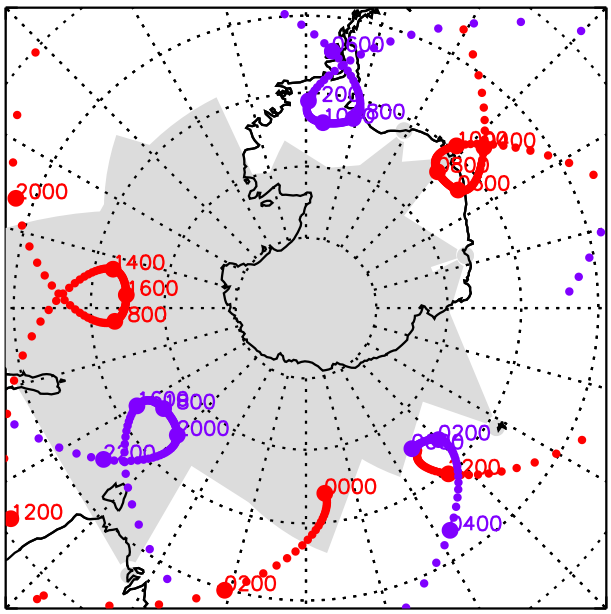


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

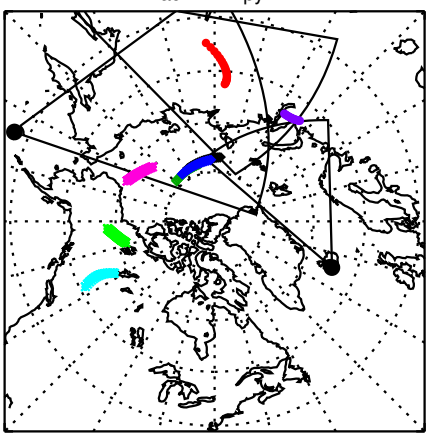
14–Jun–2016

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

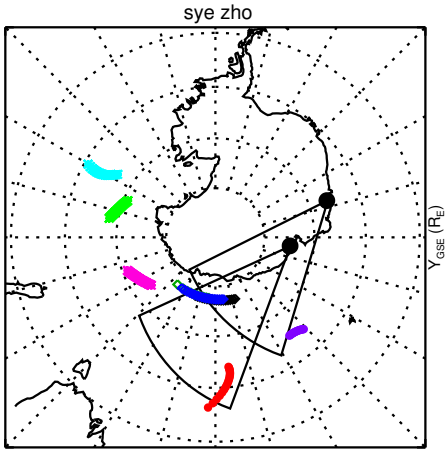


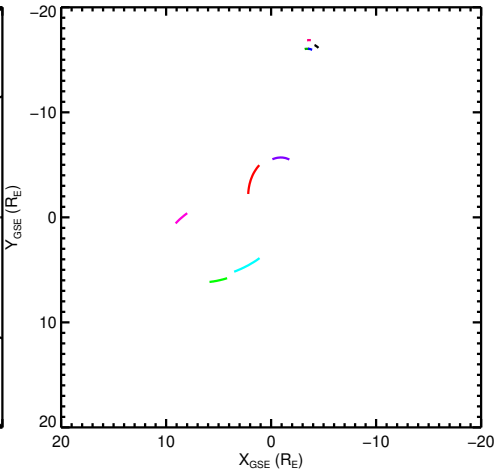


(a) 0000UT to 0135UT
adw hkw pyk

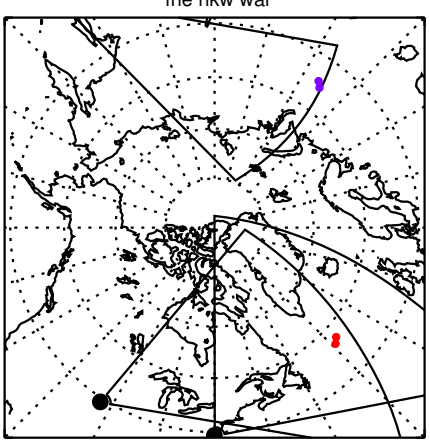


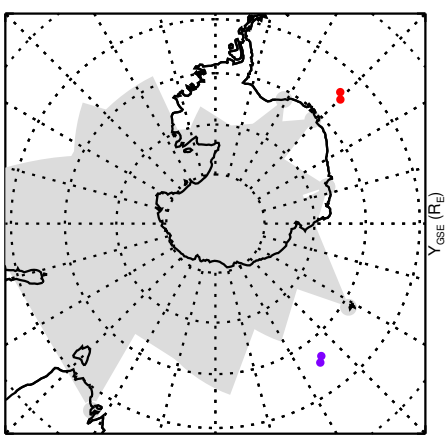
sye zho

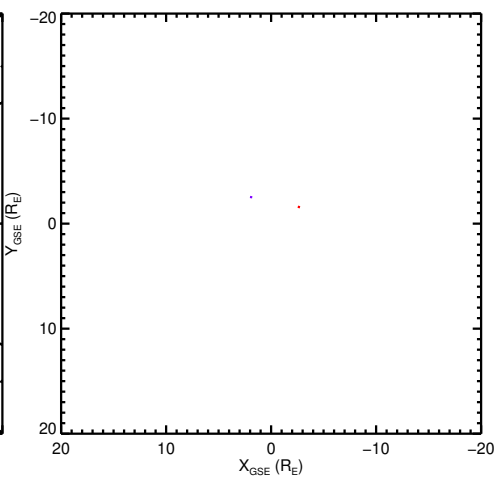




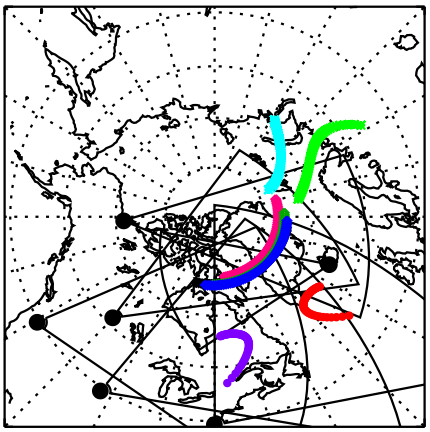
(b) 0345UT to 0350UT
fhe hkw wal



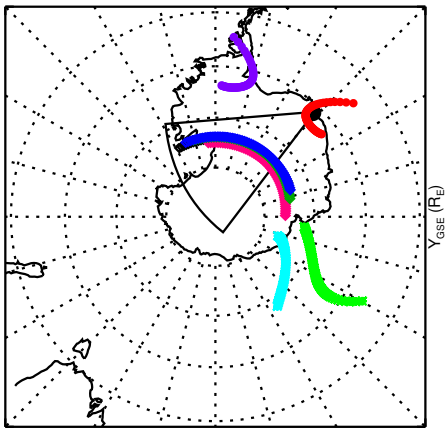


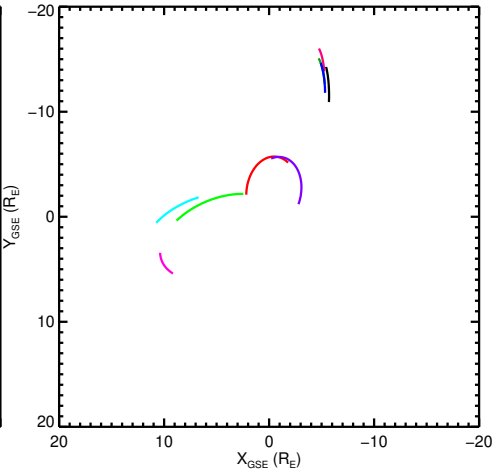


(c) 0600UT to 1035UT
cve fhe inv sas sto wal

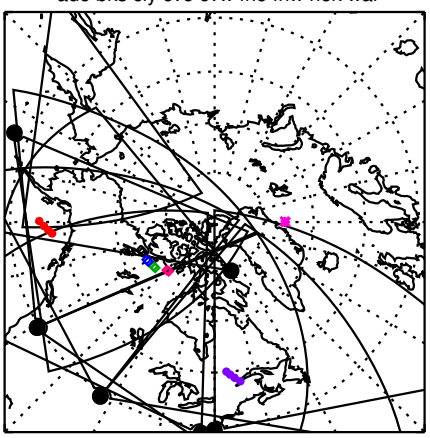


san

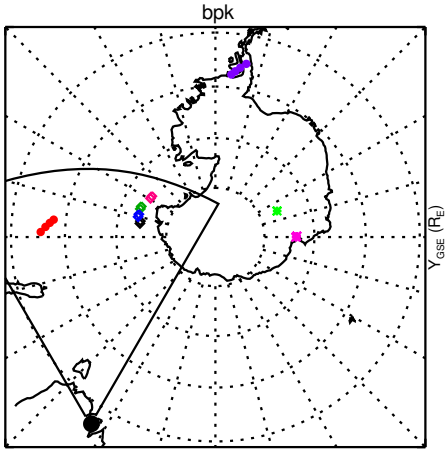


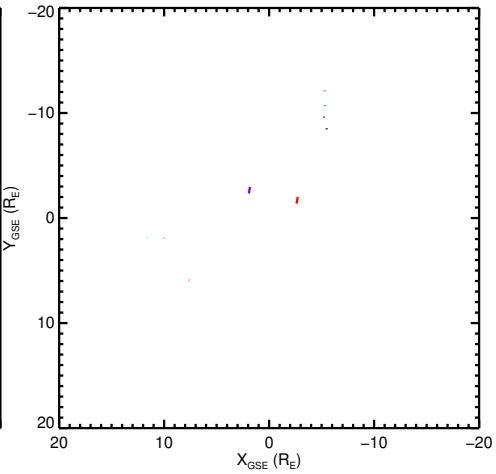


(d) 1240UT to 1255UT
ade bks cly cve cvw fhe fhw hok wal

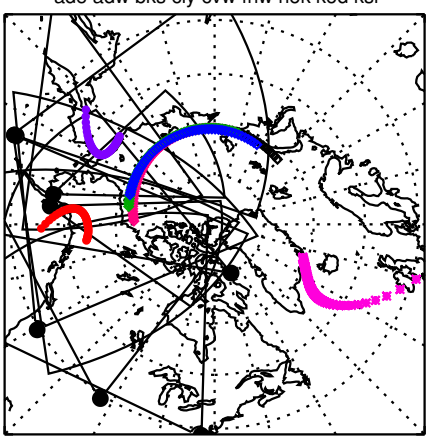


bpk

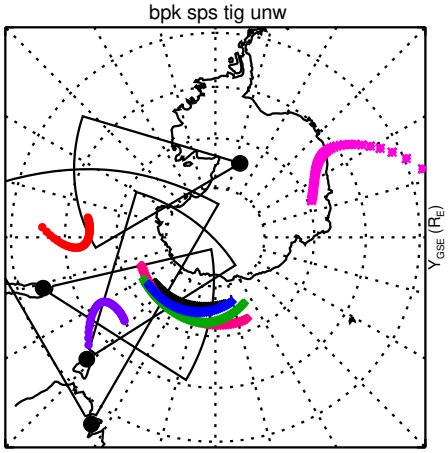


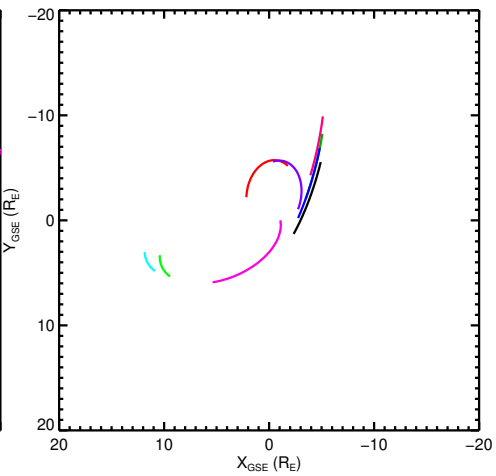


(e) 1500UT to 1930UT
ade adw bks cly cvw fhw hok kod ksr

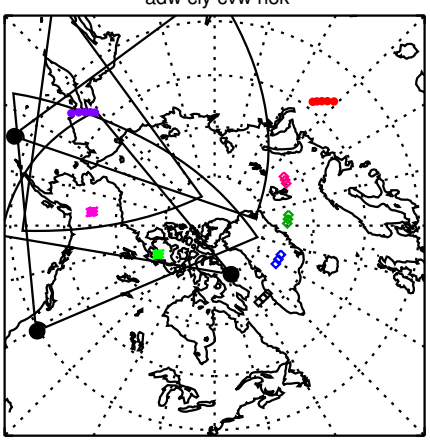


bpk sps tig unw

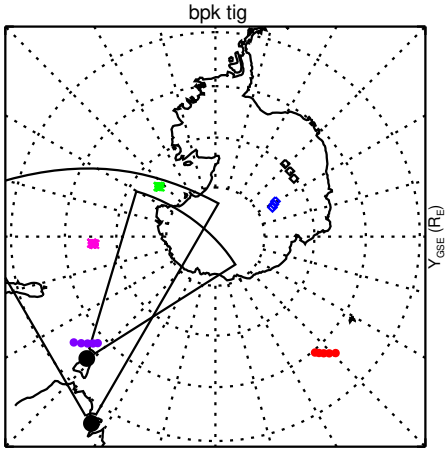


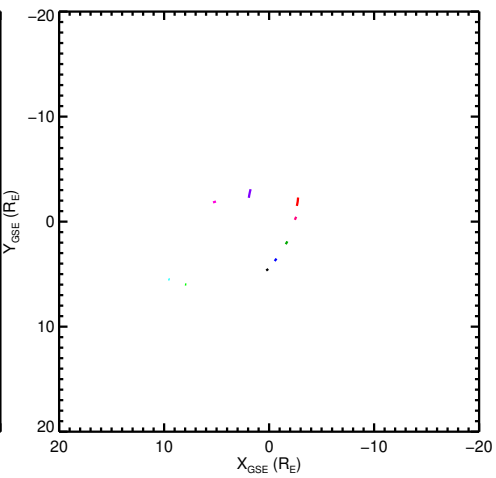


(f) 2140UT to 2200UT
adw cly cvw hok



bpk tig

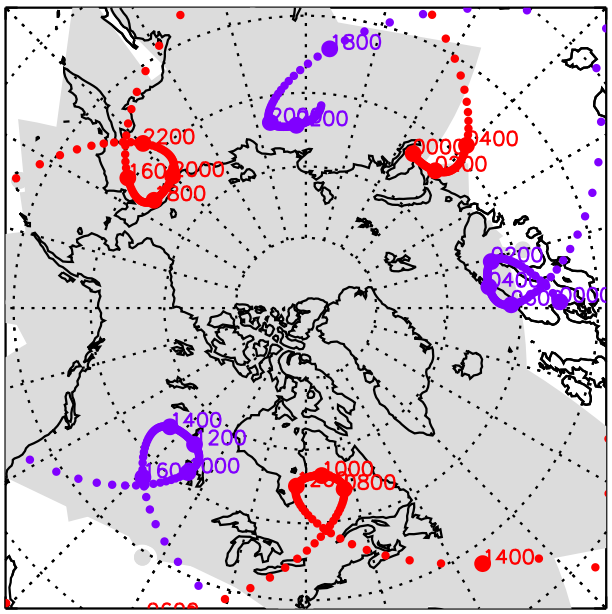


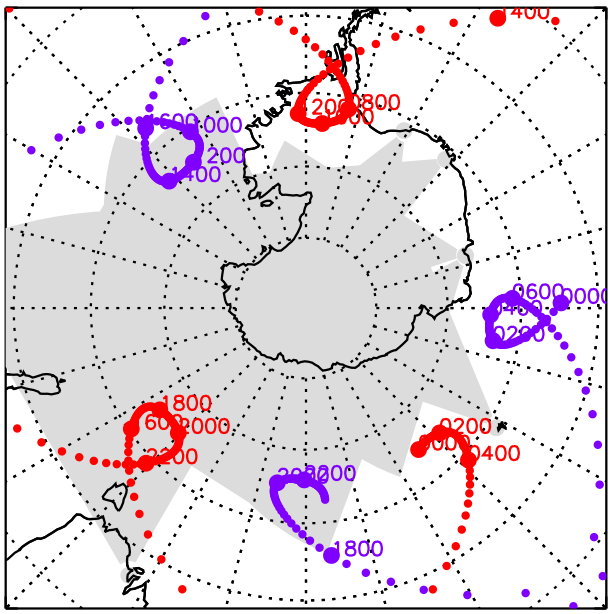


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

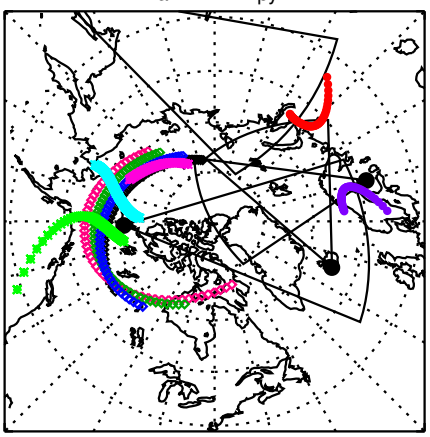
15–Jun–2016

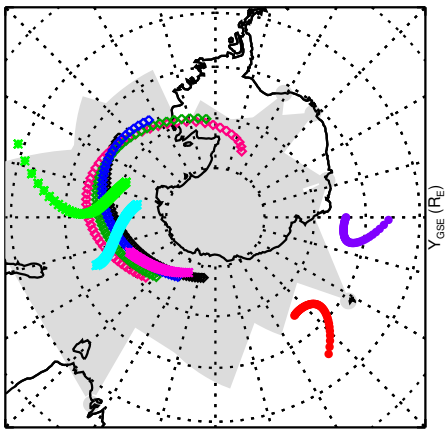
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

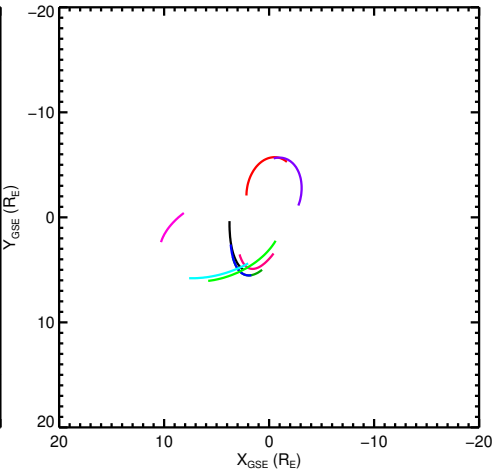




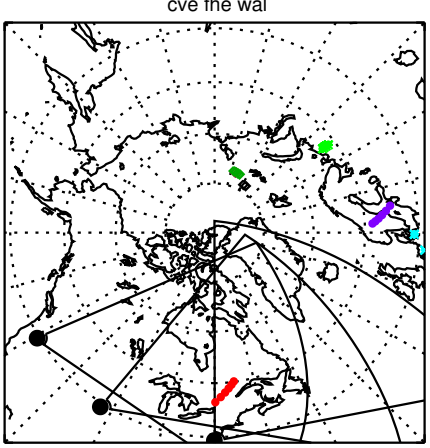
(a) 0005UT to 0430UT
han hkw inv pyk

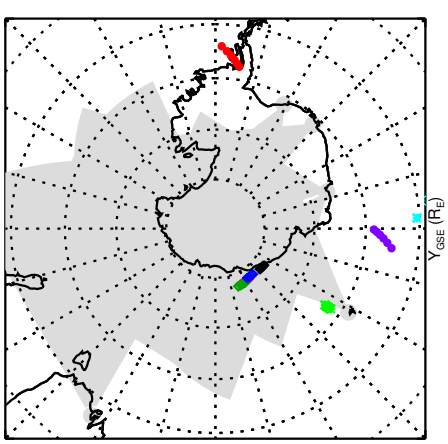


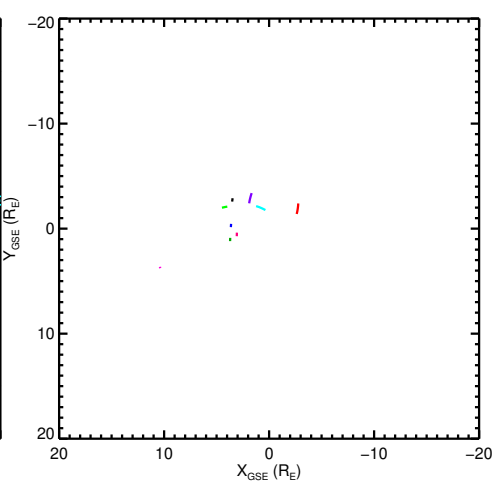




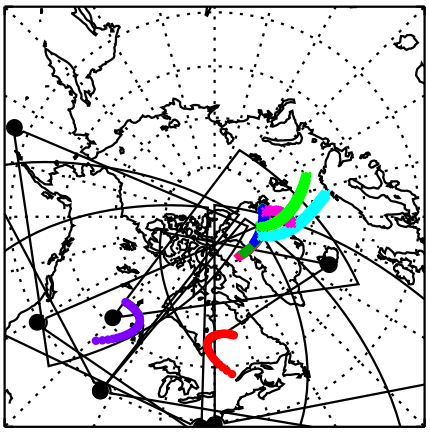
(b) 0635UT to 0700UT
cve fhe wal



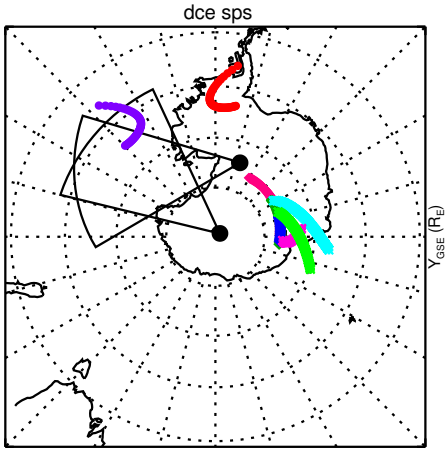


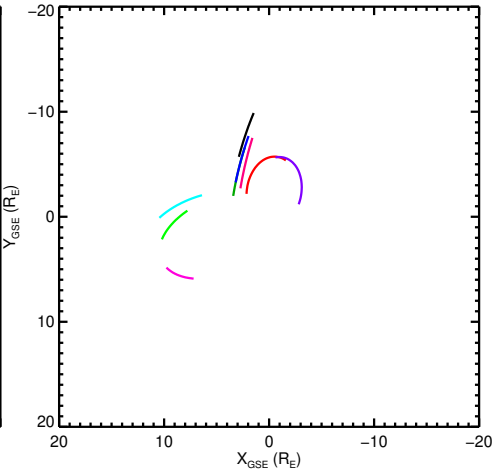


(c) 0910UT to 1325UT
ade bks cve fhe fhw sas sto wal

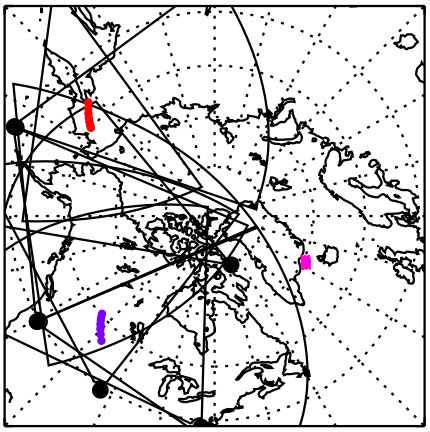


dce sps

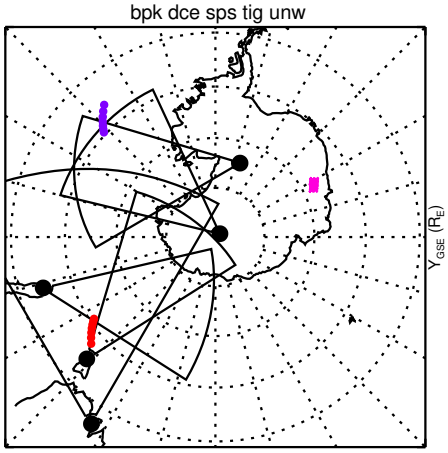


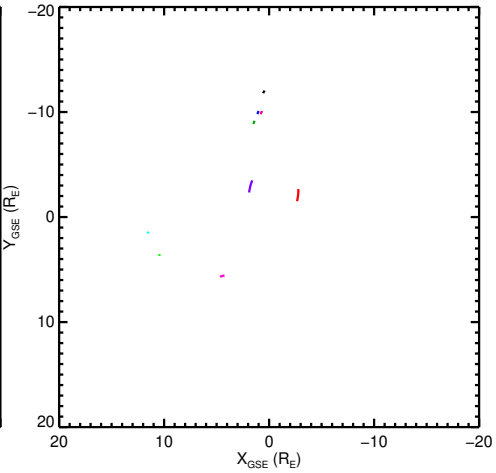


(d) 1535UT to 1605UT
ade adw bks cly cve cvw fhw hok

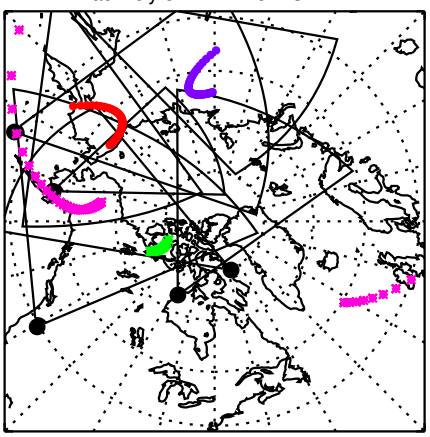


bpk dce sps tig unw

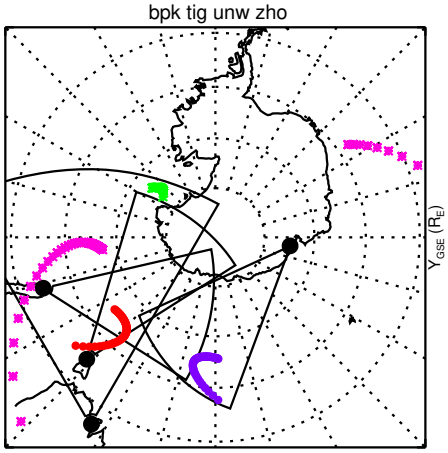


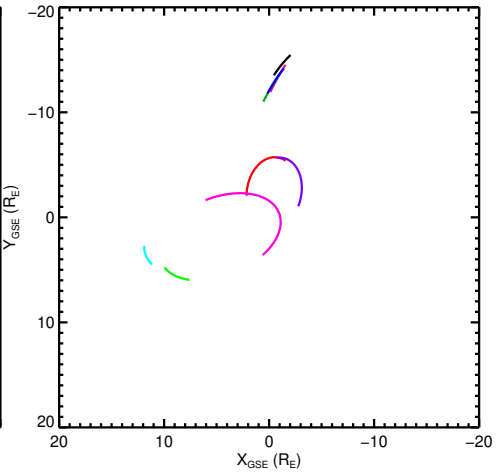


(e) 1810UT to 2225UT
adw cly cvw hkw hok ksr rkn



bpk tig unw zho

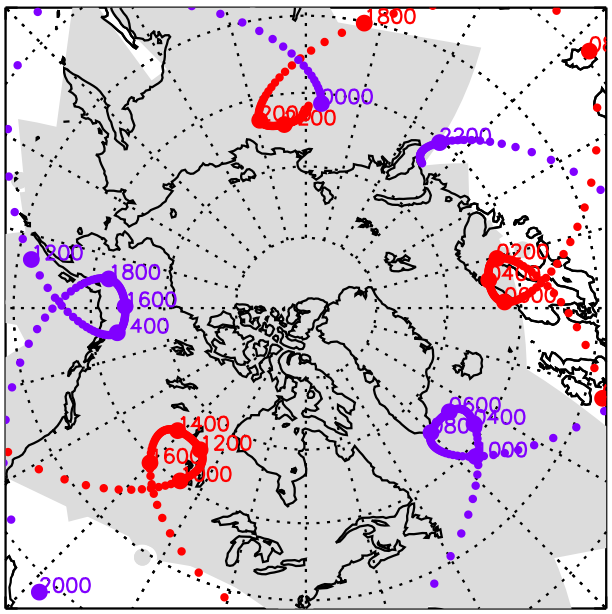


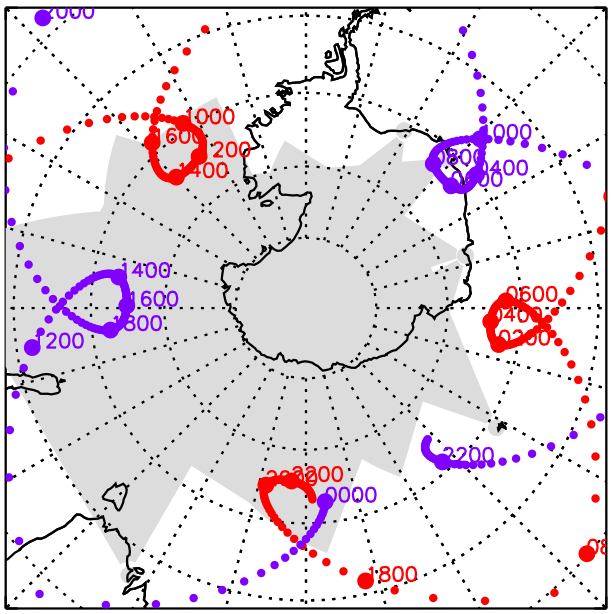


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

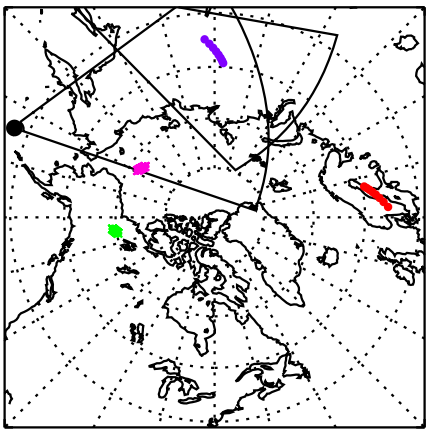
16–Jun–2016

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

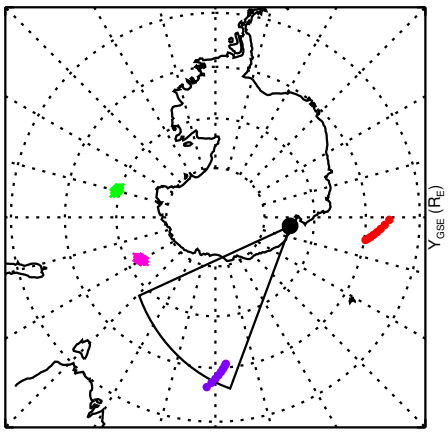


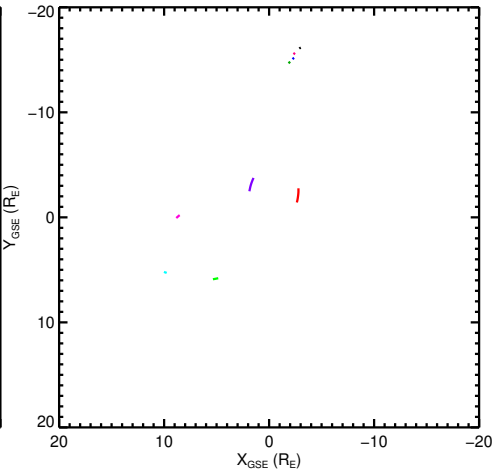


(a) 0030UT to 0105UT
adw hkw

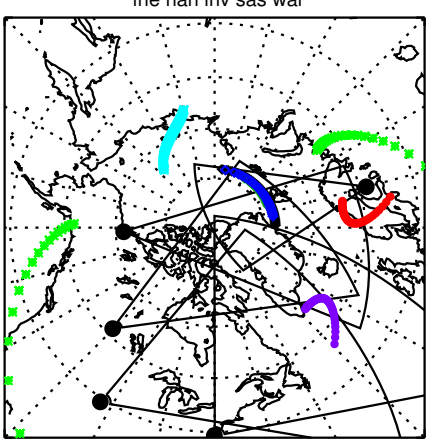


zho

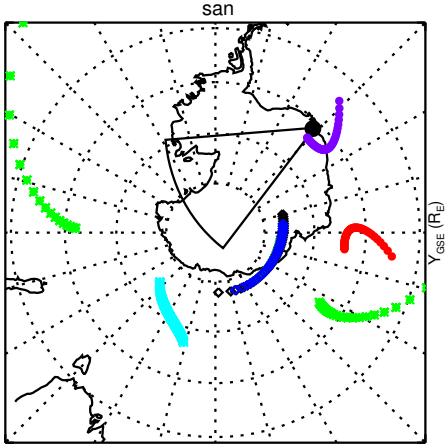


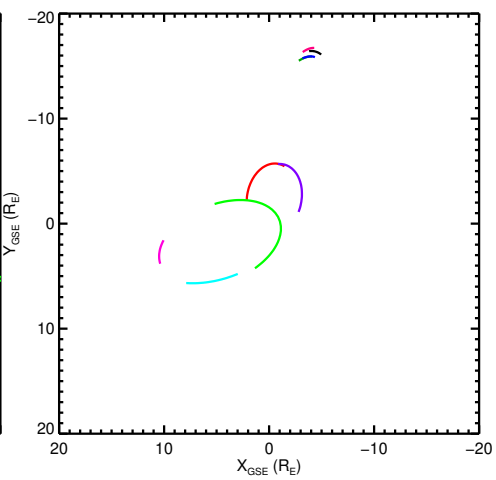


(b) 0315UT to 0720UT
fhe han inv sas wal

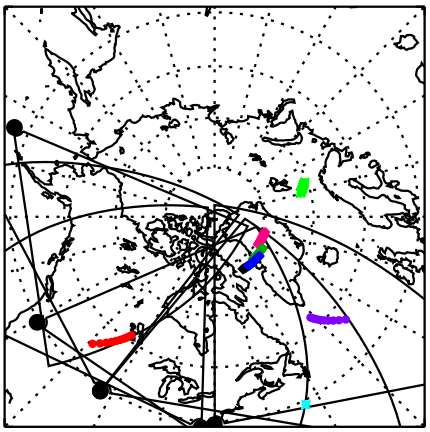


san

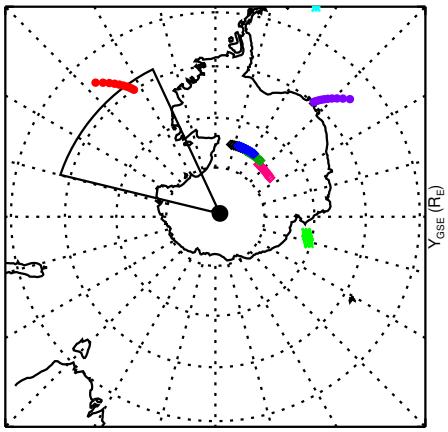


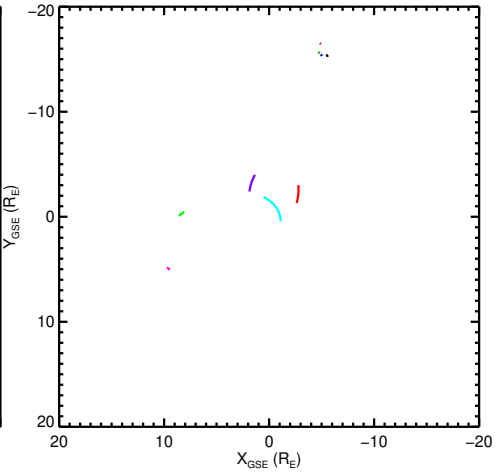


(c) 0925UT to 1010UT
ade bks cve fhe fhw wal

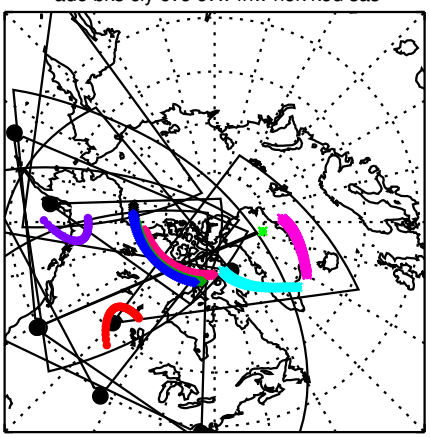


dce

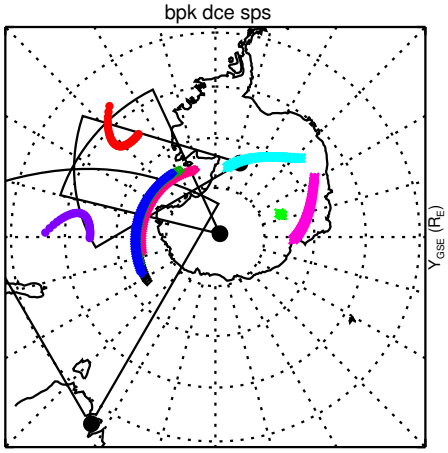


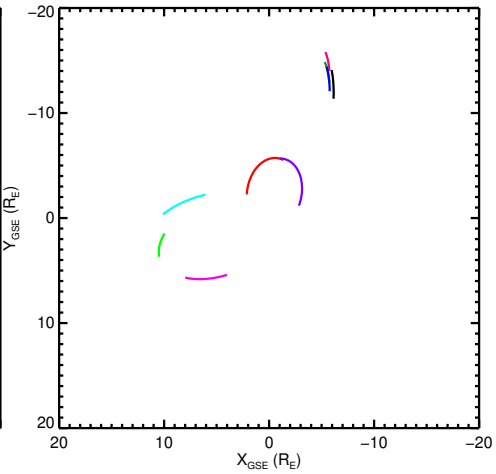


(d) 1220UT to 1615UT
ade bks cly cve cvw fhw hok kod sas

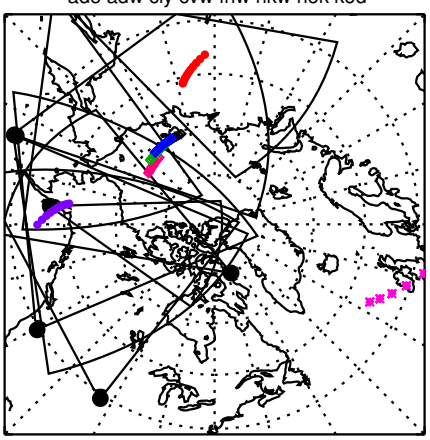


bpk dce sps

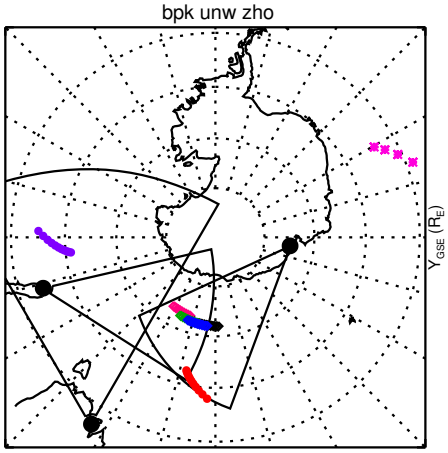


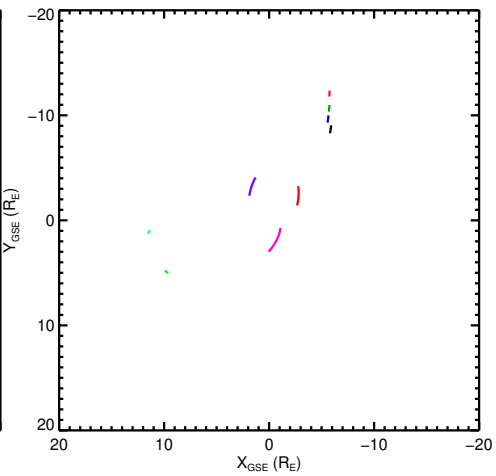


(e) 1825UT to 1915UT
ade adw cly cvw fhw hkw hok kod

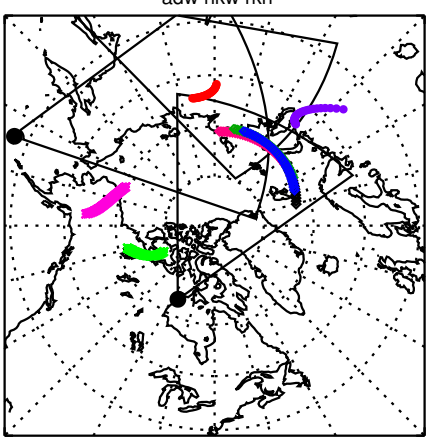


bpk unw zho

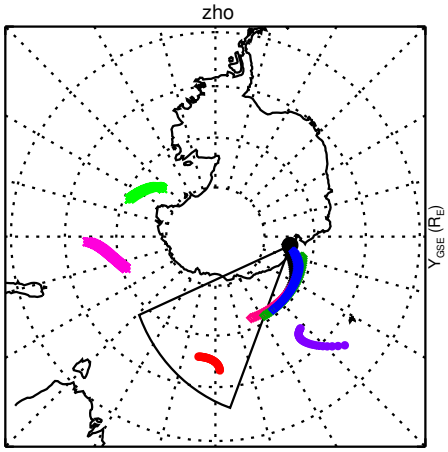


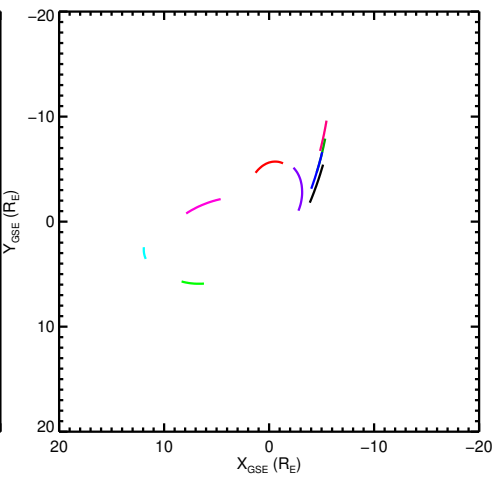


(f) 2120UT to 2355UT
adw hkw rkn



zho

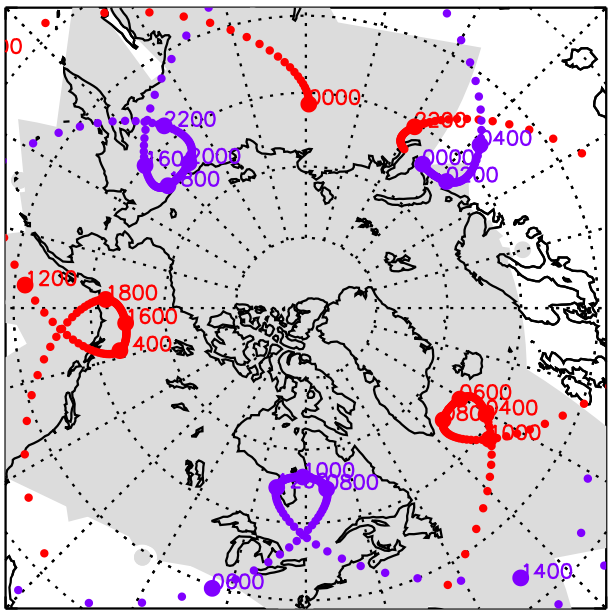


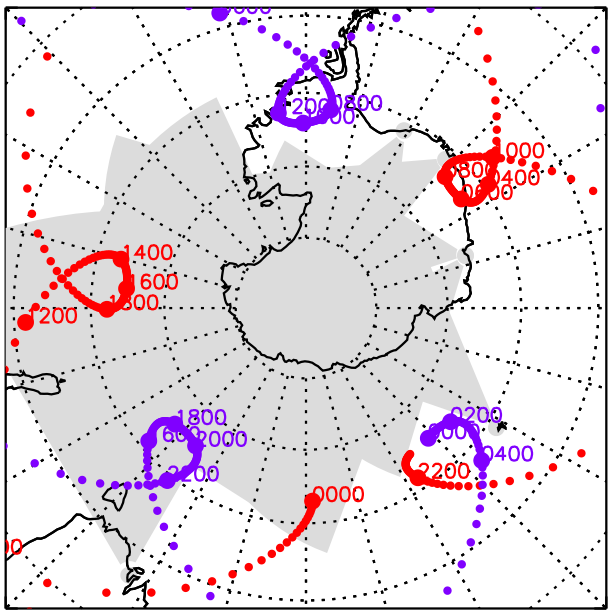


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

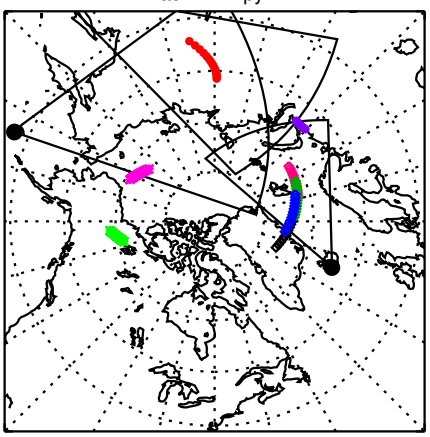
17–Jun–2016

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

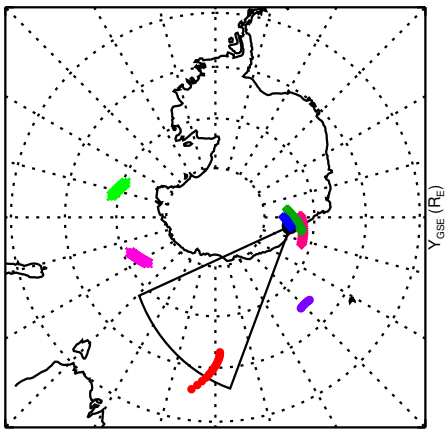


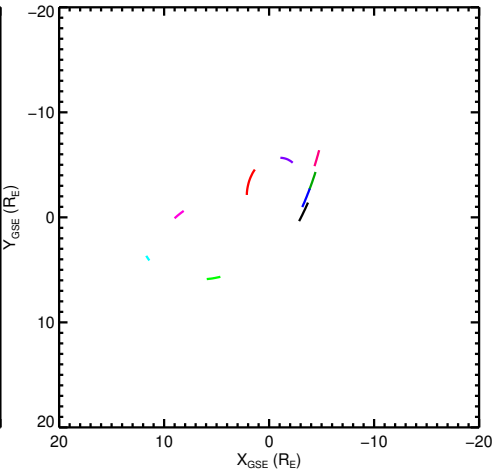


(a) 0000UT to 0115UT
adw hkw pyk

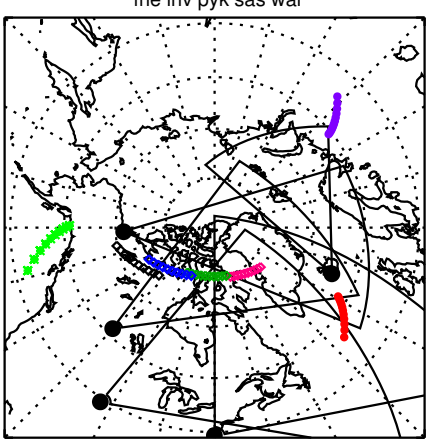


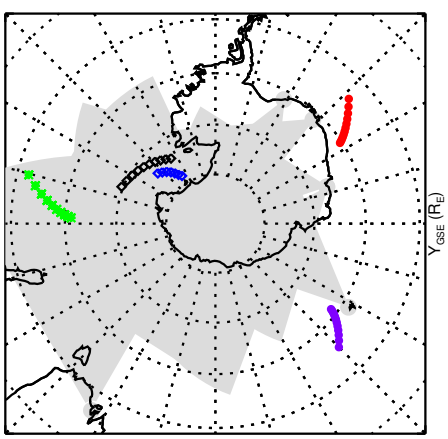
zho

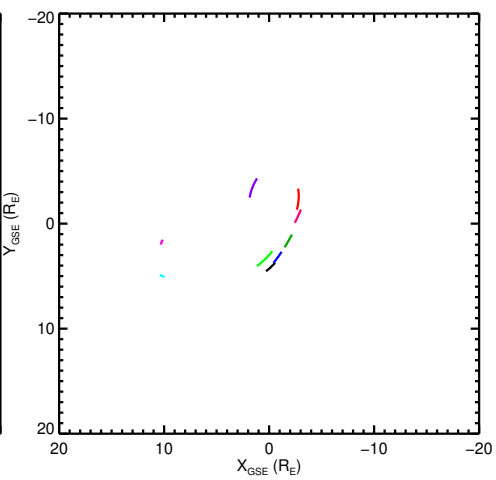




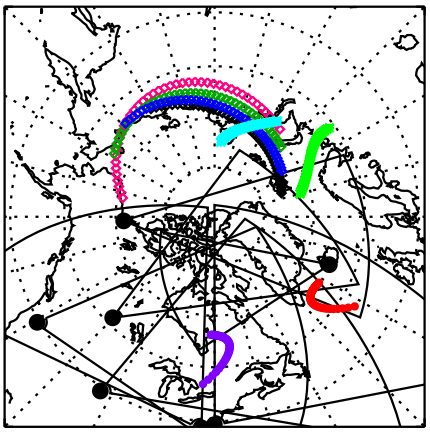
(b) 0320UT to 0415UT
fhe inv pyk sas wal

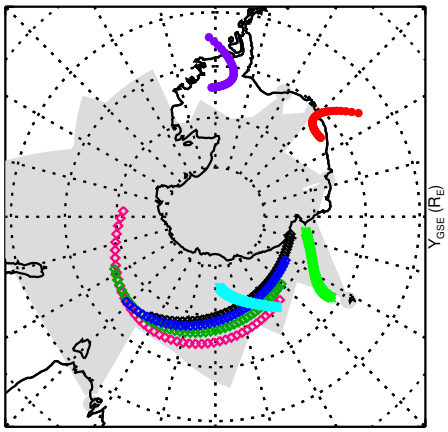


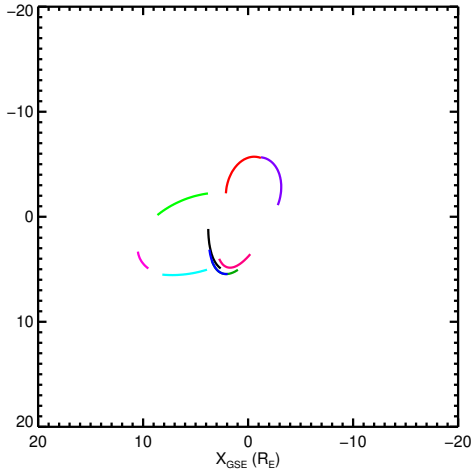




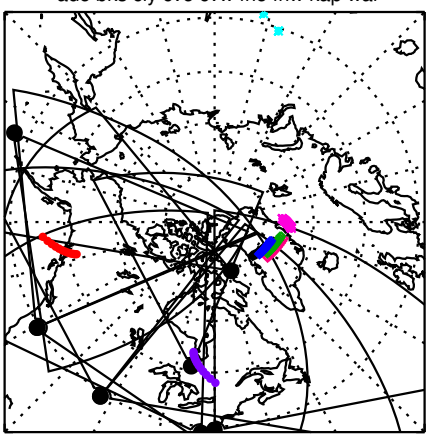
(c) 0625UT to 1010UT
bks cve fhe inv sas sto wal



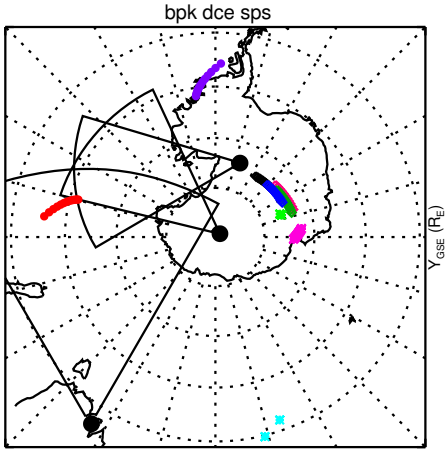


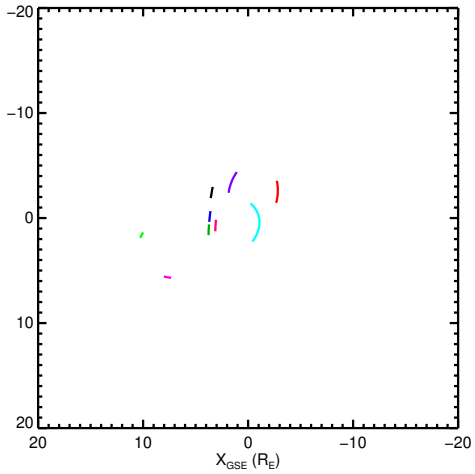


(d) 1220UT to 1320UT
ade bks cly cve cvw fhe fhw kap wal

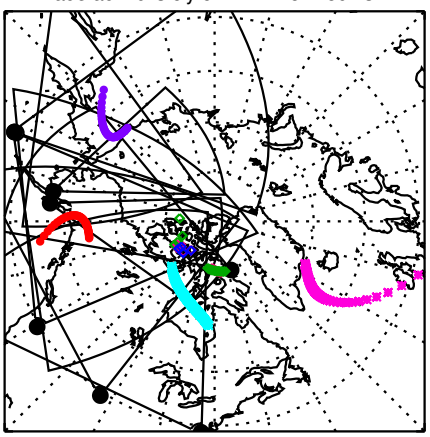


bpk dce sps

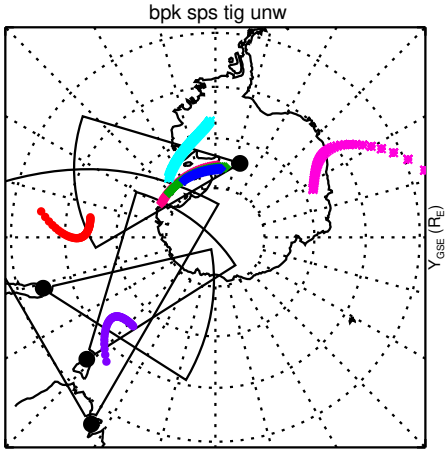


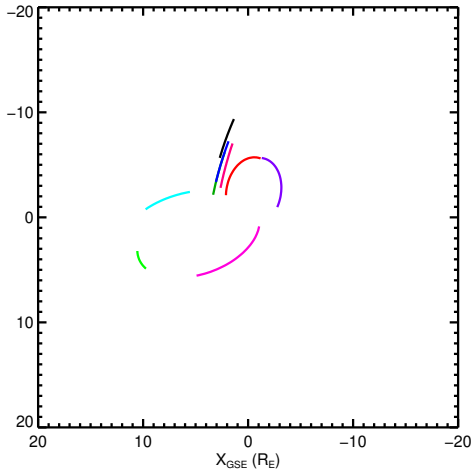


(e) 1525UT to 1910UT
ade adw bks cly cvw fhw hok kod ksr

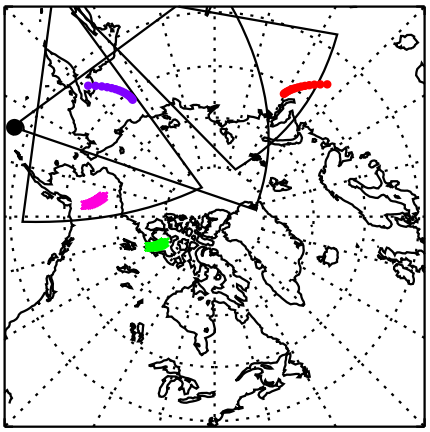


bpk sps tig unw

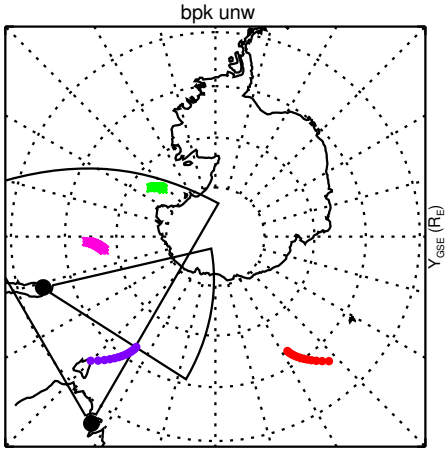


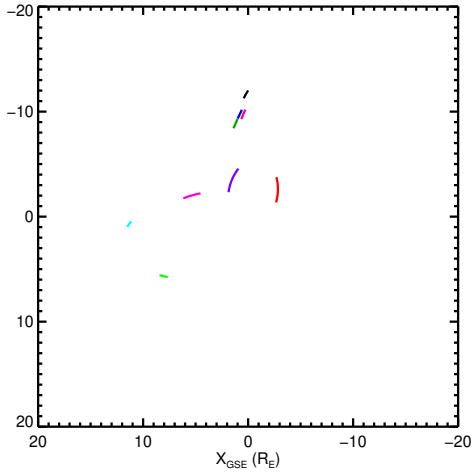


(f) 2115UT to 2225UT
adw hkw hok



bpk unw

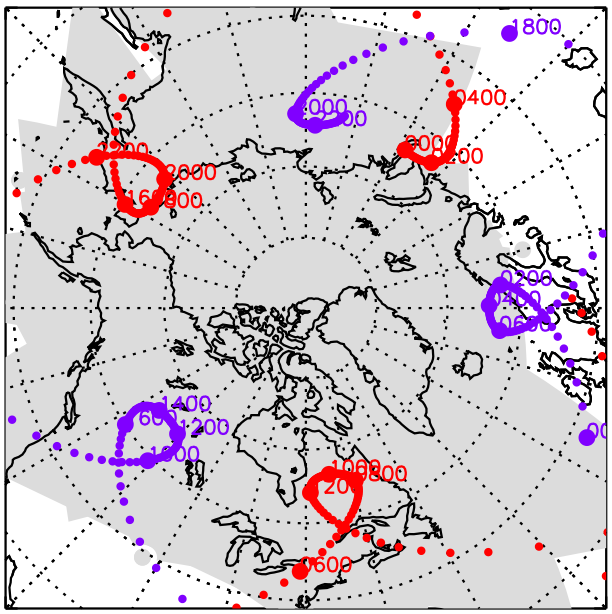


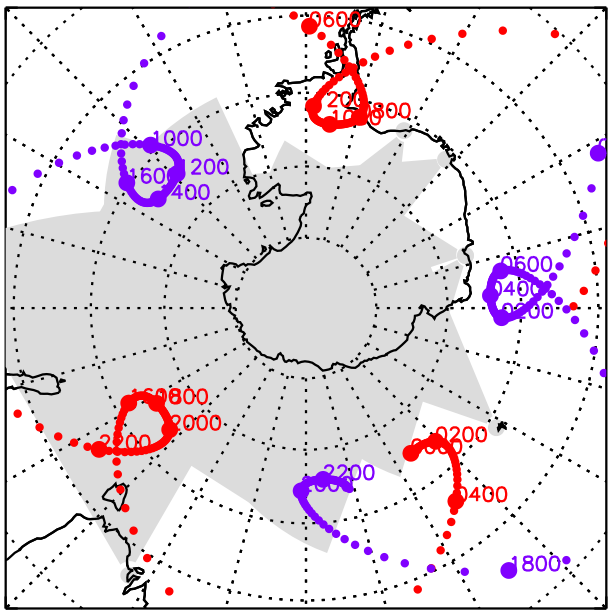


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

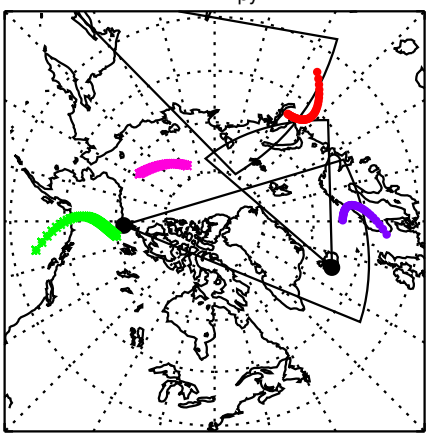
18–Jun–2016

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

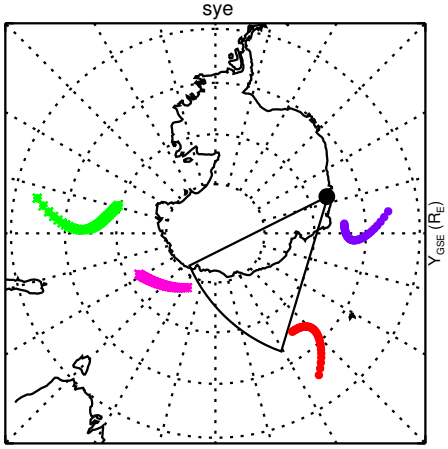


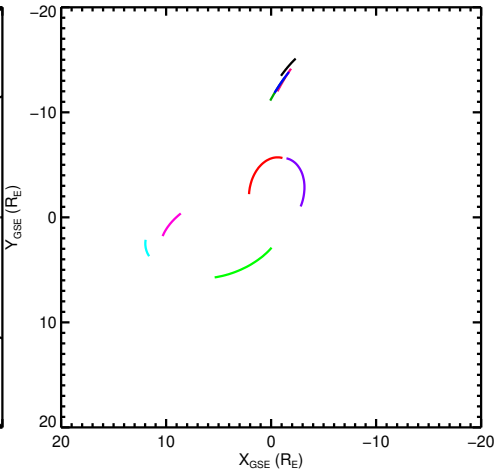


(a) 0030UT to 0405UT
hkw inv pyk

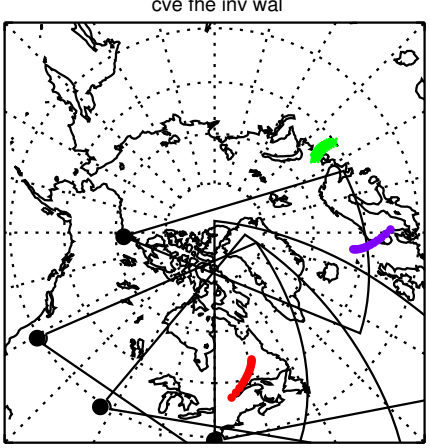


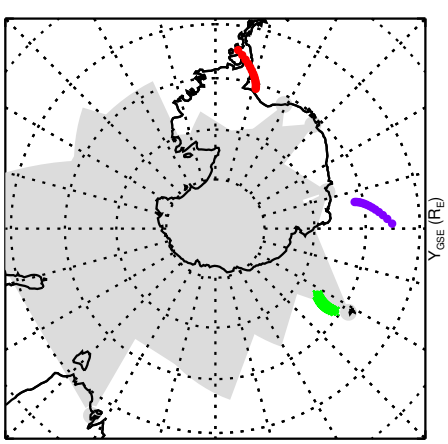
sye

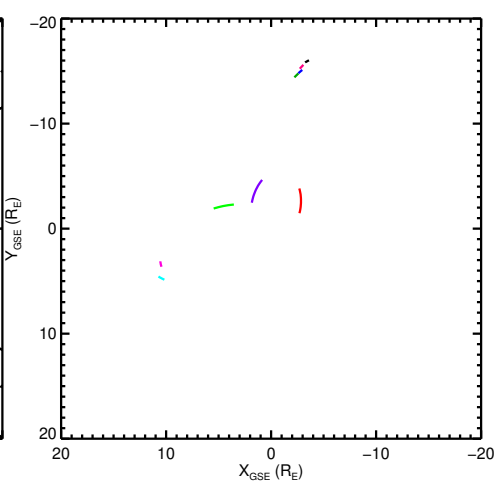




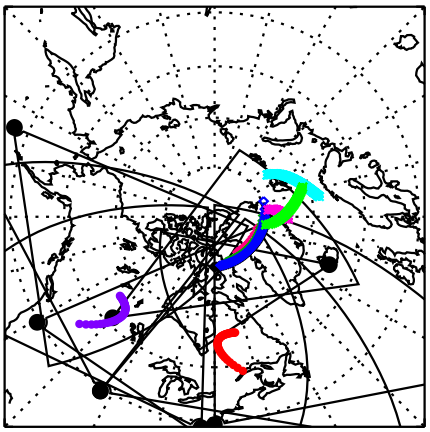
(b) 0615UT to 0725UT
cve fhe inv wal



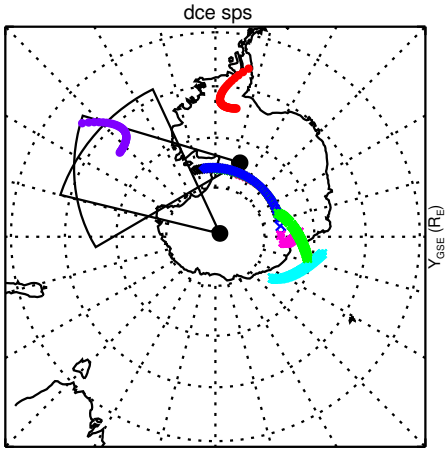


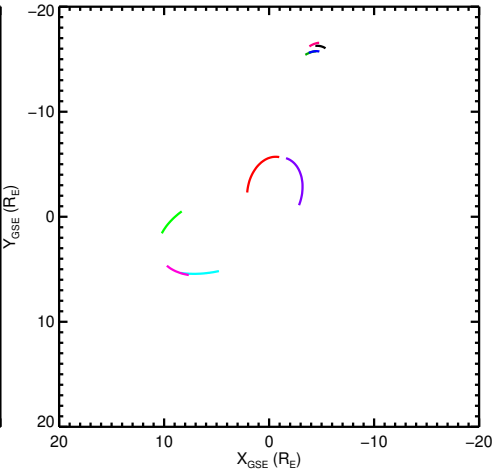


(c) 0935UT to 1300UT
ade bks cve fhe fhw sas sto wal

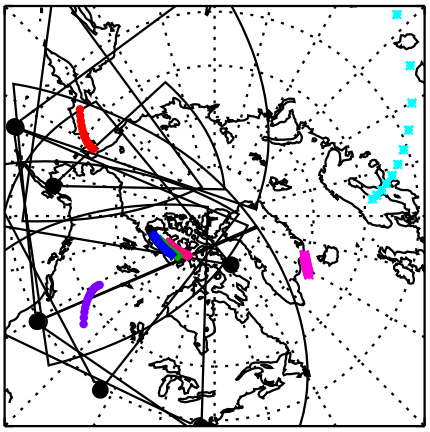


dce sps

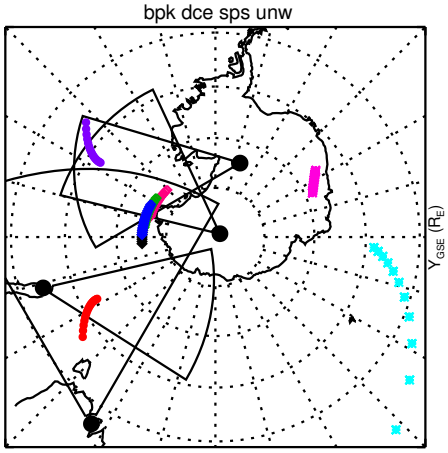


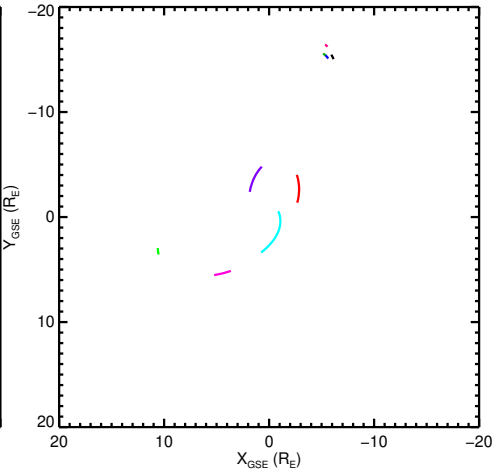


(d) 1510UT to 1630UT
ade adw bks cly cve cvw fhw hok ksr

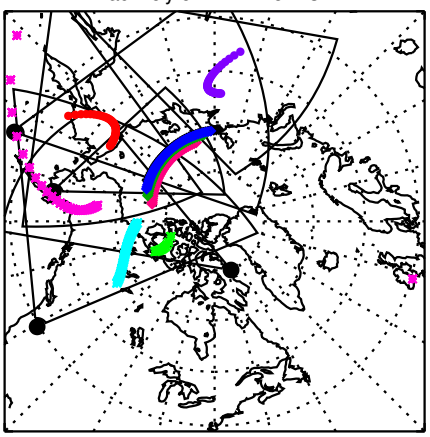


bpk dce sps unw

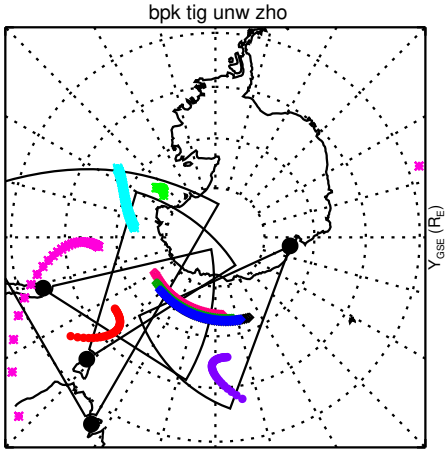


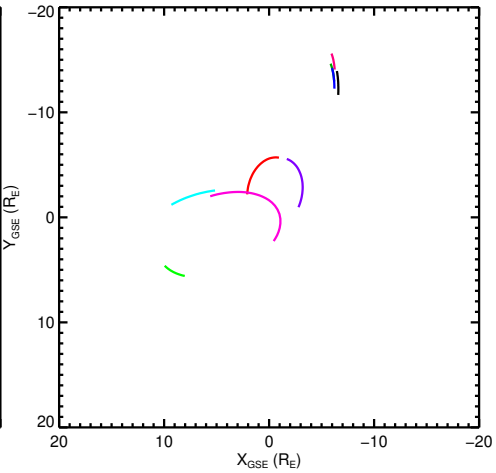


(e) 1835UT to 2200UT
adw cly cvw hkw hok ksr



bpk tig unw zho

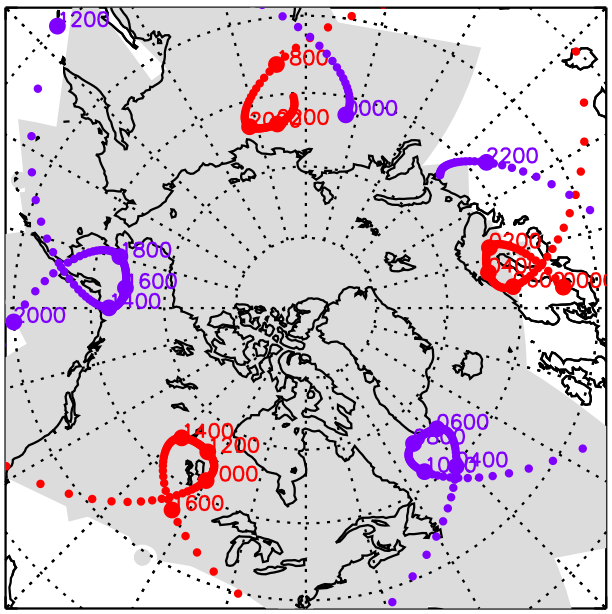


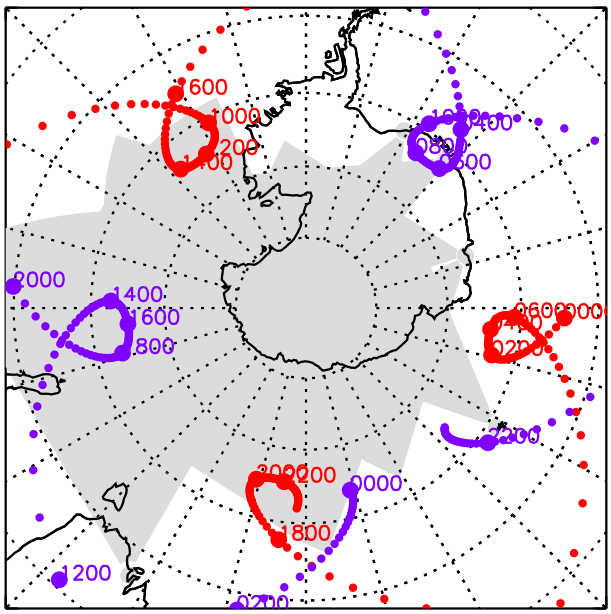


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

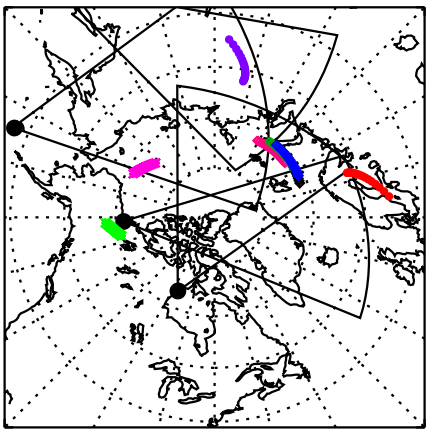
19–Jun–2016

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

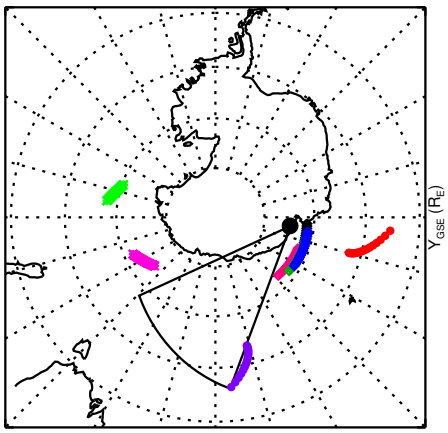


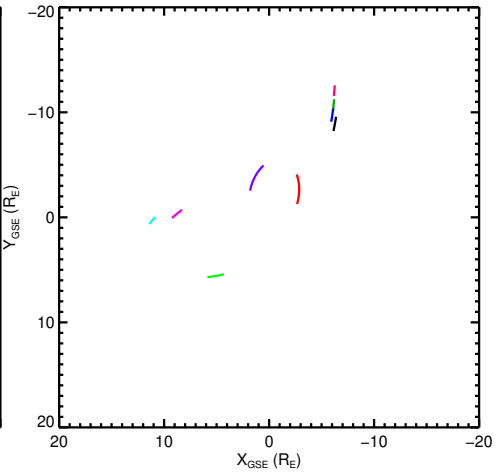


(a) 0005UT to 0130UT
adw hkw inv rkn

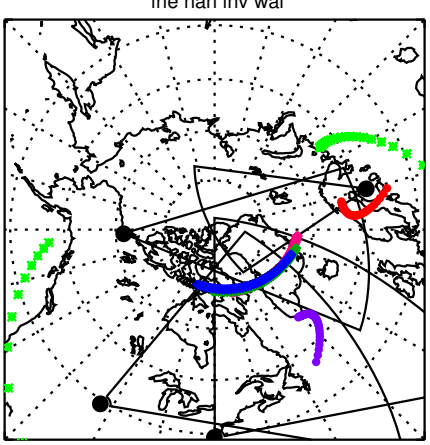


zho

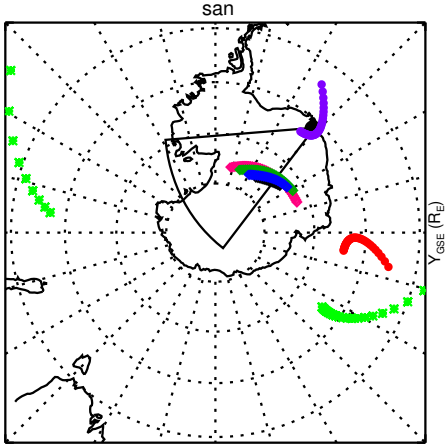


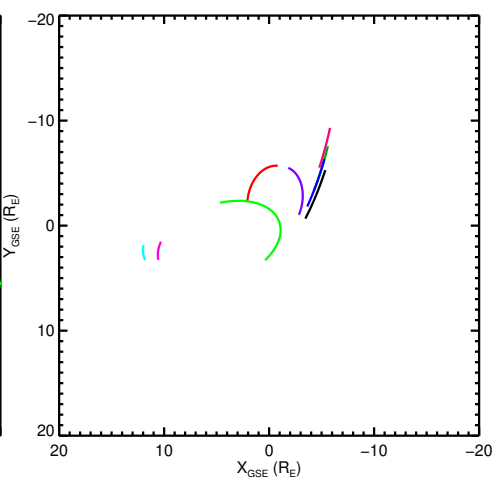


(b) 0340UT to 0655UT
fhe han inv wal

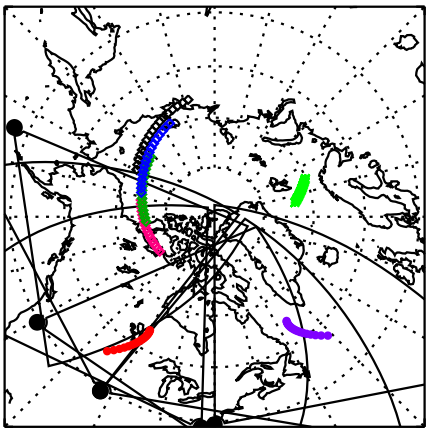


san

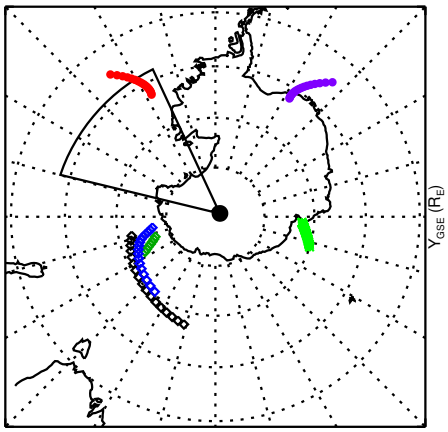


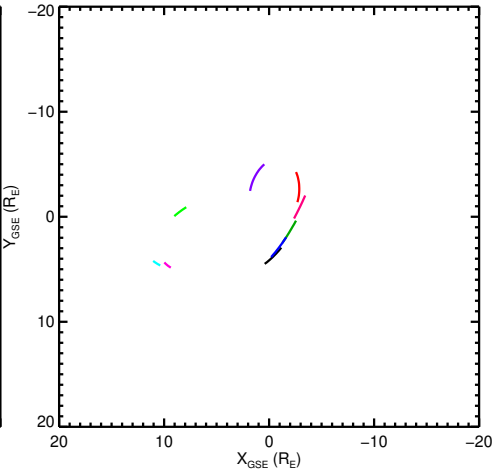


(c) 0905UT to 1035UT
ade bks cve fhe fhw wal

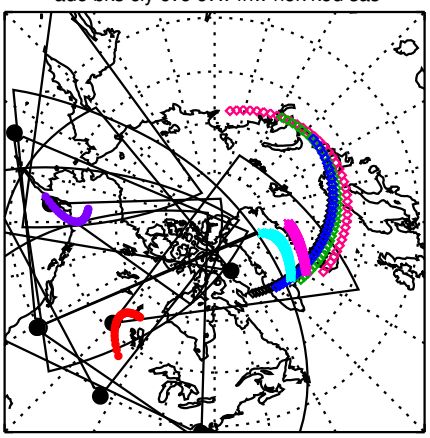


dce

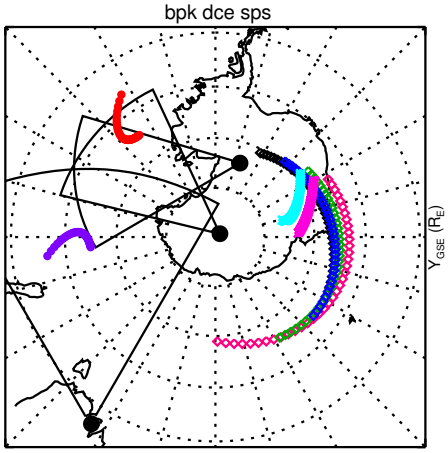


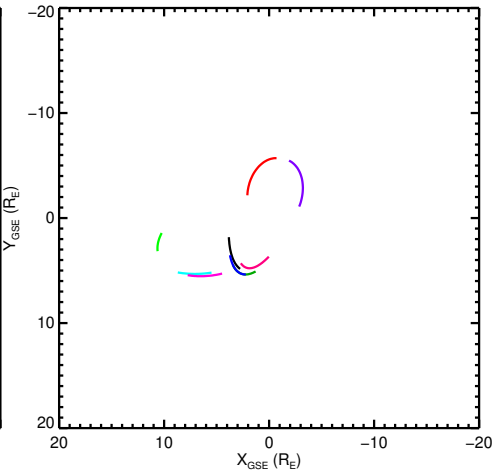


(d) 1245UT to 1555UT
ade bks cly cve cvw fhw hok kod sas

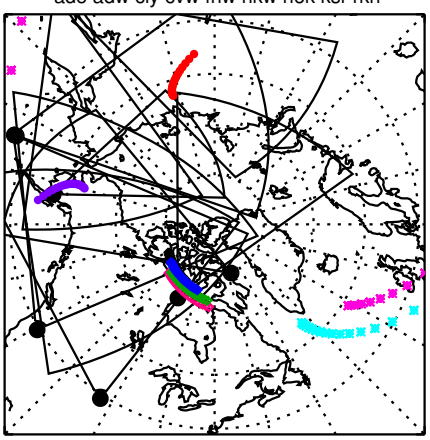


bpk dce sps

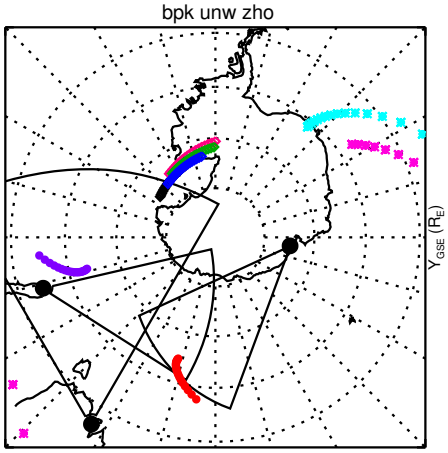


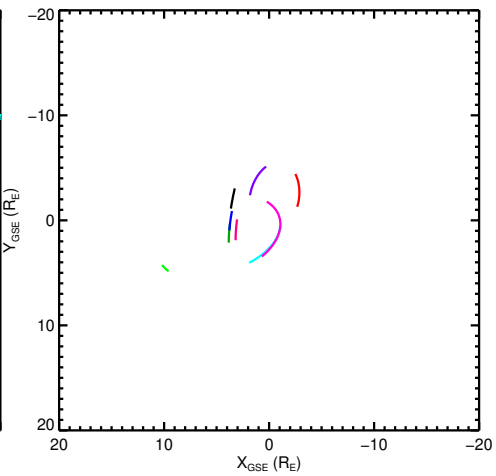


(e) 1800UT to 1940UT
ade adw cly cvw fhw hkw hok ksr rkn

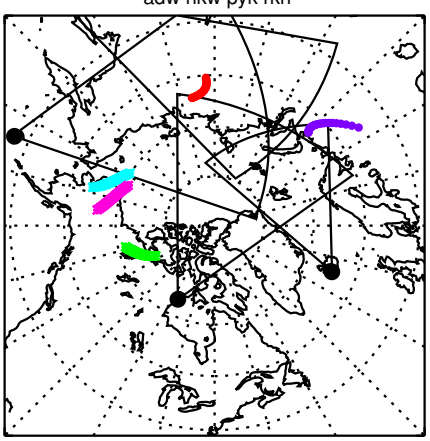


bpk unw zho

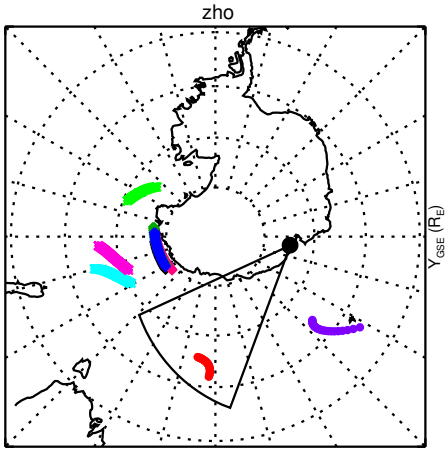


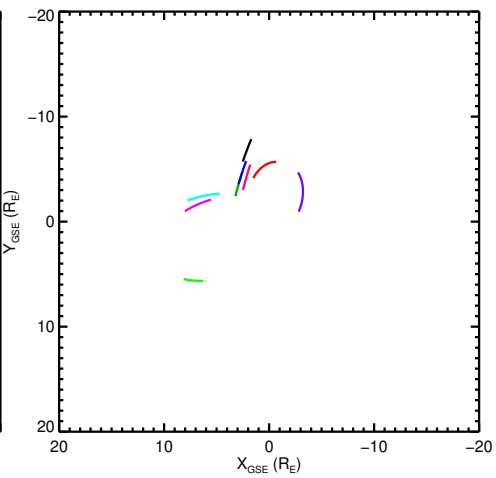


(f) 2145UT to 2355UT
adw hkw pyk rkn



zho

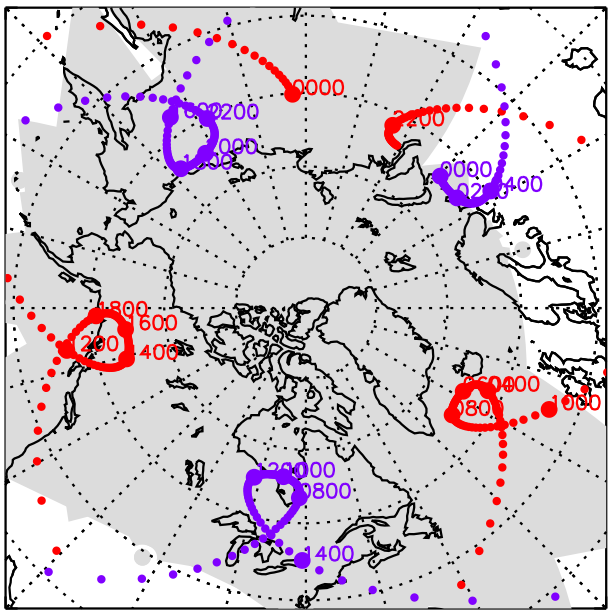


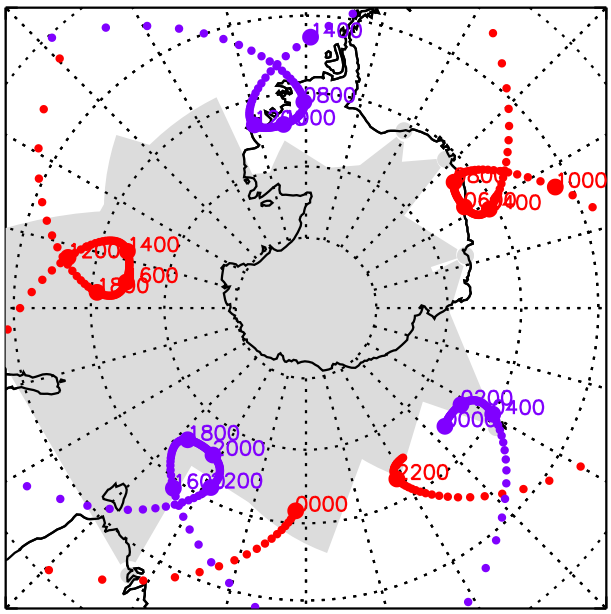


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

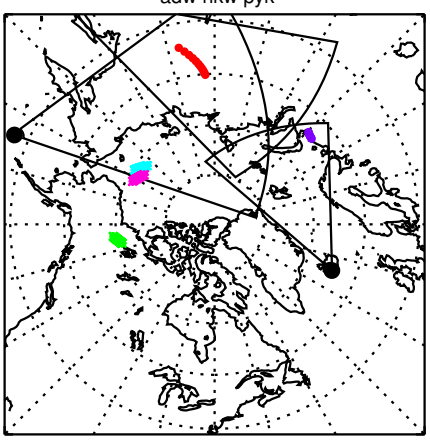
20–Jun–2016

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

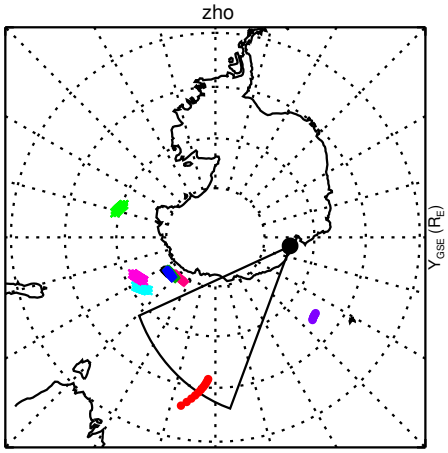


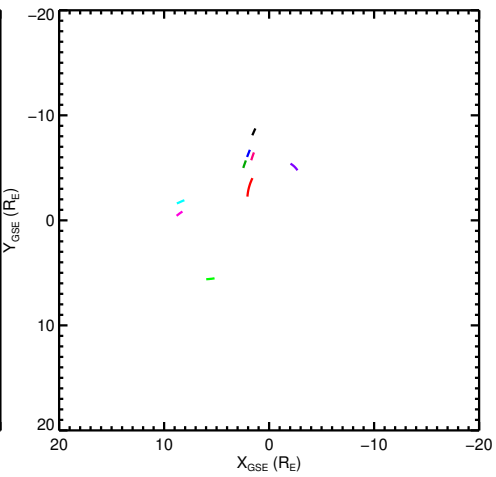


(a) 0000UT to 0050UT
adw hkw pyk

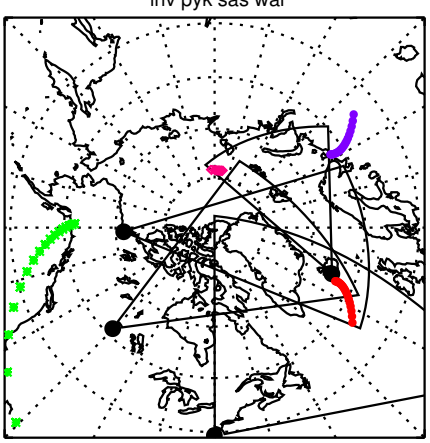


zho

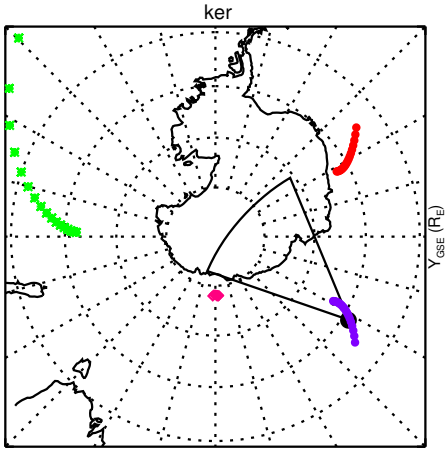


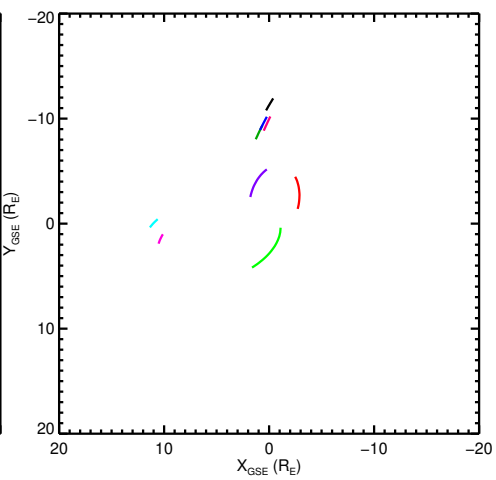


(b) 0300UT to 0440UT
inv pyk sas wal

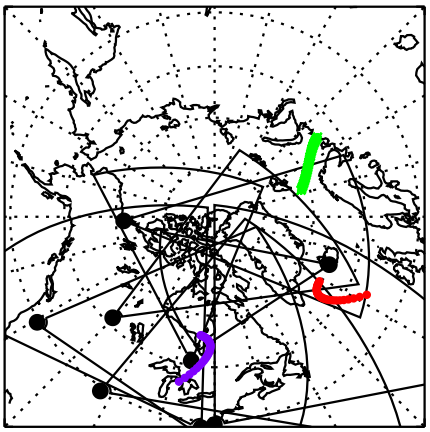


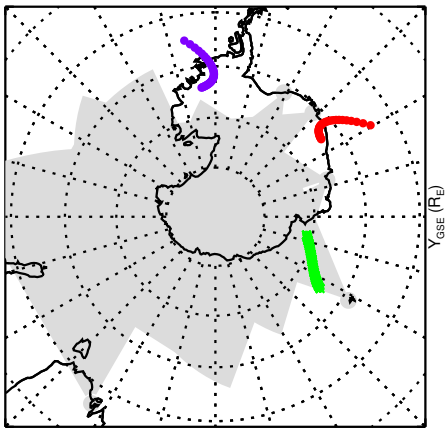
ker

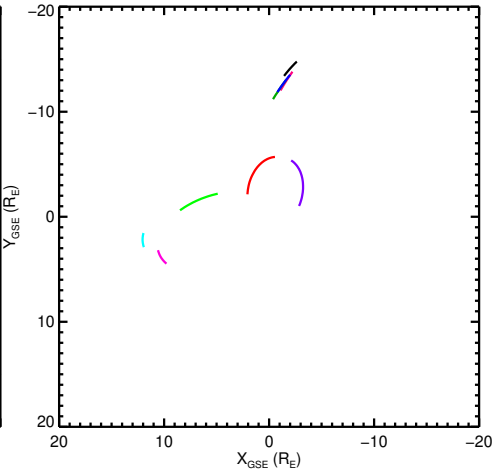




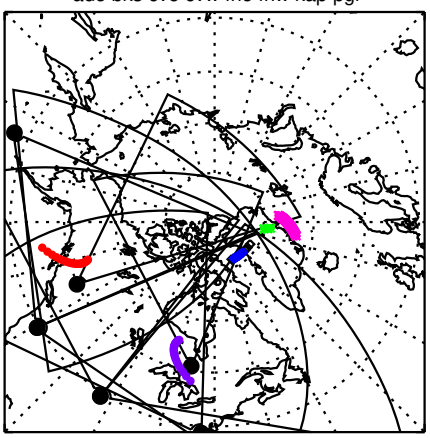
(c) 0650UT to 0950UT
bks cve fhe inv kap sas sto wal



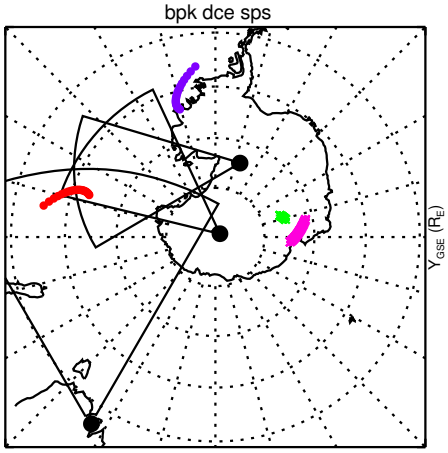


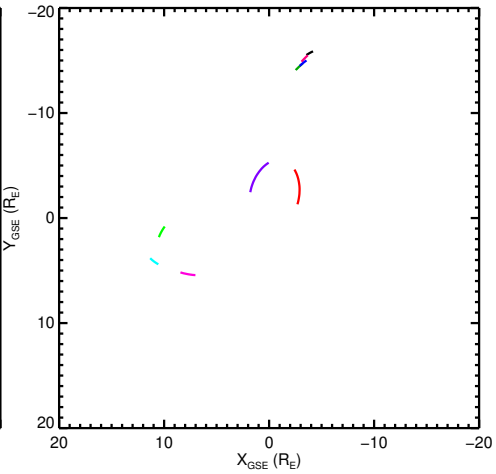


(d) 1155UT to 1345UT
ade bks cve cvw fhe fhw kap pgr

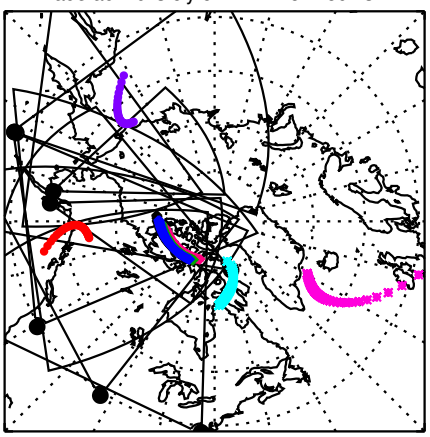


bpk dce sps

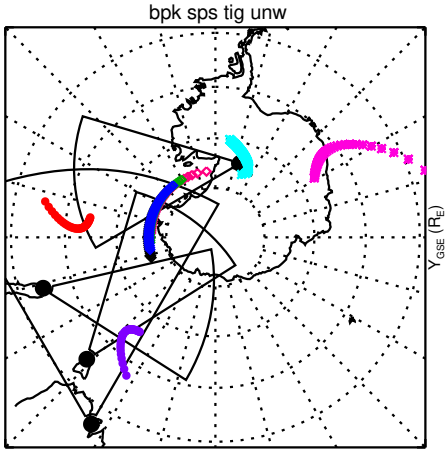


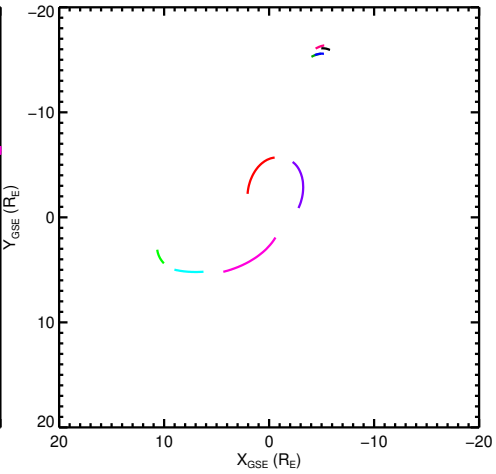


(e) 1550UT to 1845UT
ade adw bks cly cvw fhw hok kod ksr

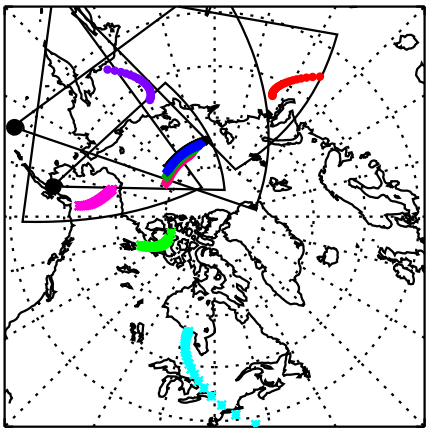


bpk sps tig unw

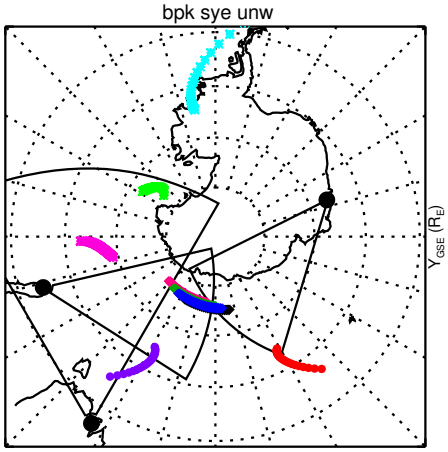


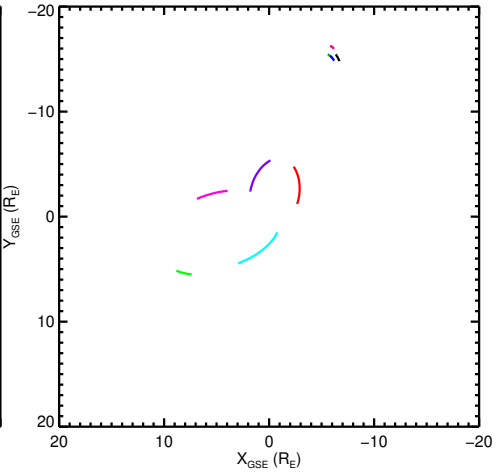


(f) 2050UT to 2250UT
adw hkw hok ksr



bpk sye unw

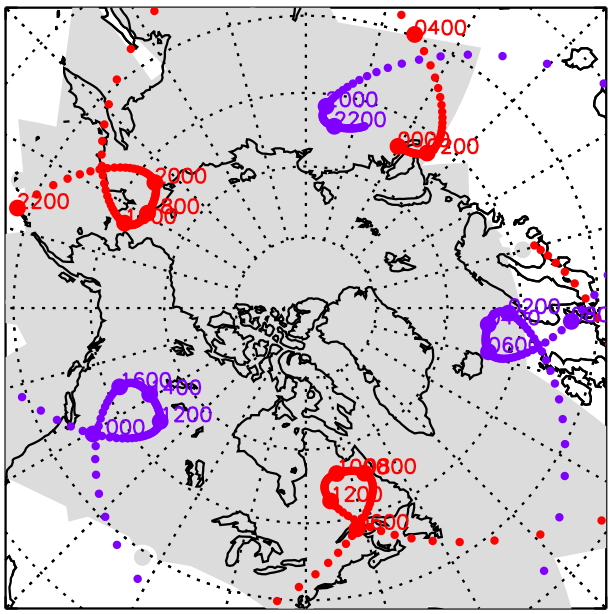


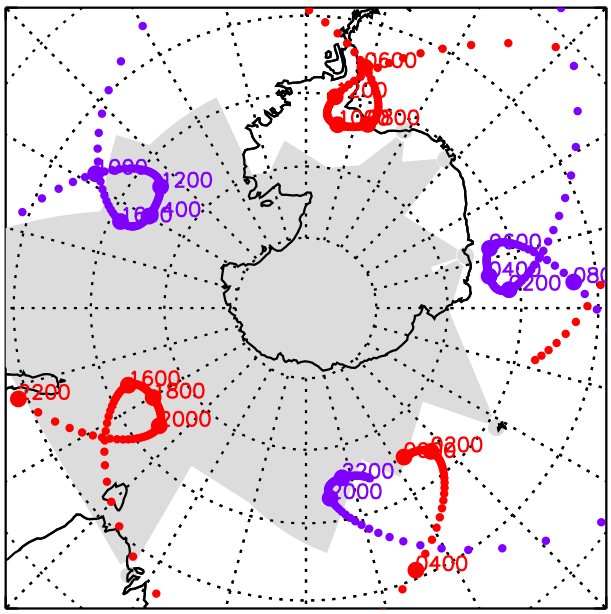


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

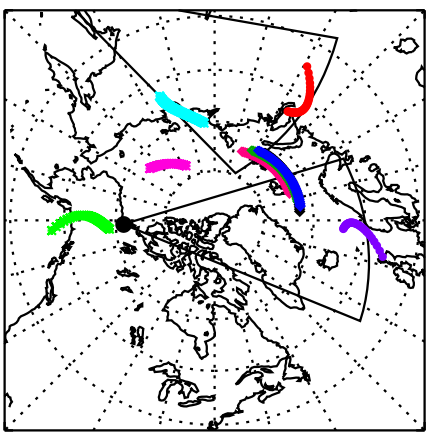
21–Jun–2016

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

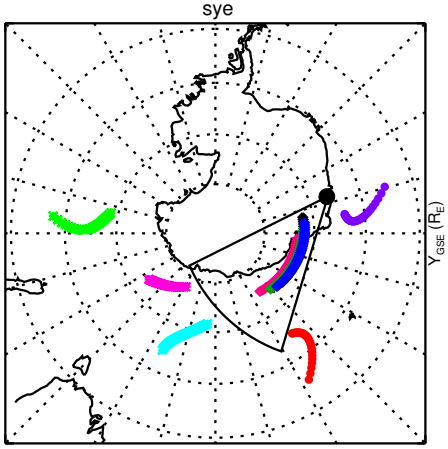


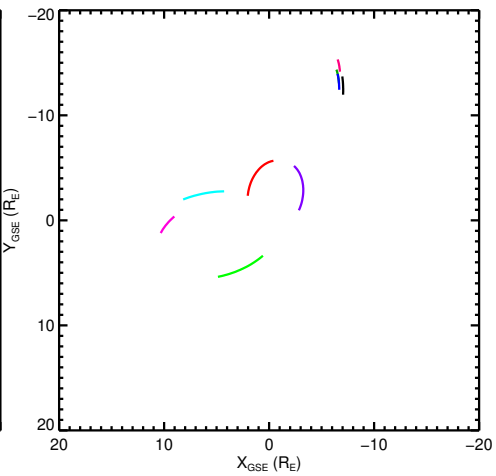


(a) 0055UT to 0340UT
hkw inv

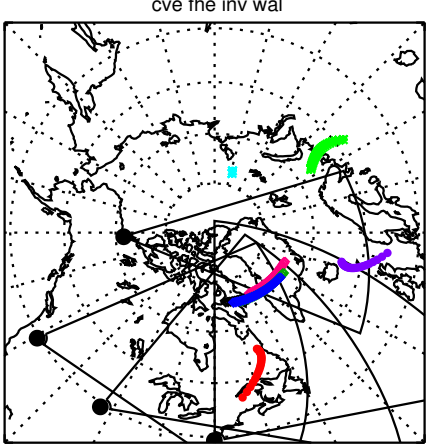


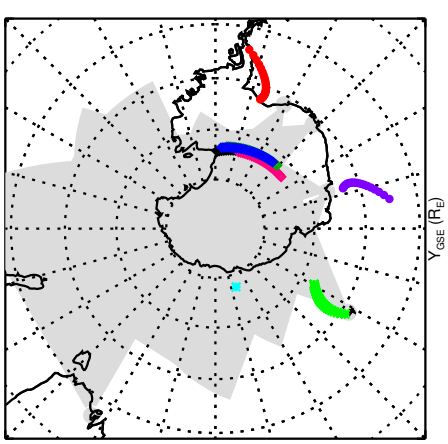
sye

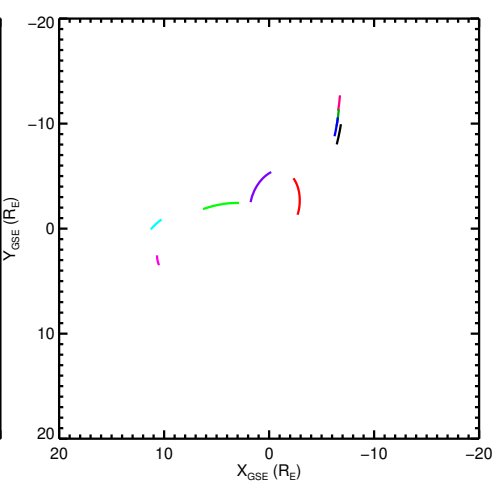




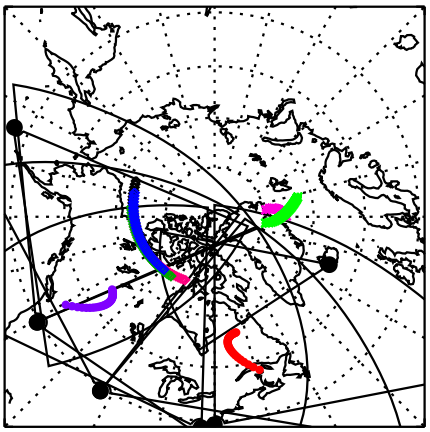
(b) 0550UT to 0750UT
cve fhe inv wal



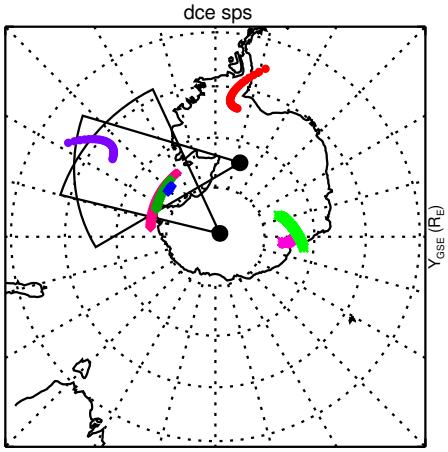


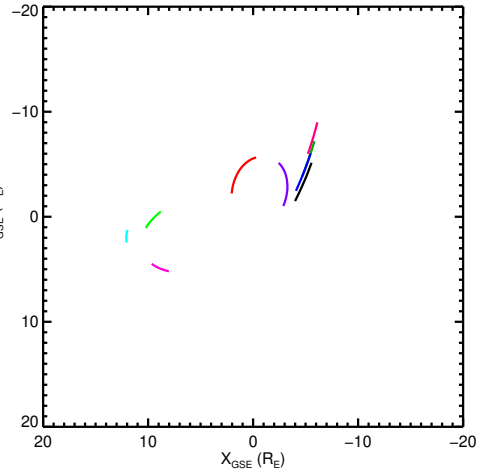


(c) 1000UT to 1240UT
ade bks cve cvw fhe fhw sto wal

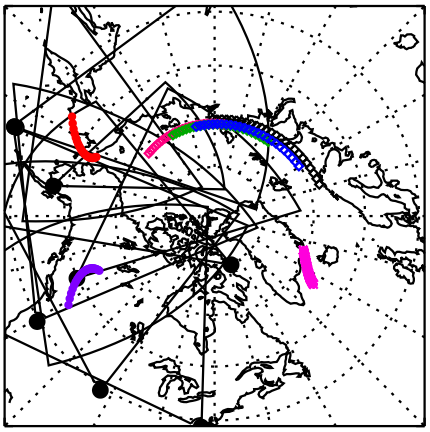


dce sps

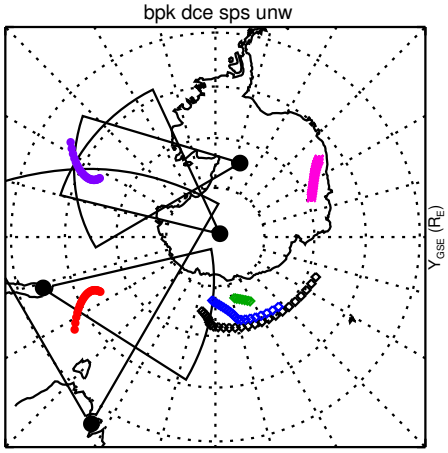


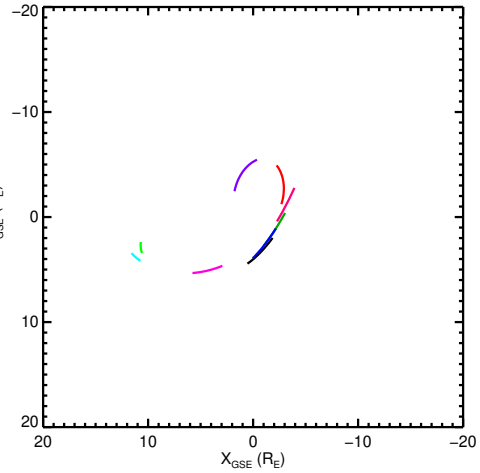


(d) 1445UT to 1655UT
ade adw bks cly cvw fhw hok ksr pgr

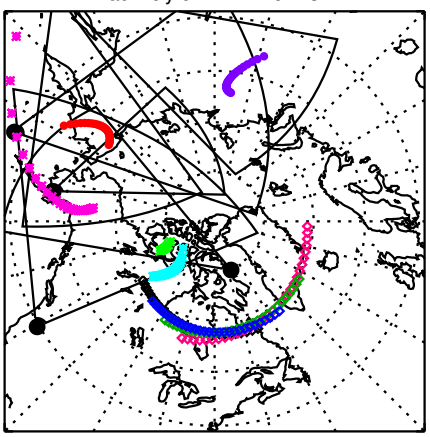


bpk dce sps unw

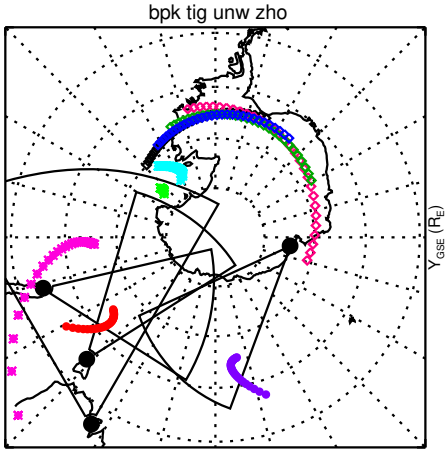


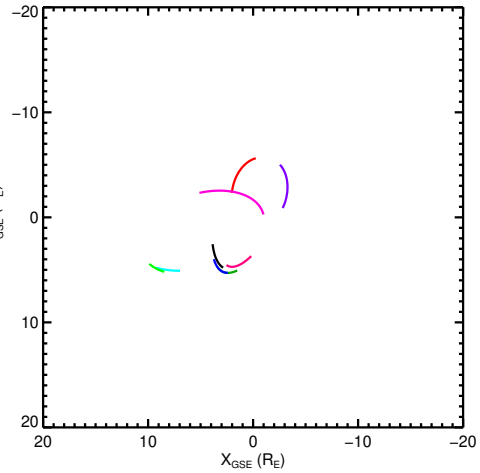


(e) 1900UT to 2135UT
adw cly cvw hkw hok ksr

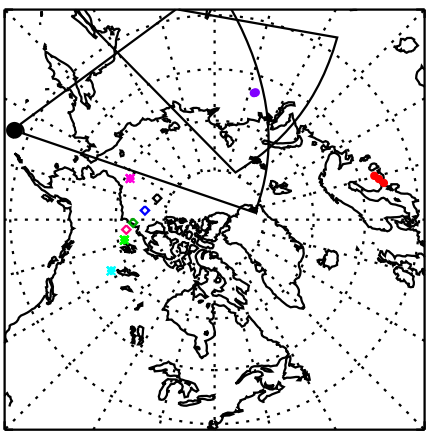


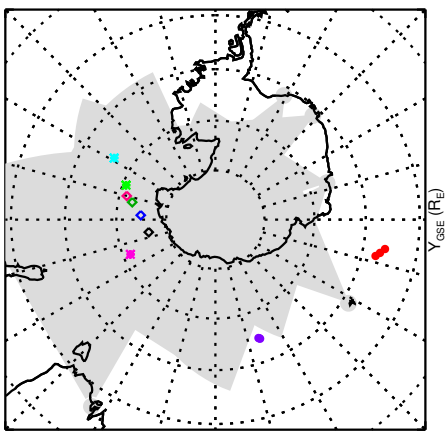
bpk tig unw zho

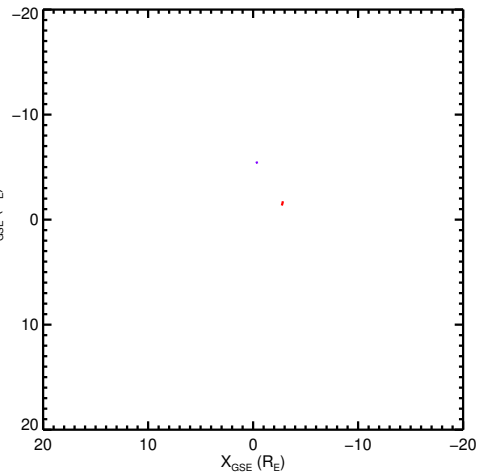




(f) 2345UT to 2355UT
adw hkw



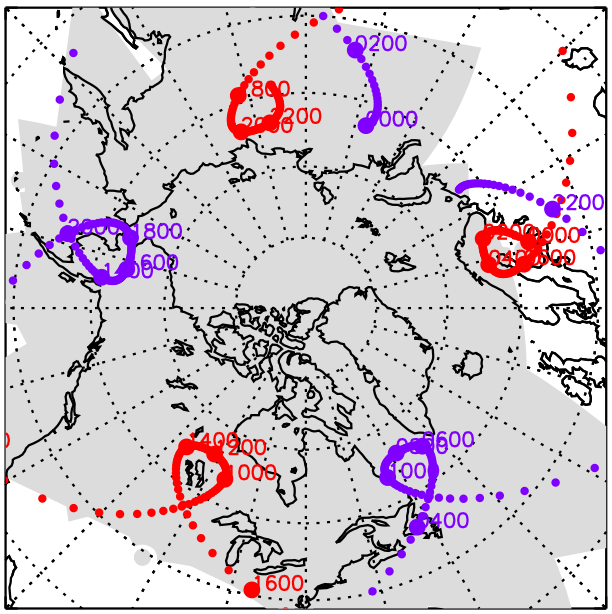


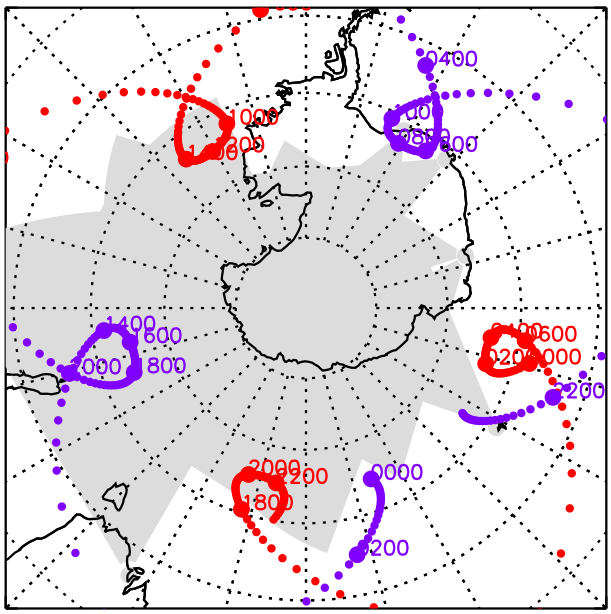


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

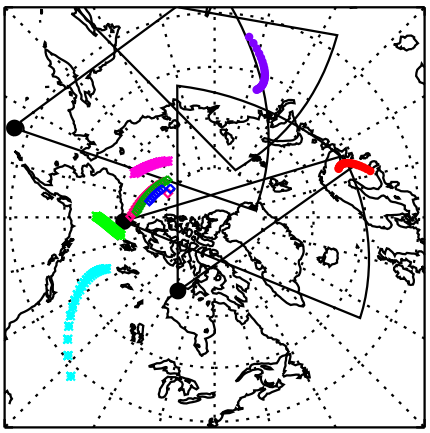
22–Jun–2016

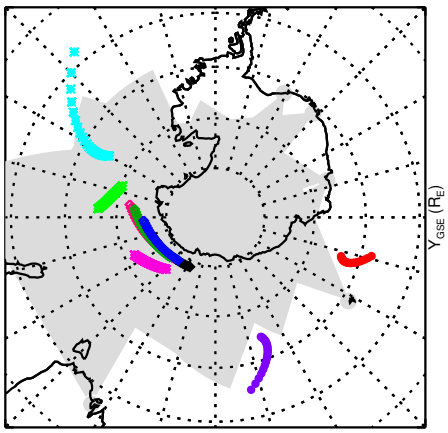
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

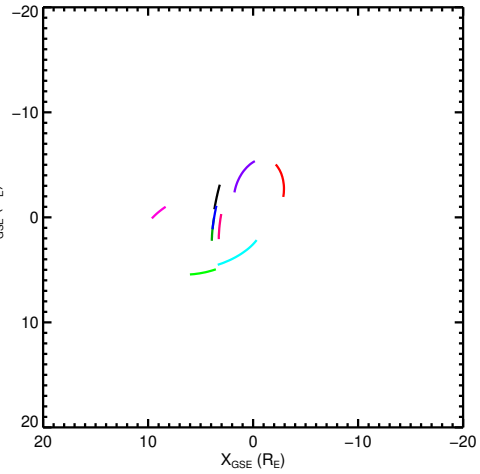




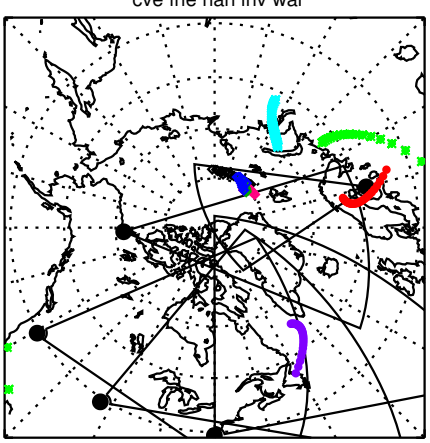
(a) 0000UT to 0200UT
adw hkw inv rkn

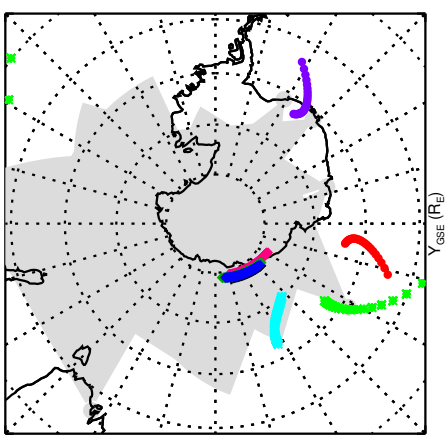


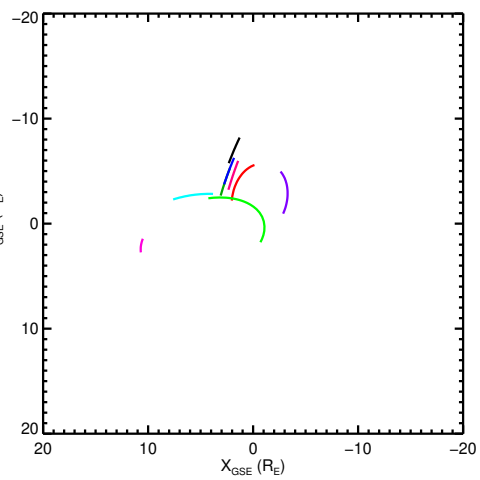




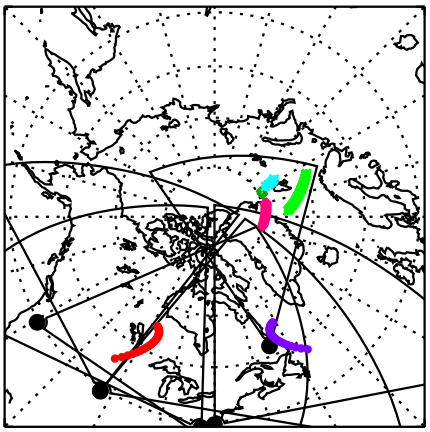
(b) 0405UT to 0635UT
cve fhe han inv wal



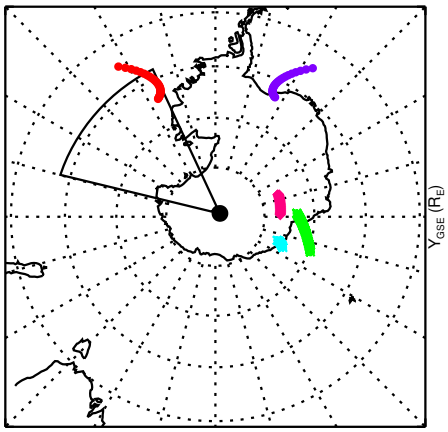


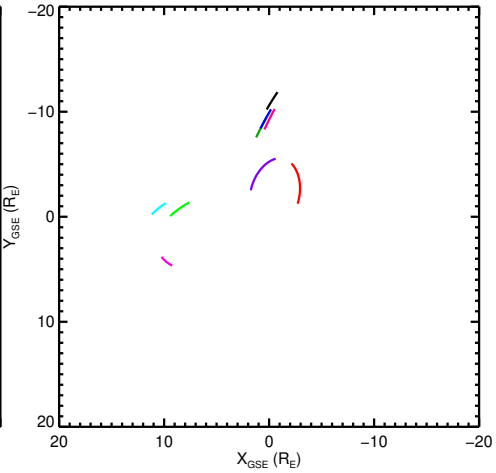


(c) 0840UT to 1100UT
bks cve fhe fhw gbr wal

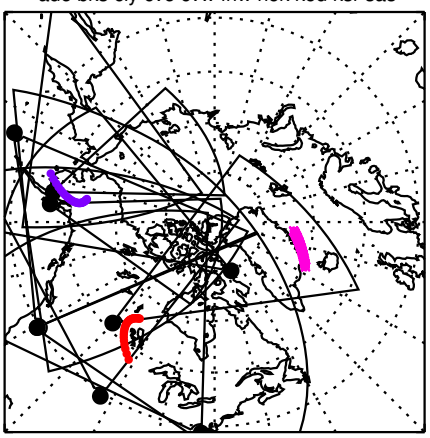


dce

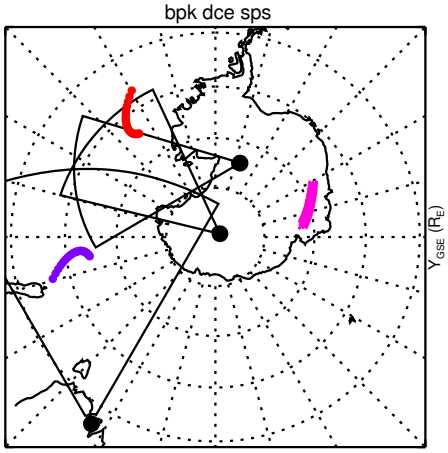


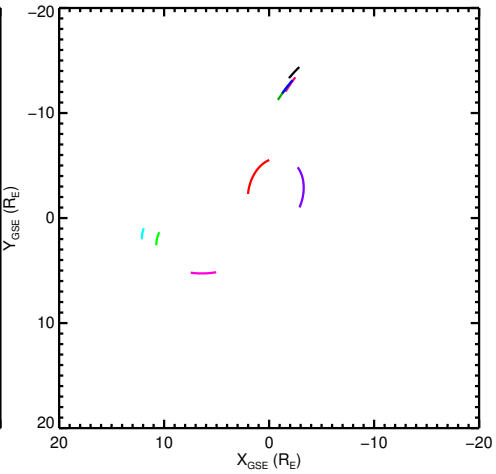


(d) 1310UT to 1530UT
ade bks cly cve cvw fhw hok kod ksr sas

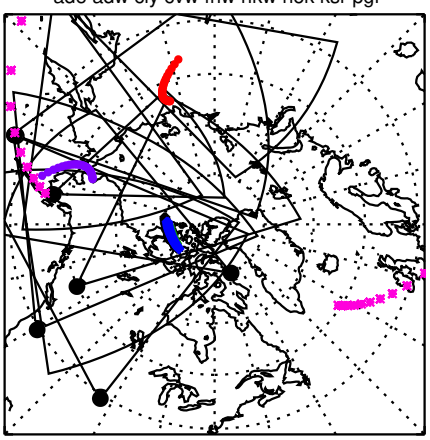


bpk dce sps

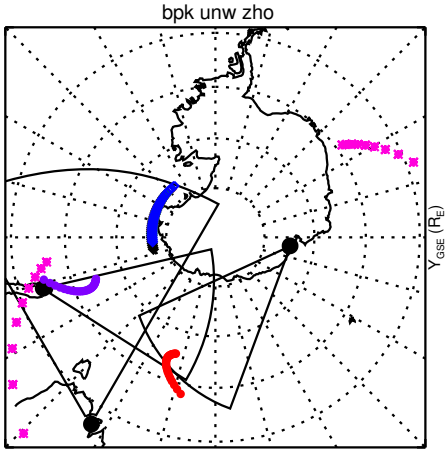


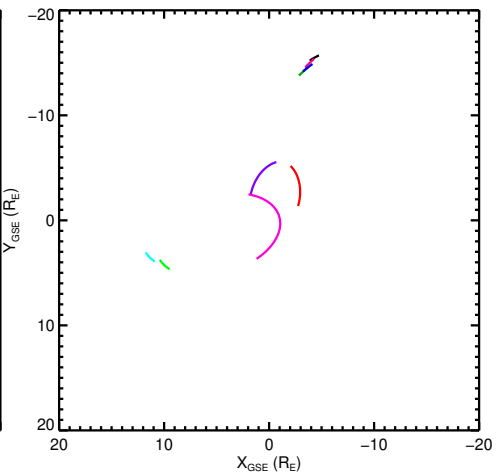


(e) 1740UT to 2005UT
ade adw cly cvw fhw hkw hok ksr pgr

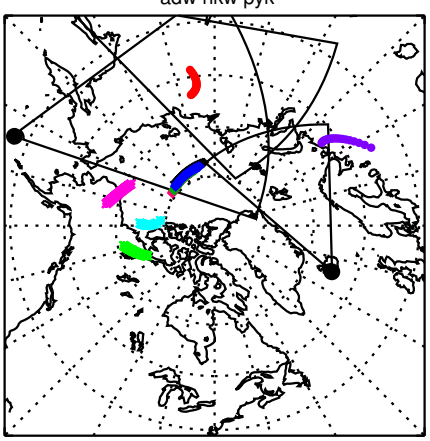


bpk unw zho

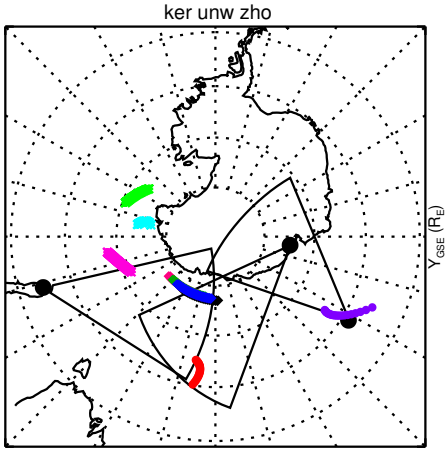


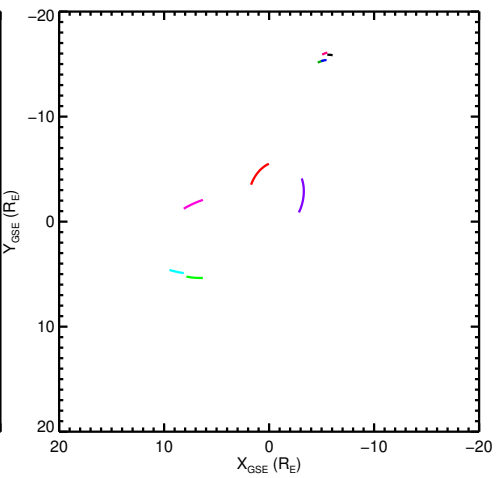


(f) 2210UT to 2355UT
adw hkw pyk



ker unw zho

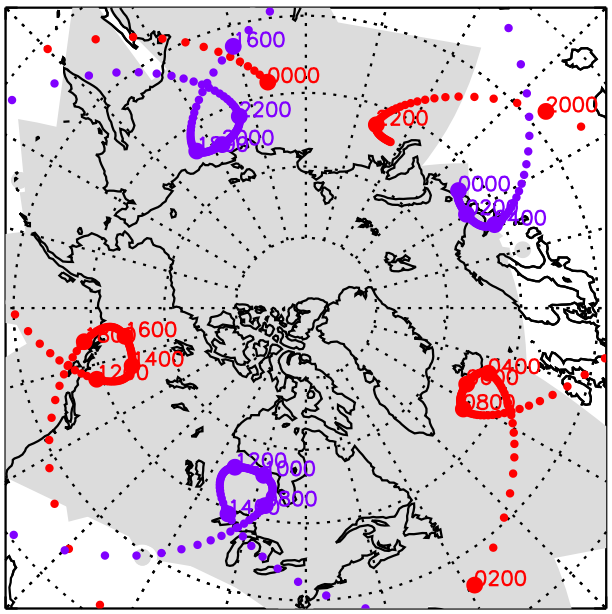


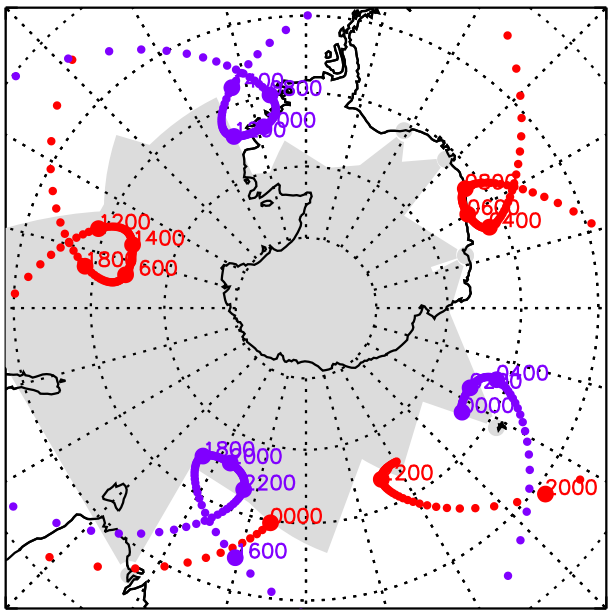


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

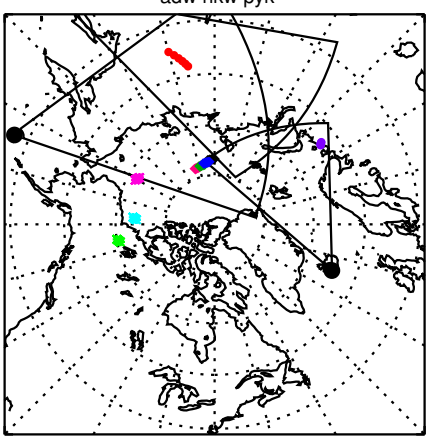
23–Jun–2016

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

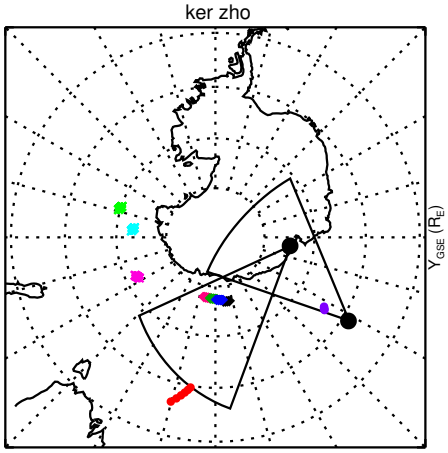


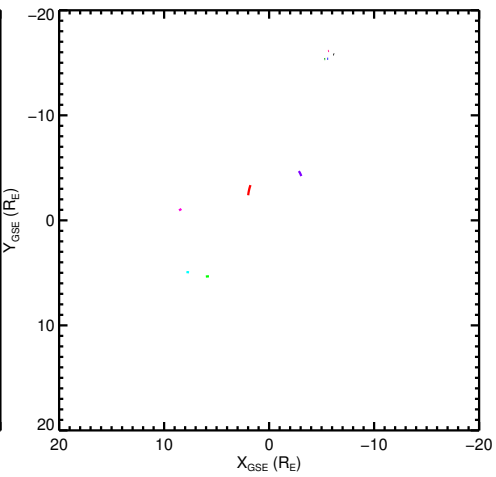


(a) 0000UT to 0025UT
adw hkw pyk

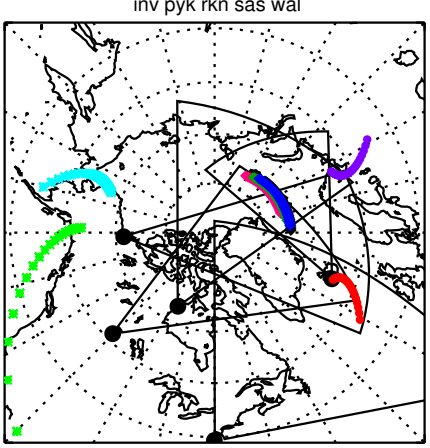


ker zho

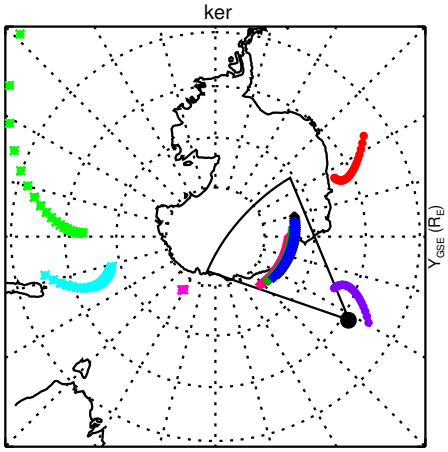


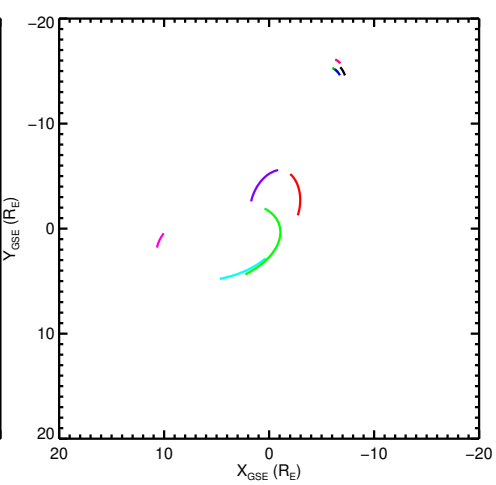


(b) 0235UT to 0505UT
inv pyk rkn sas wal

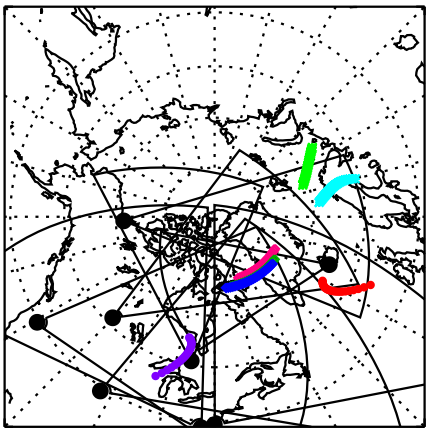


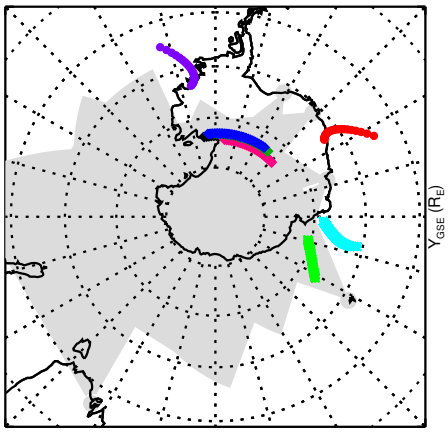
ker

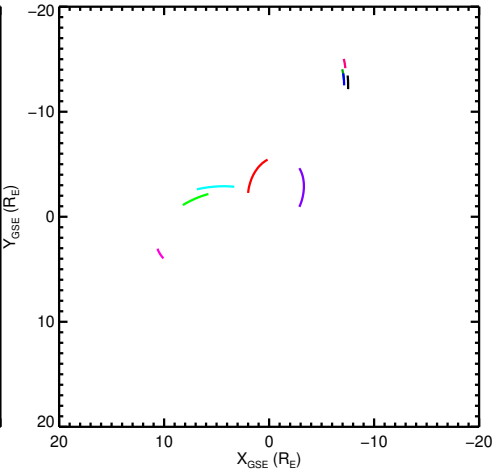




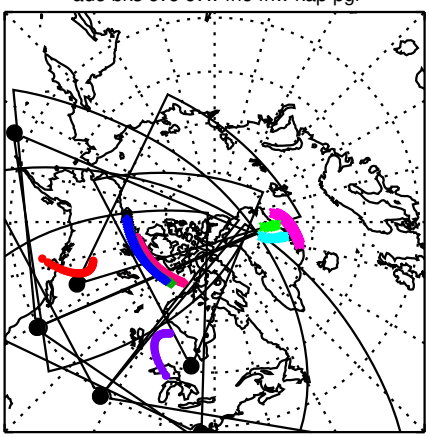
(c) 0715UT to 0925UT
bks cve fhe inv kap sas sto wal



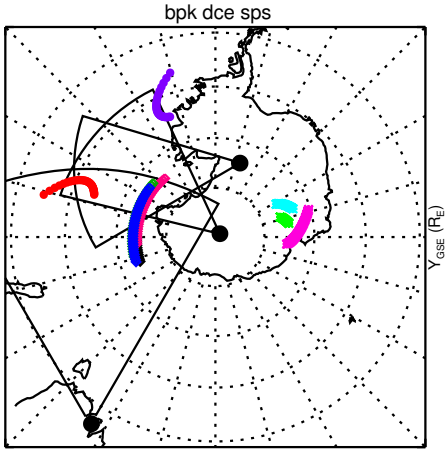


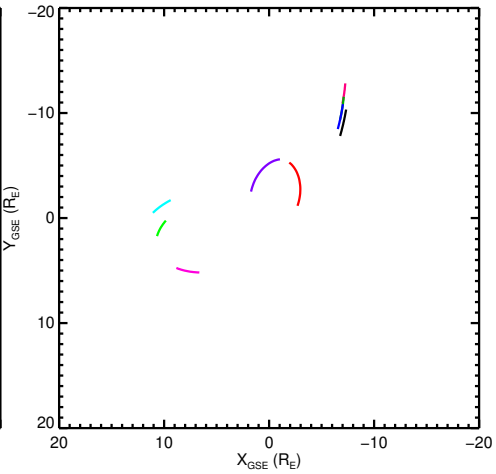


(d) 1130UT to 1410UT
ade bks cve cvw fhe fhw kap pgr

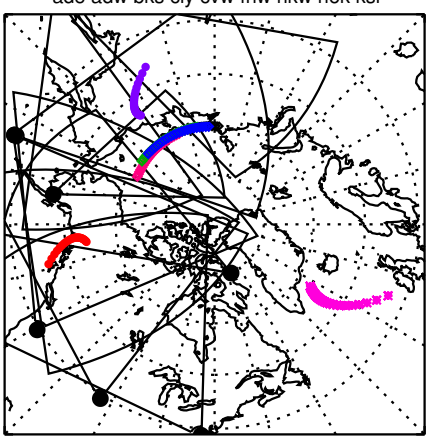


bpk dce sps

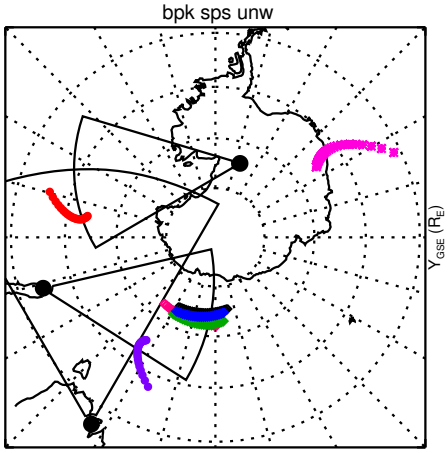


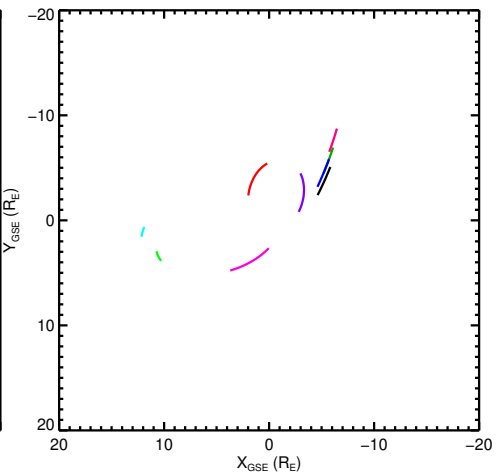


(e) 1615UT to 1820UT
ade adw bks cly cvw fhw hkw hok ksr

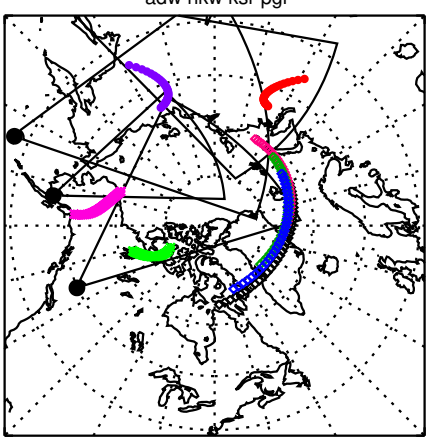


bpk sps unw

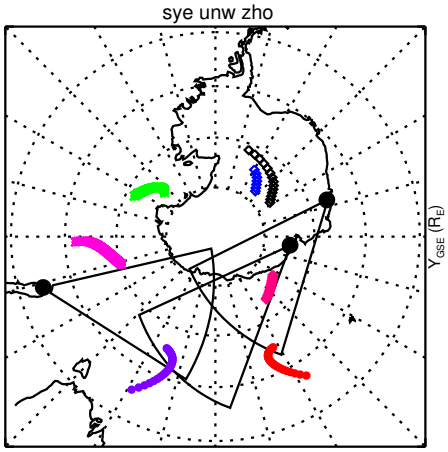


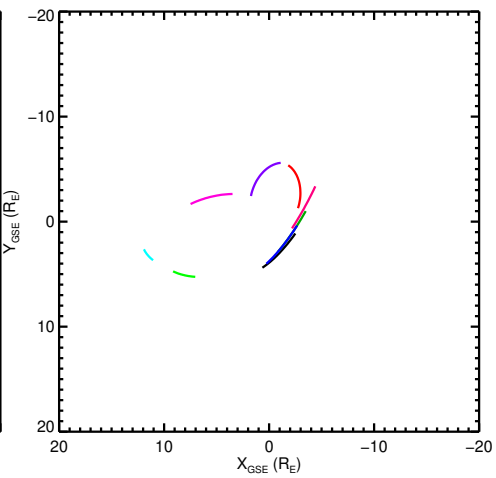


(f) 2030UT to 2315UT
adw hkw ksr pgr



sye unw zho

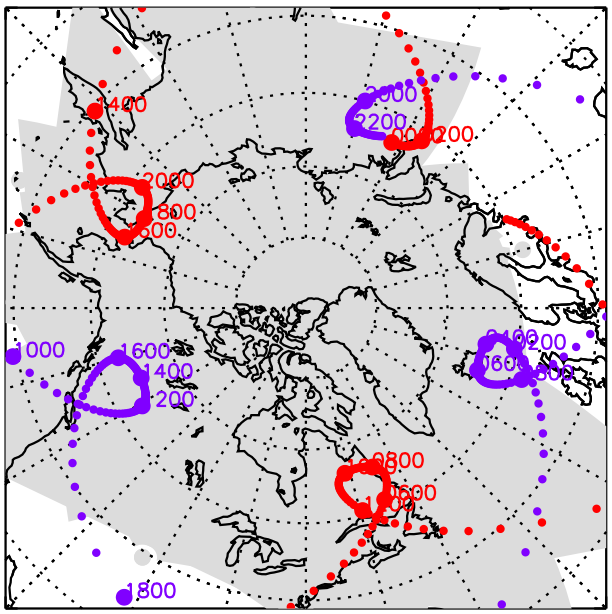


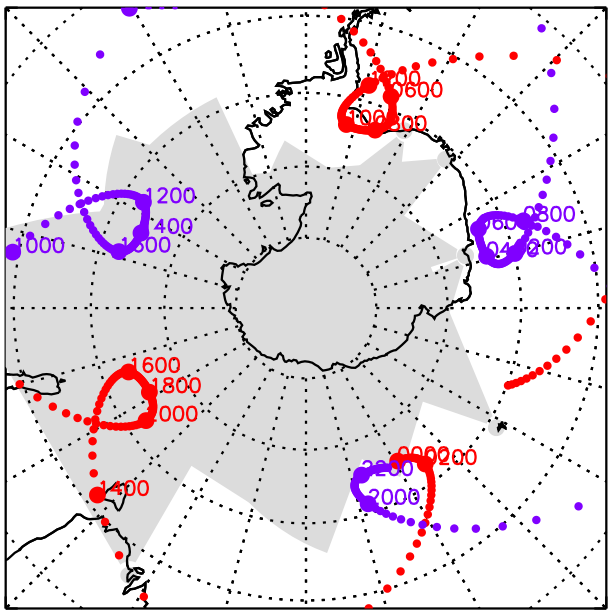


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

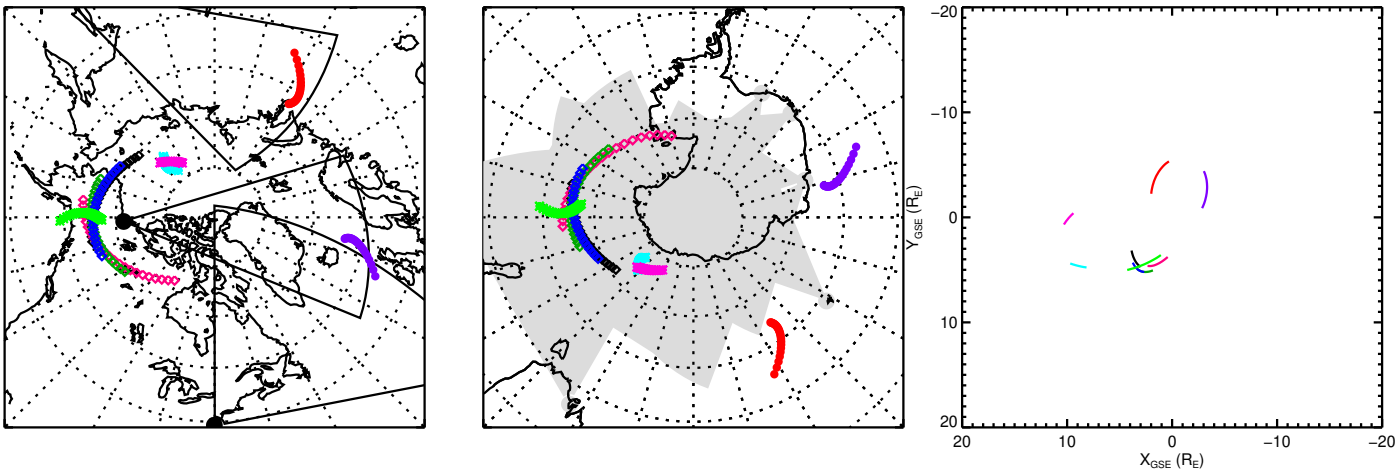
24–Jun–2016

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

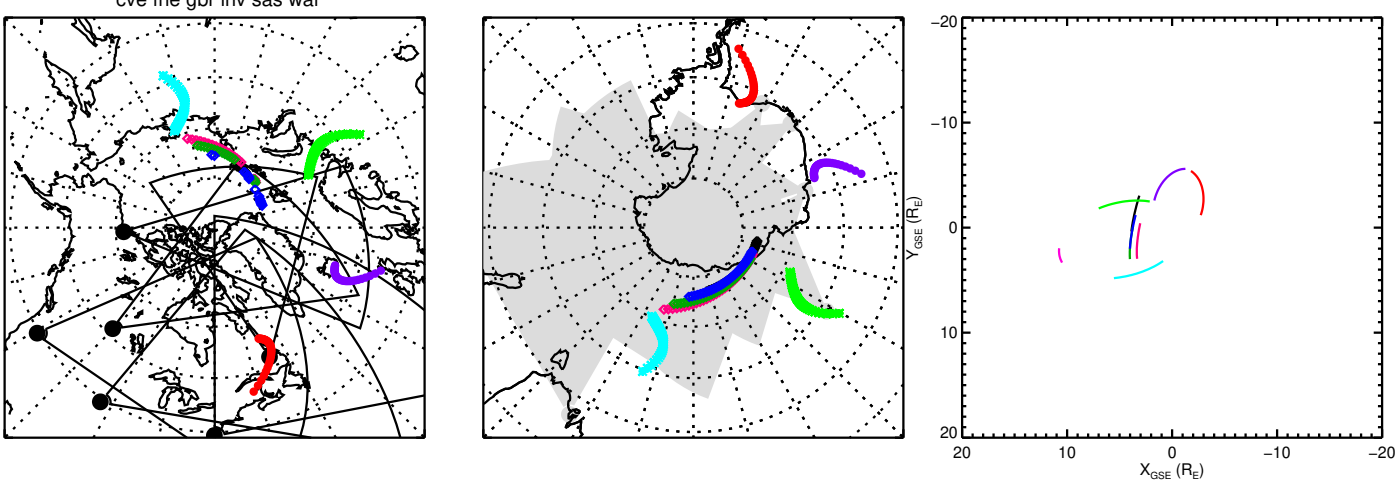




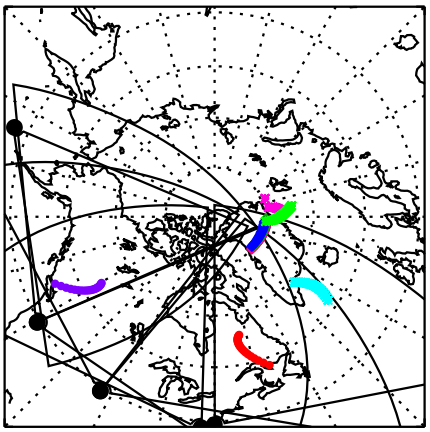
(a) 0120UT to 0320UT
hkw inv wal



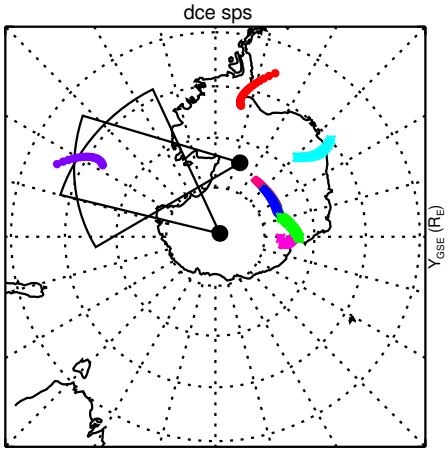
(b) 0525UT to 0815UT
cve fhe gbr inv sas wal

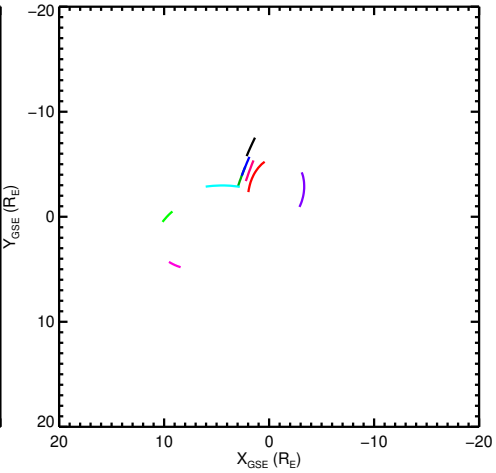


(c) 1025UT to 1215UT
ade bks cve cvw fhe fhw wal

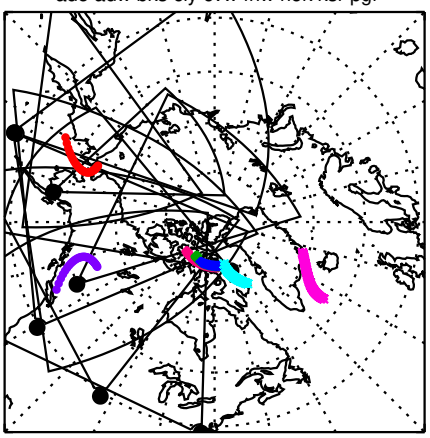


dce sps

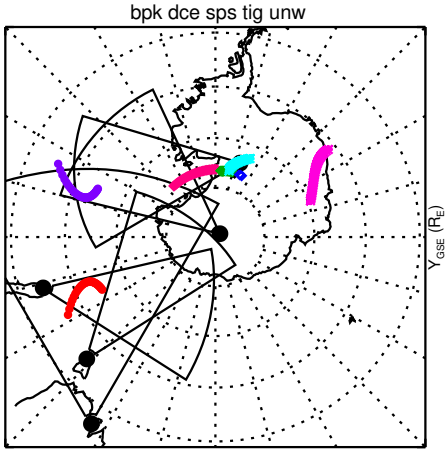


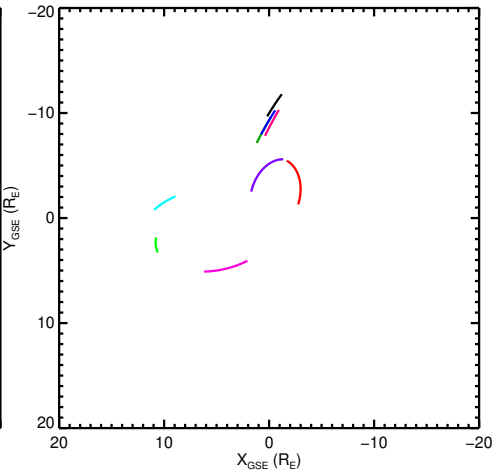


(d) 1425UT to 1720UT
ade adw bks cly cvw fhw hok ksr pgr

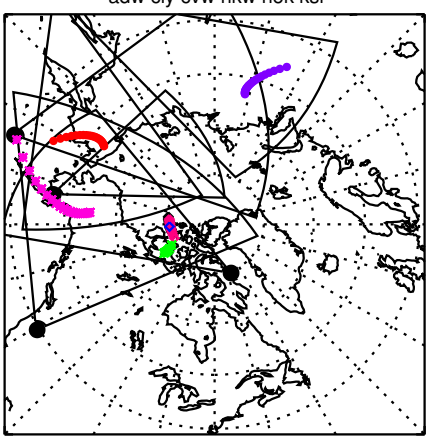


bpk dce sps tig unw

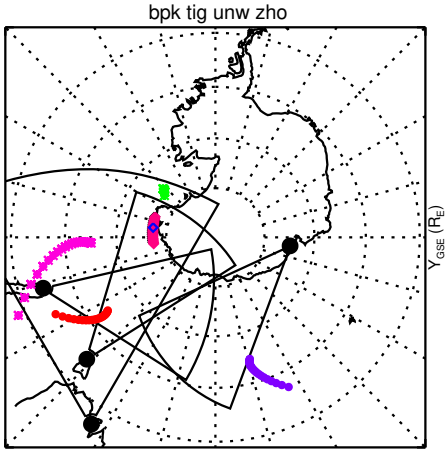


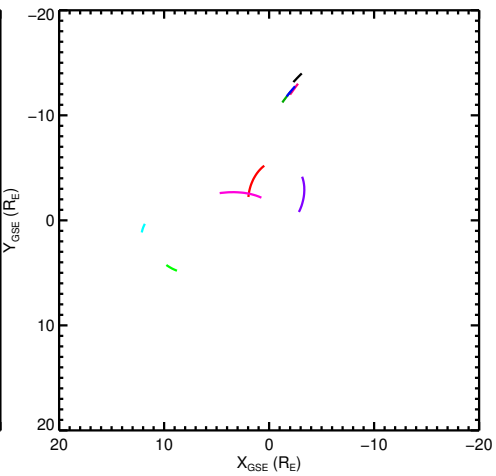


(e) 1925UT to 2115UT
adw cly cvw hkw hok ksr

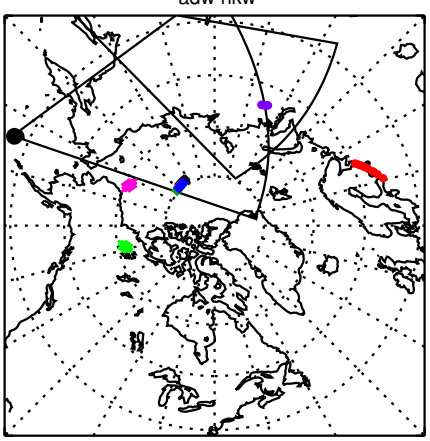


bpk tig unw zho

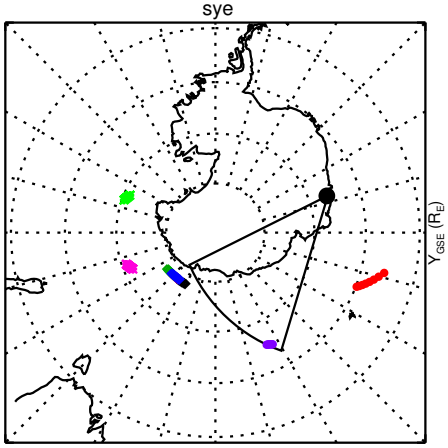


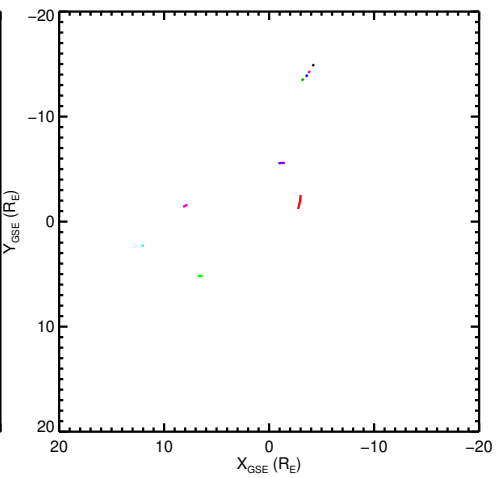


(f) 2320UT to 2355UT
adw hkw



sye

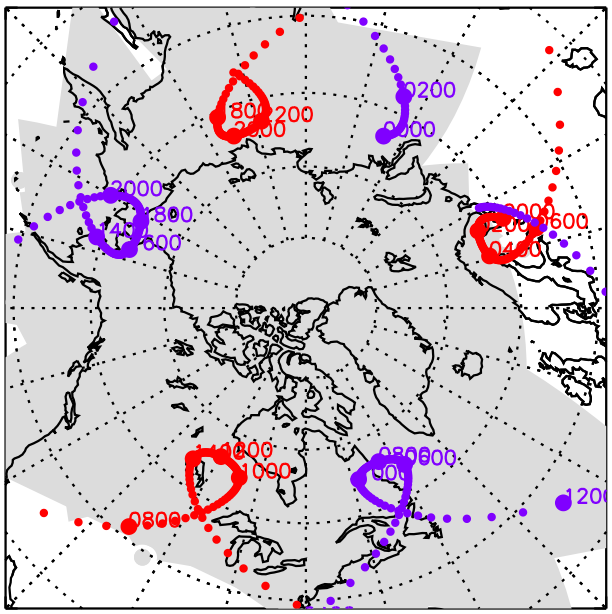


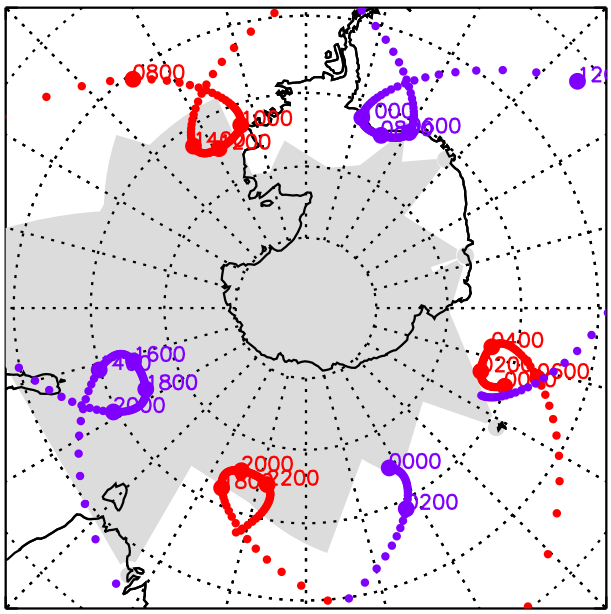


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

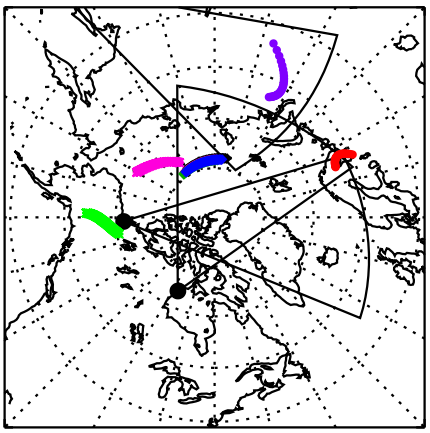
25–Jun–2016

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

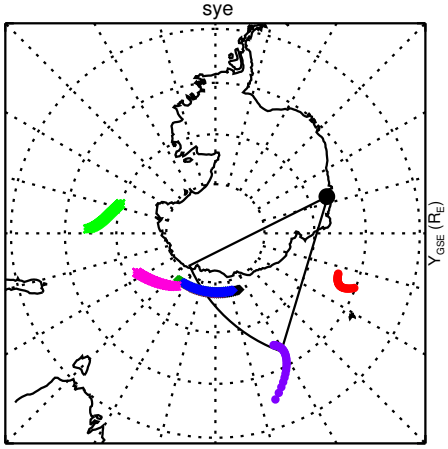


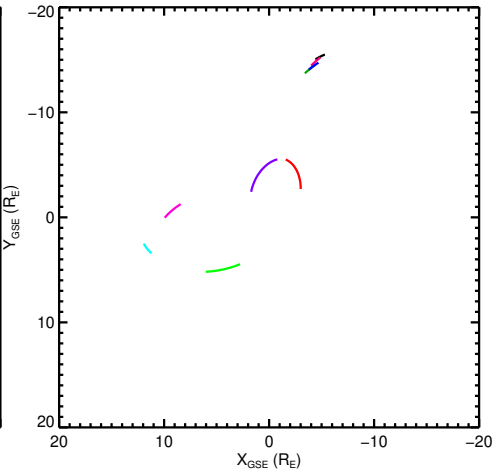


(a) 0000UT to 0225UT
hkw inv rkn

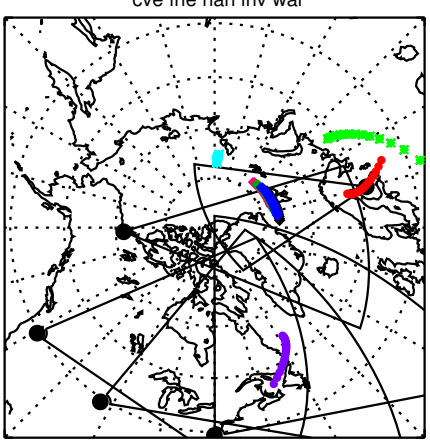


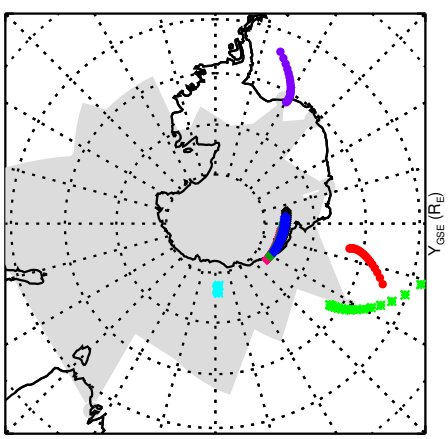
sye

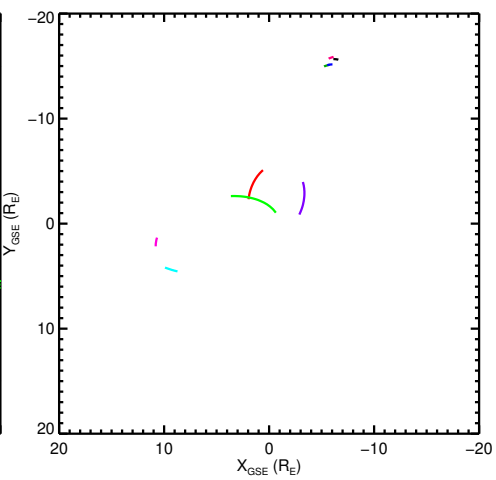




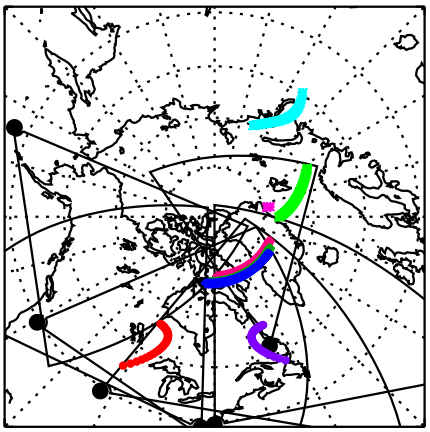
(b) 0430UT to 0610UT
cve fhe han inv wal



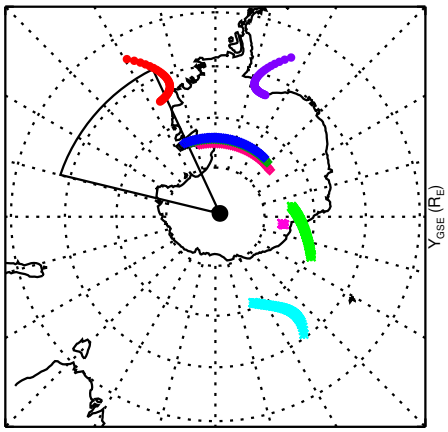


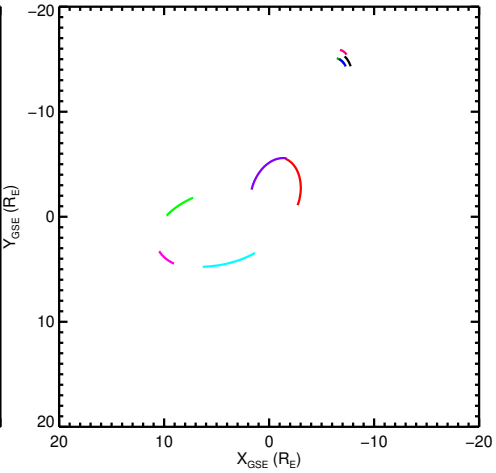


(c) 0815UT to 1125UT
ade bks cve fhe gbr wal

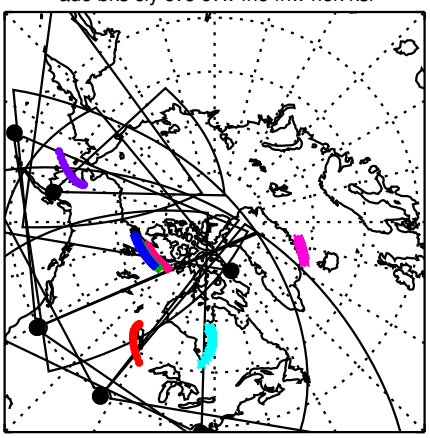


dce

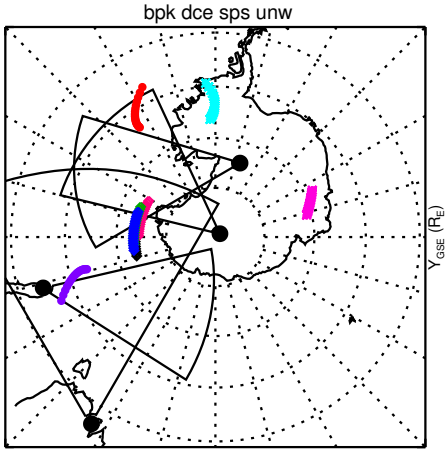


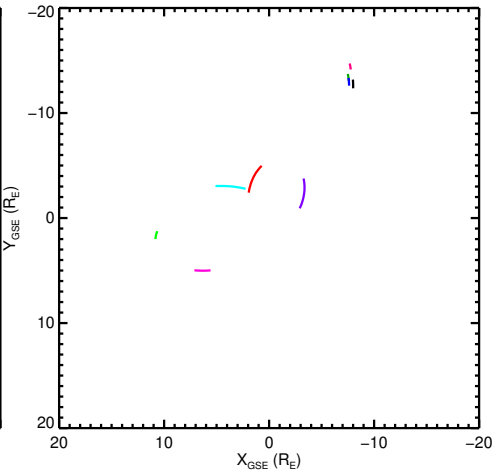


(d) 1335UT to 1505UT
ade bks cly cve cvw fhe fhw hok ksr

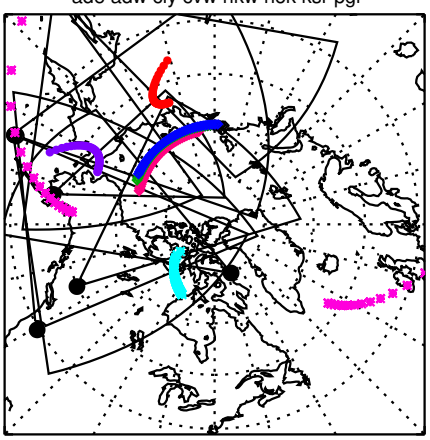


bpk dce sps unw

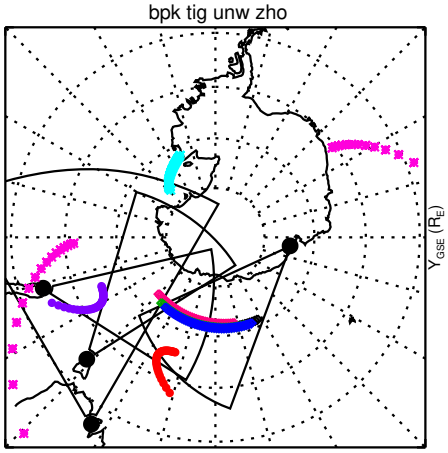


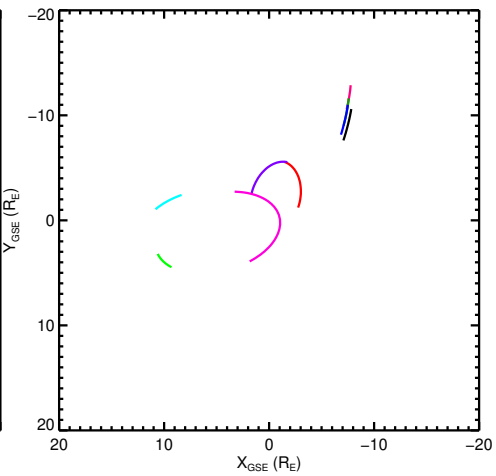


(e) 1715UT to 2030UT
ade adw cly cvw hkw hok ksr pgr

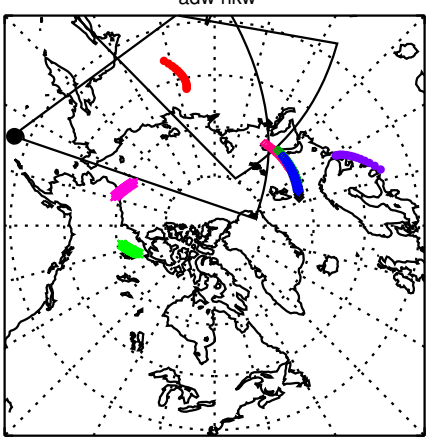


bpk tig unw zho

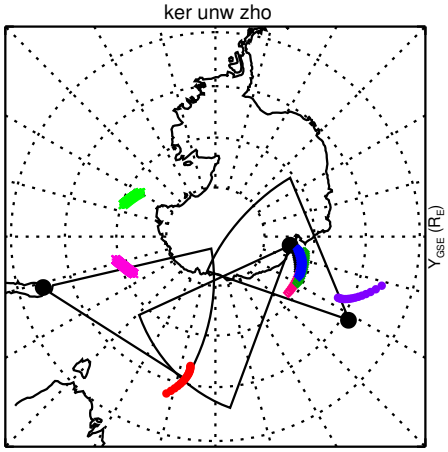


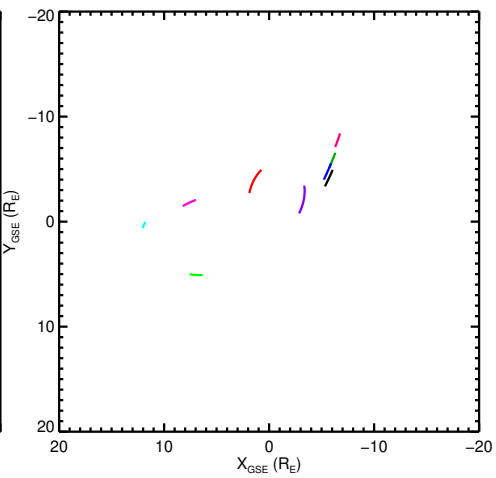


(f) 2235UT to 2355UT
adw hkw



ker unw zho

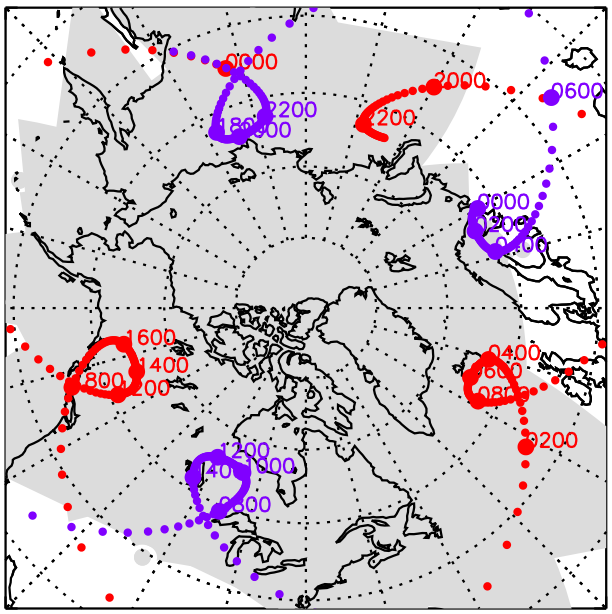


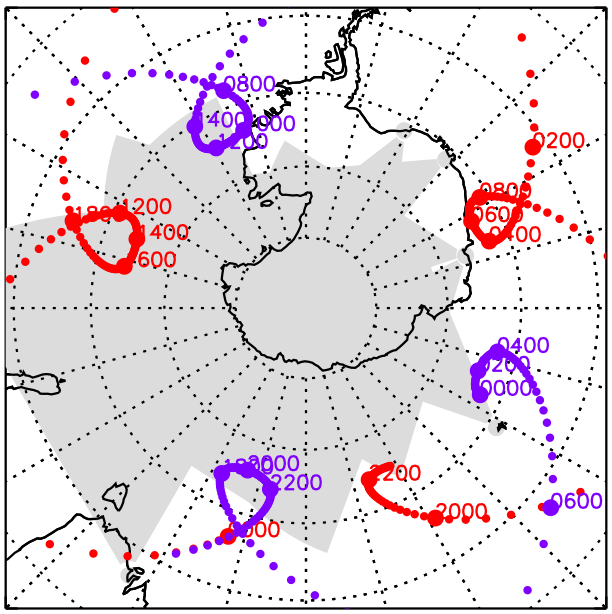


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

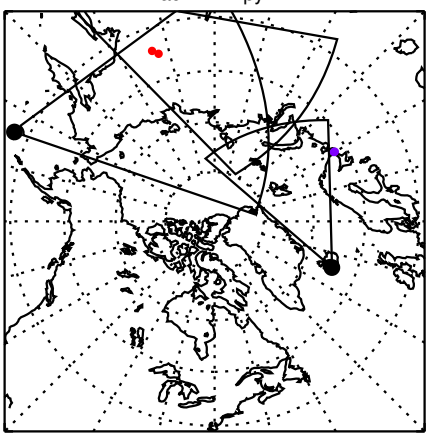
26–Jun–2016

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





(a) 0000UT to 0005UT
adw hkw pyk



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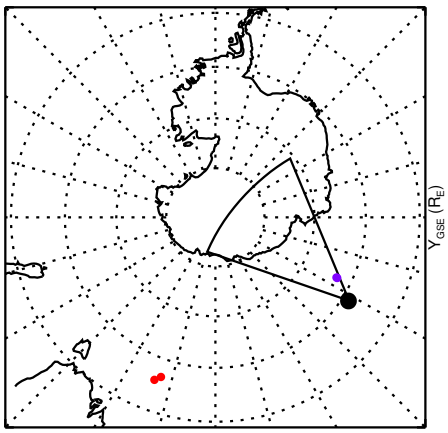
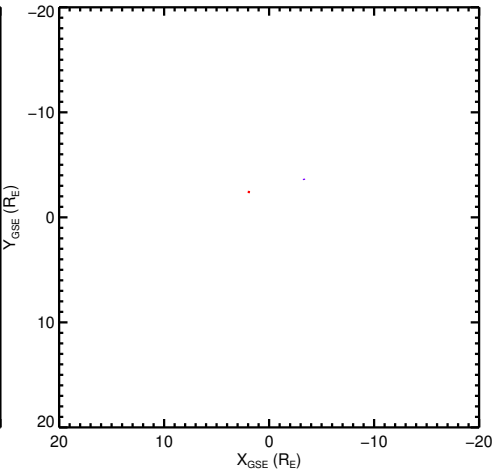
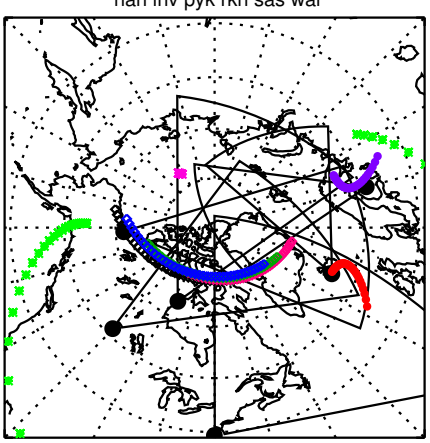
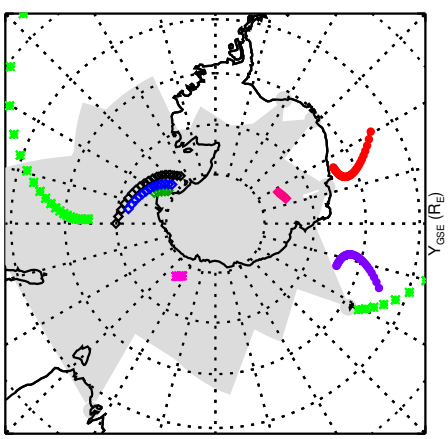
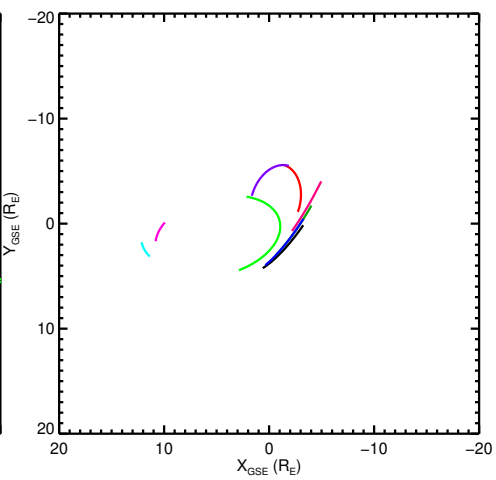




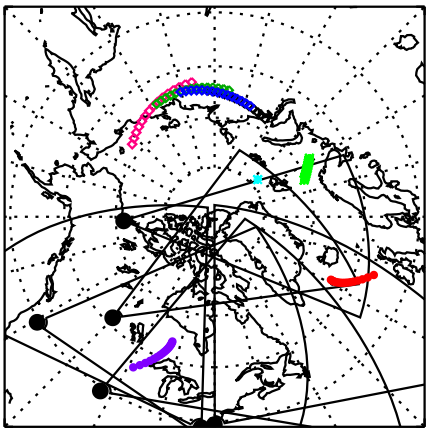
(b) 0210UT to 0530UT
han inv pyk rkn sas wal

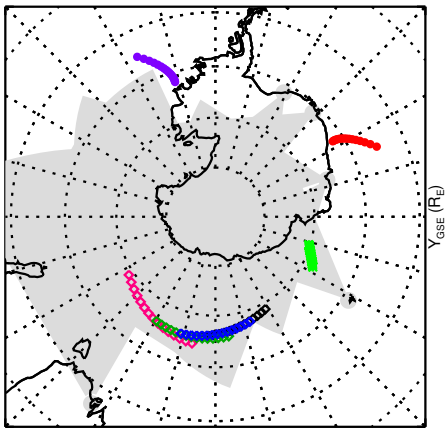


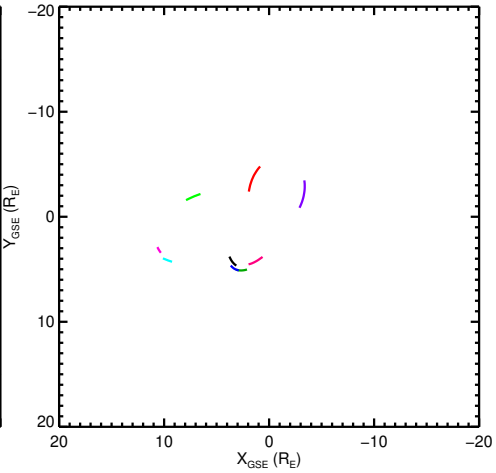




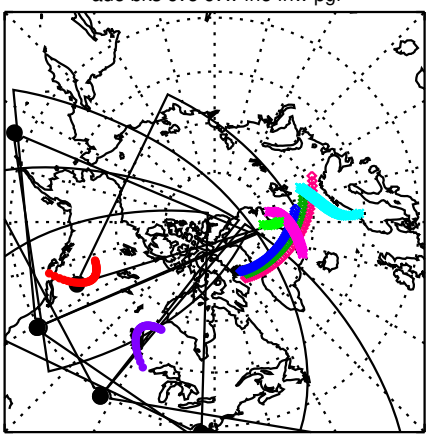
(c) 0740UT to 0900UT
bks cve fhe inv sas wal



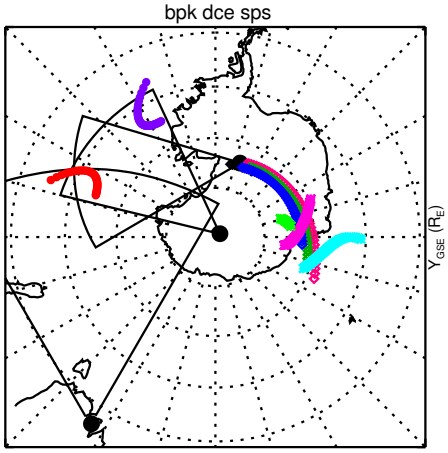


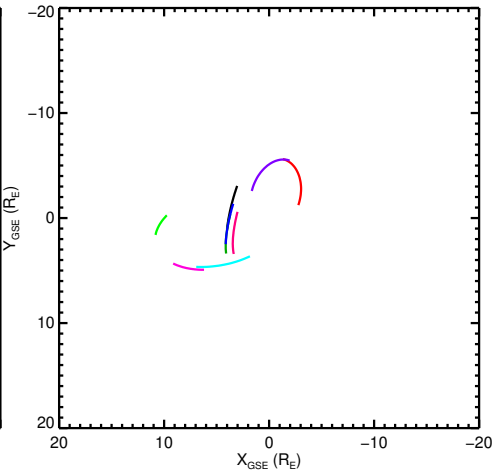


(d) 1110UT to 1435UT
ade bks cve cvw fhe fhw pgr

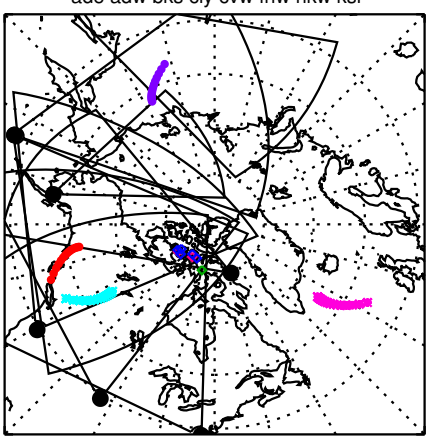


bpk dce sps

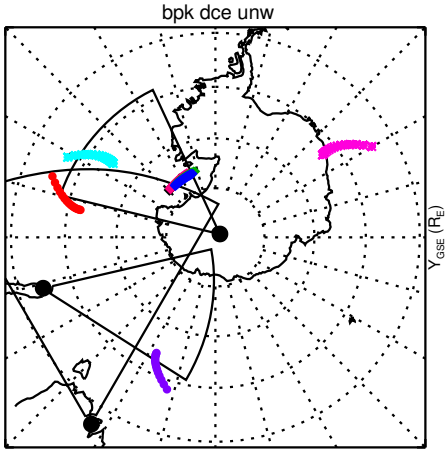


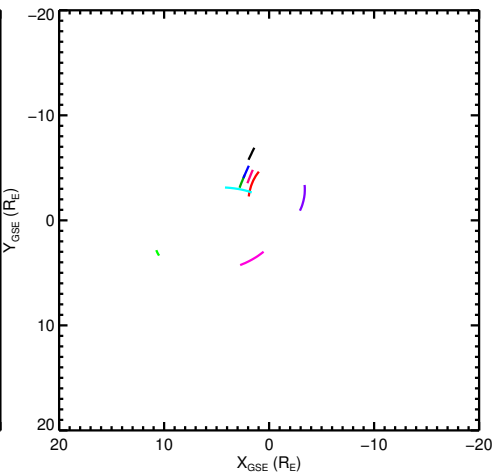


(e) 1645UT to 1800UT
ade adw bks cly cvw fhw hkw ksr

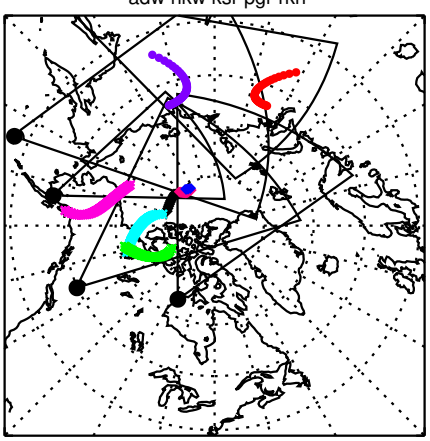


bpk dce unw

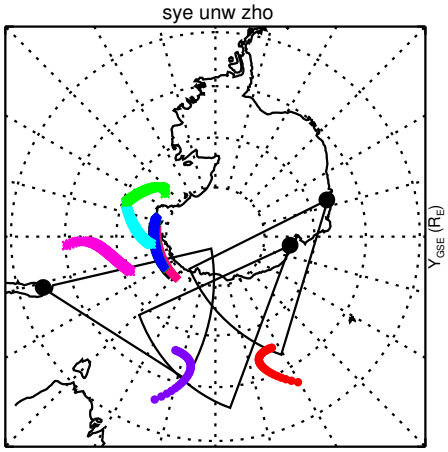


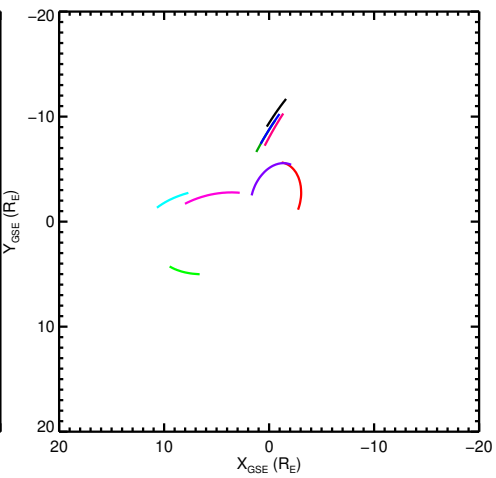


(f) 2005UT to 2340UT
adw hkw ksr pgr rkn



sye unw zho

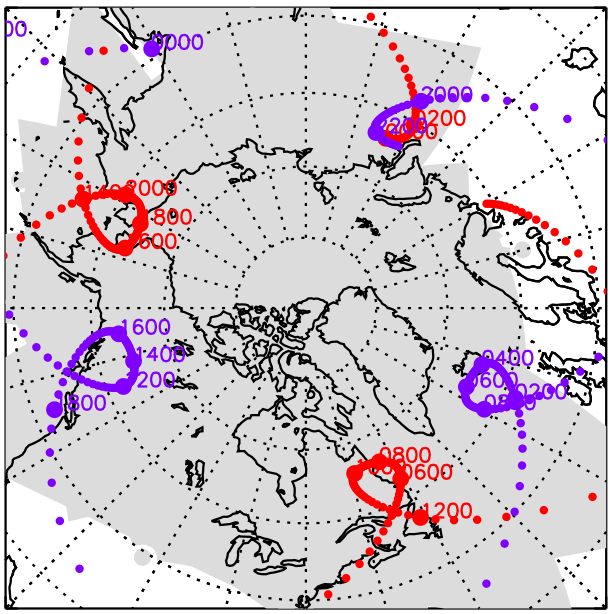


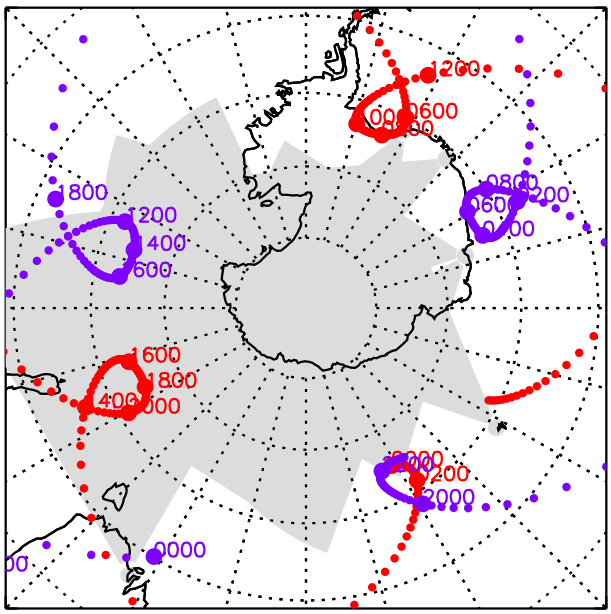


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

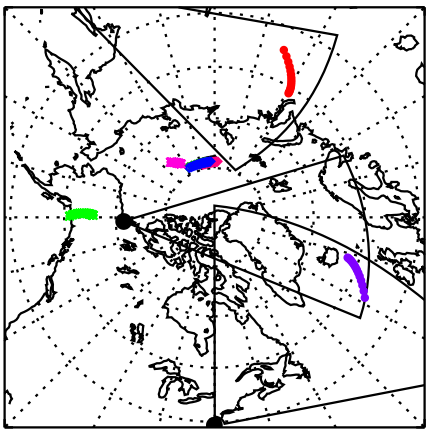
27–Jun–2016

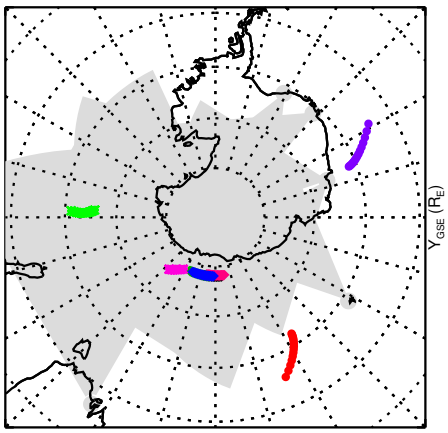
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

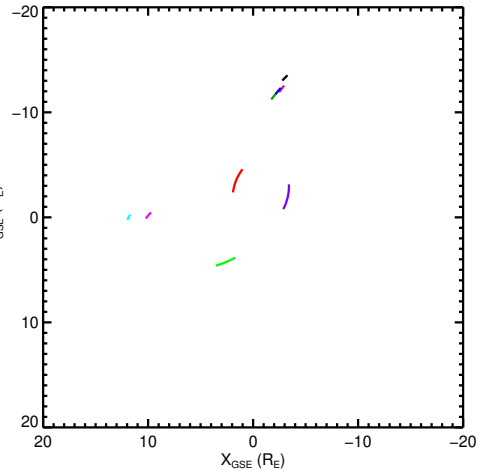




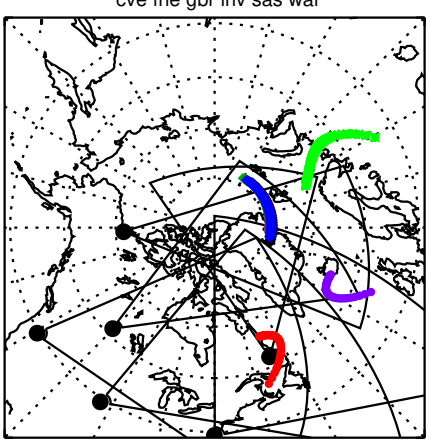
(a) 0145UT to 0255UT
hkw inv wal

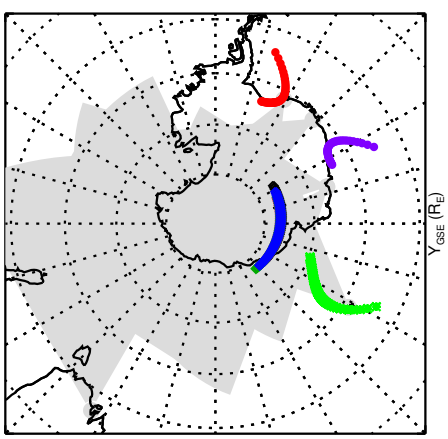


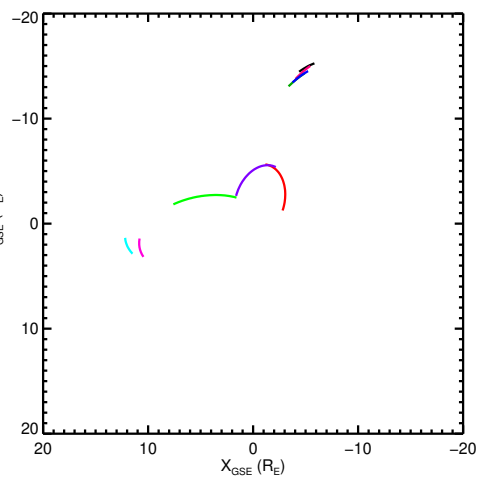




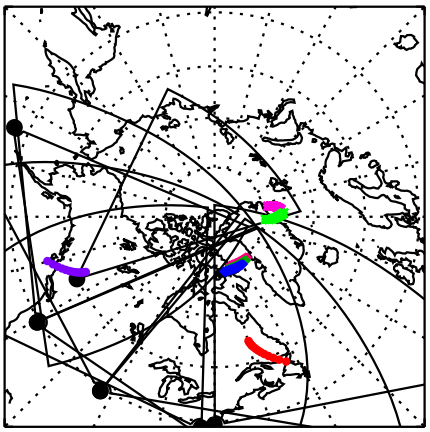
(b) 0505UT to 0840UT
cve fhe gbr inv sas wal



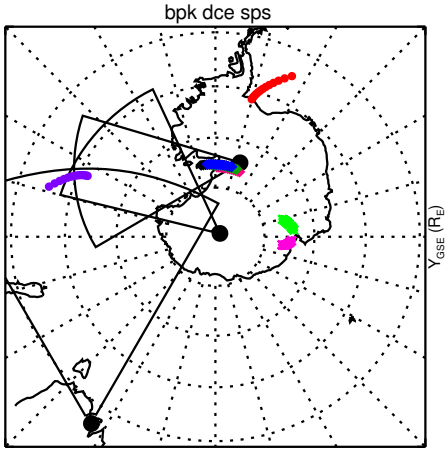


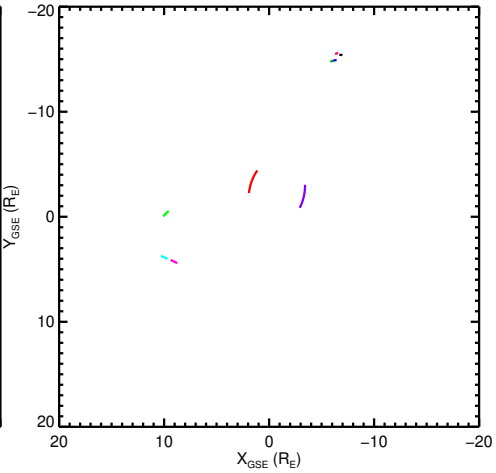


(c) 1050UT to 1155UT
ade bks cve cvw fhe fhw pgr wal

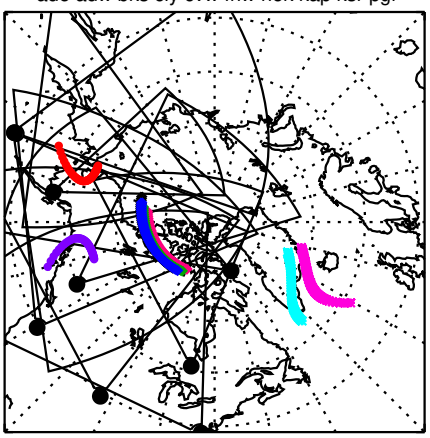


bpk dce sps

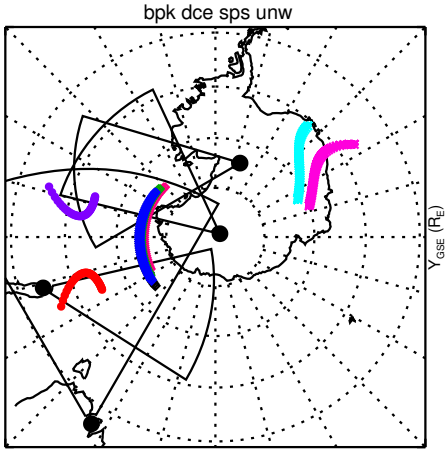


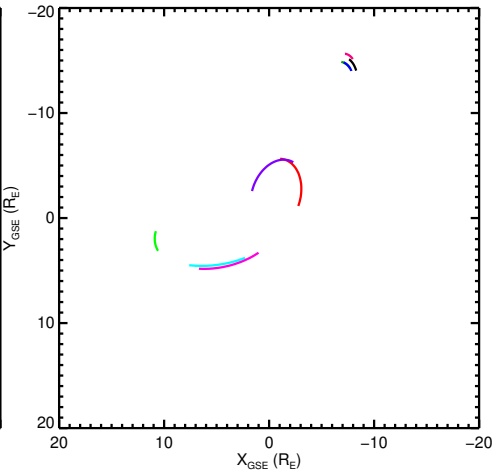


(d) 1400UT to 1745UT
ade adw bks cly cvw fhw hok kap ksr pgr

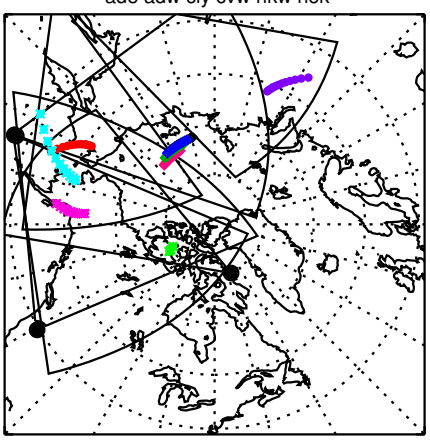


bpk dce sps unw

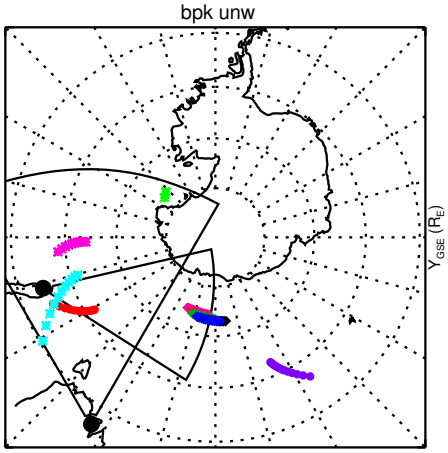


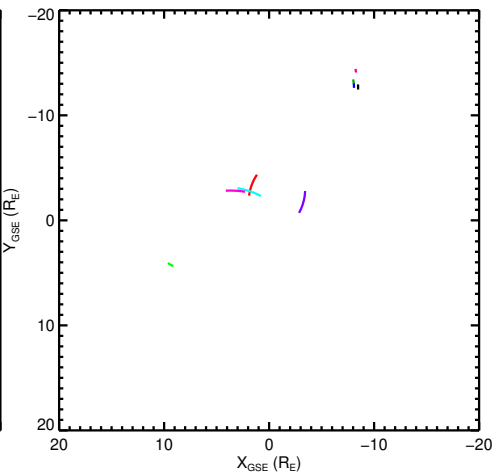


(e) 1950UT to 2050UT
ade adw cly cvw hkw hok

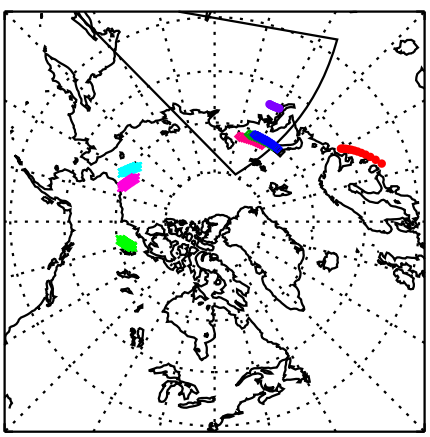


bpk unw

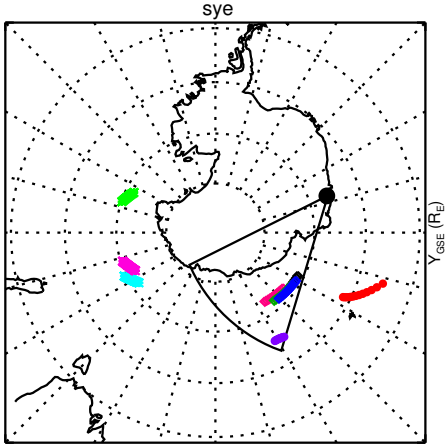


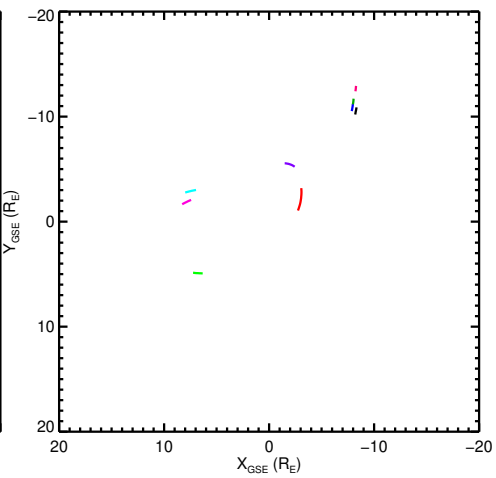


(f) 2255UT to 2355UT
hkw



sye

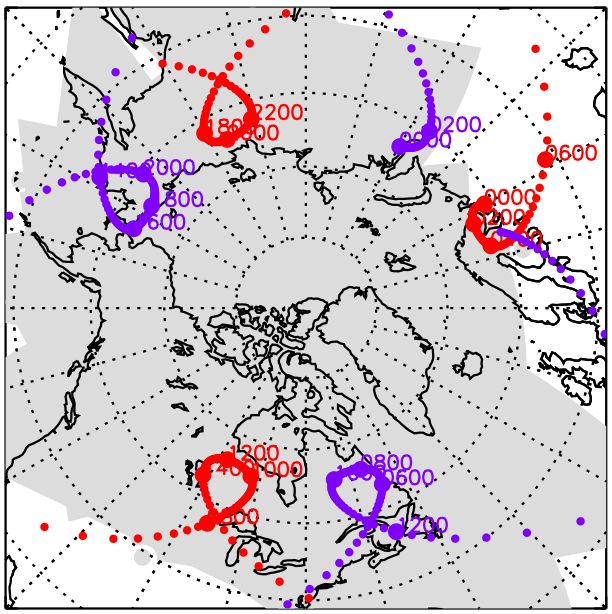


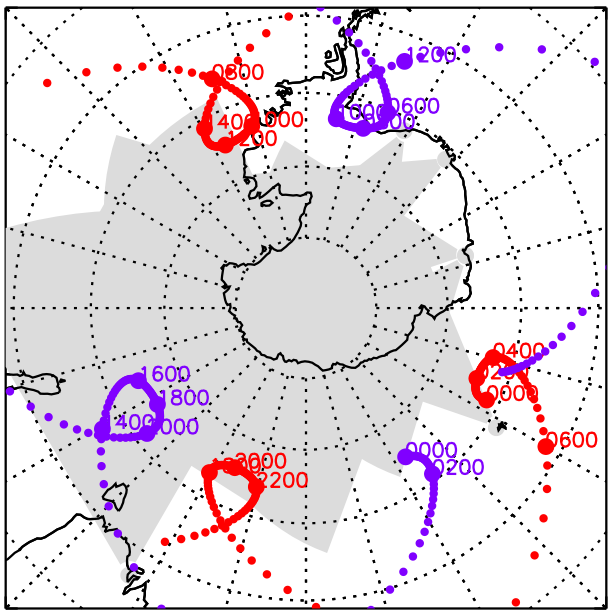


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

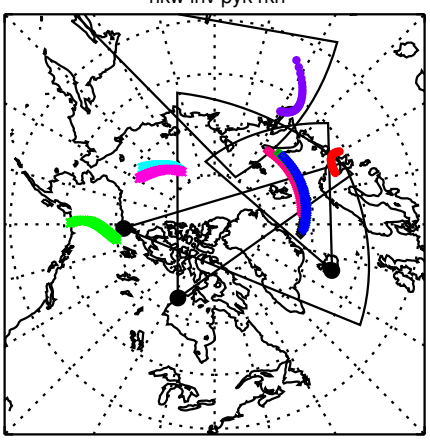
28–Jun–2016

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

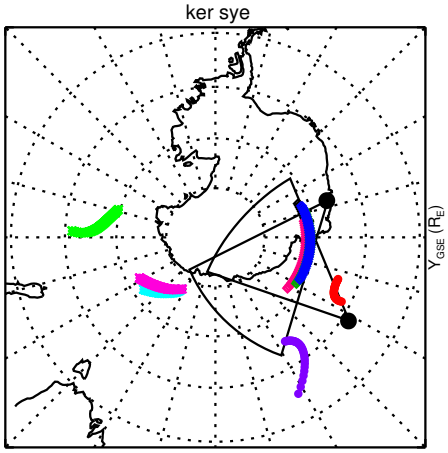


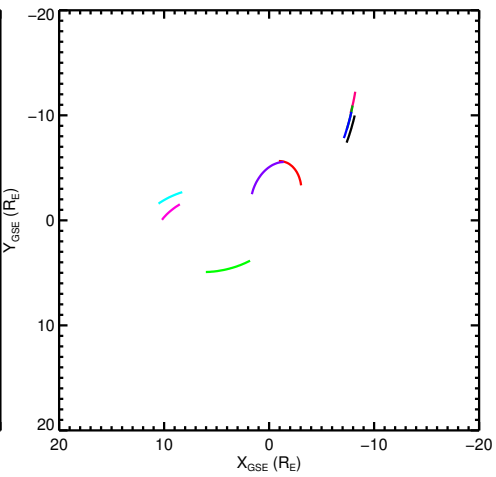


(a) 0000UT to 0250UT
hkw inv pyk rkn

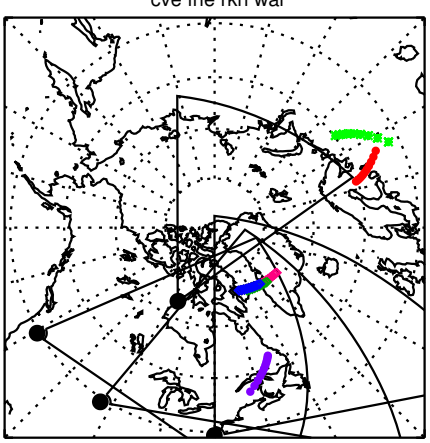


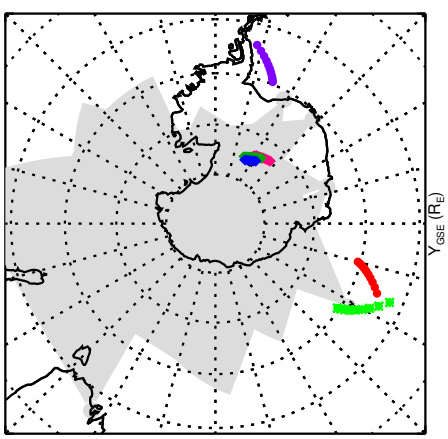
ker sye

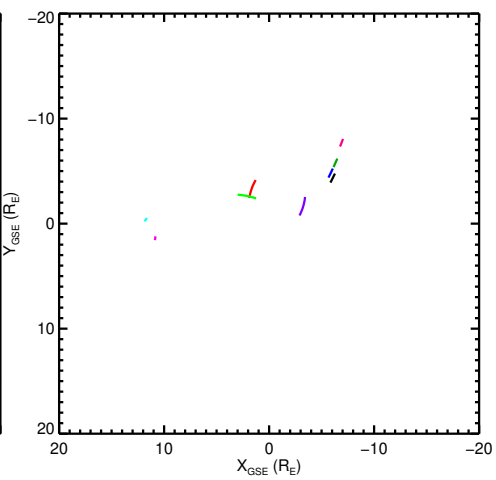




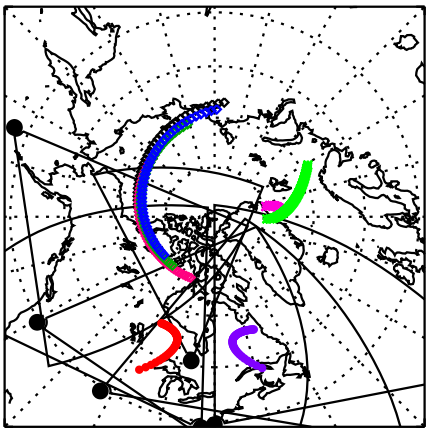
(b) 0455UT to 0545UT
cve fhe rkn wal



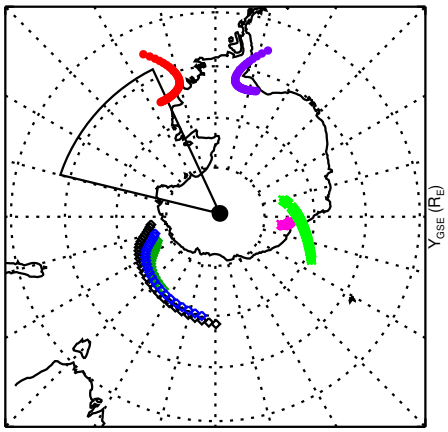


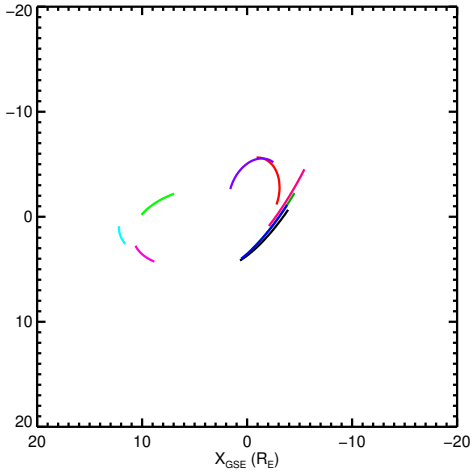


(c) 0755UT to 1150UT
ade bks cve fhe kap wal

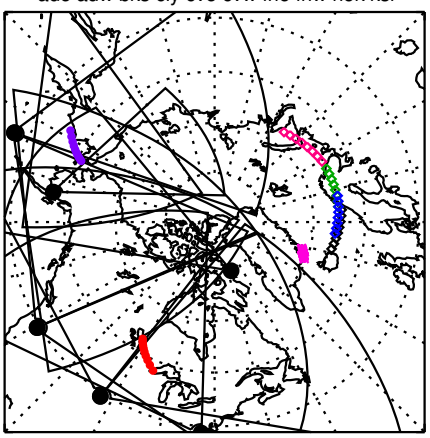


dce

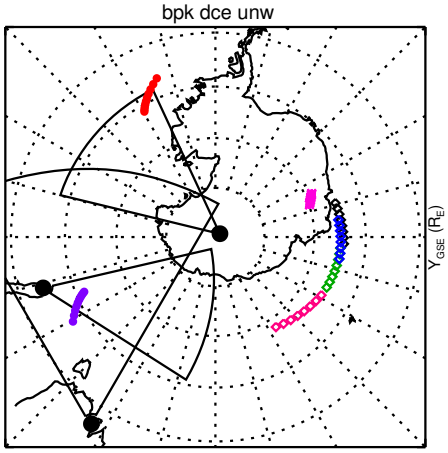


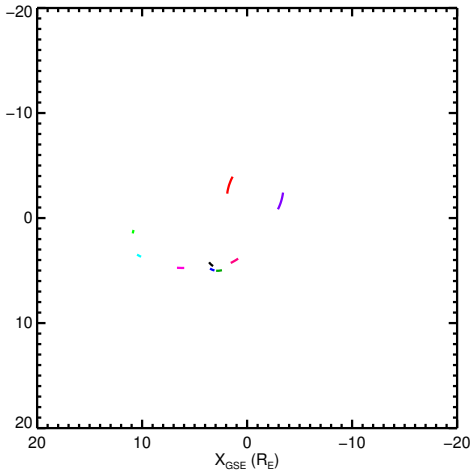


(d) 1400UT to 1445UT
ade adw bks cly cve cvw fhe fhw hok ksr

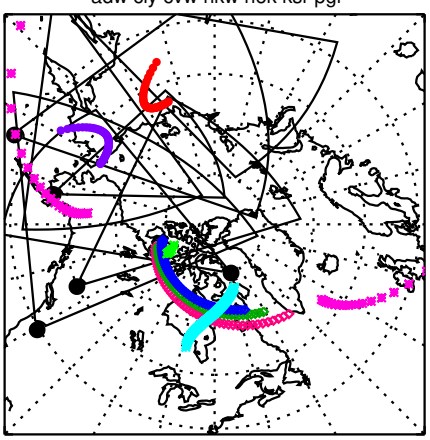


bpk dce unw

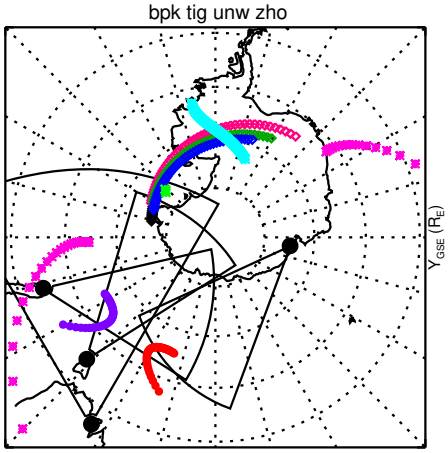


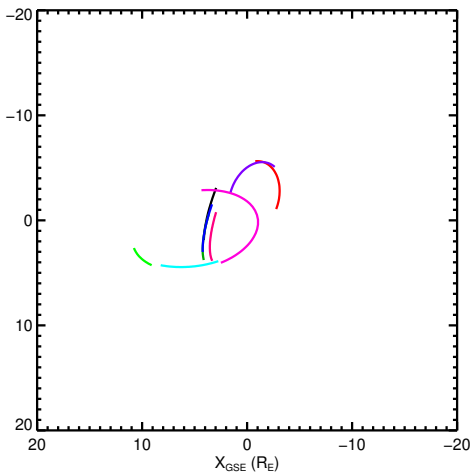


(e) 1650UT to 2055UT
adw cly cvw hkw hok ksr pgr

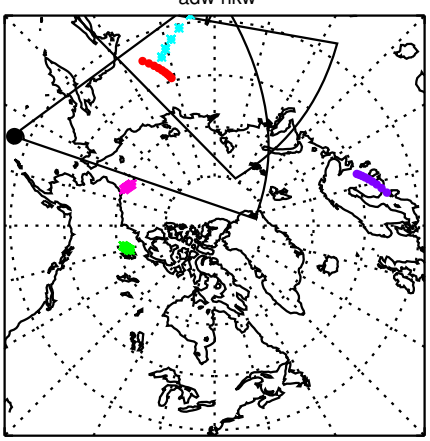


bpk tig unw zho

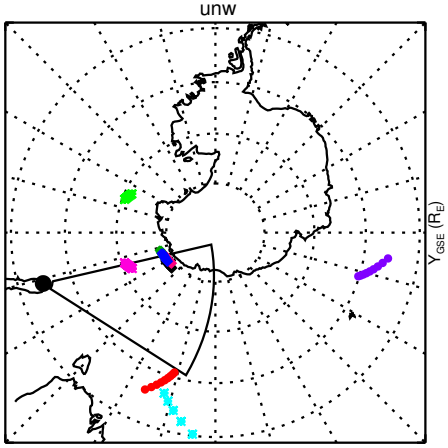


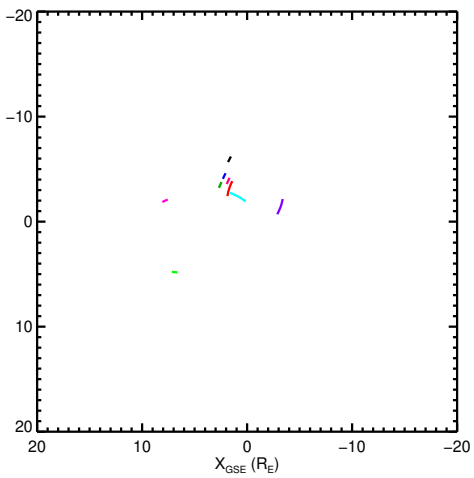


(f) 2300UT to 2340UT
adw hkw



unw

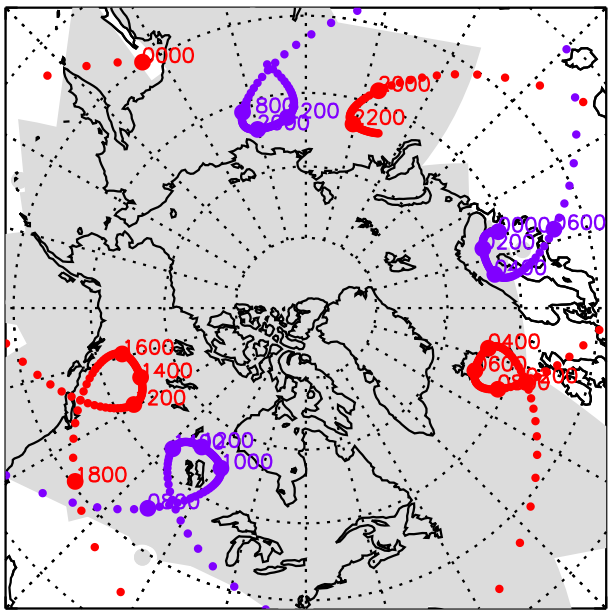


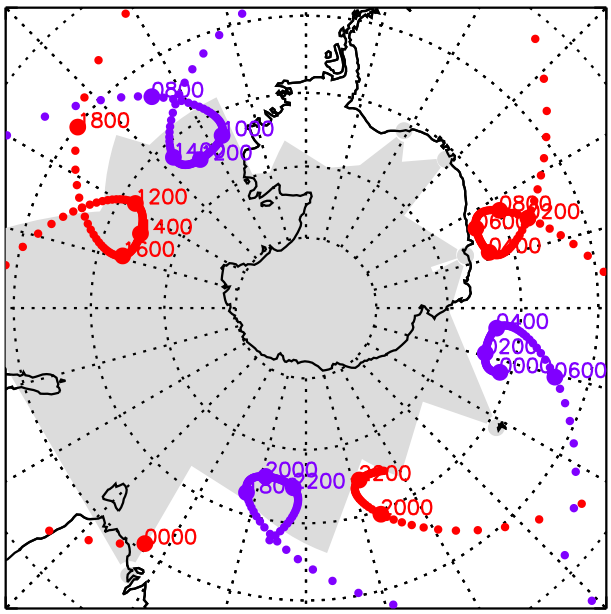


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

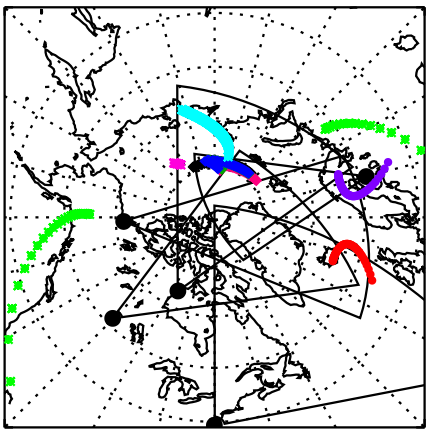
29–Jun–2016

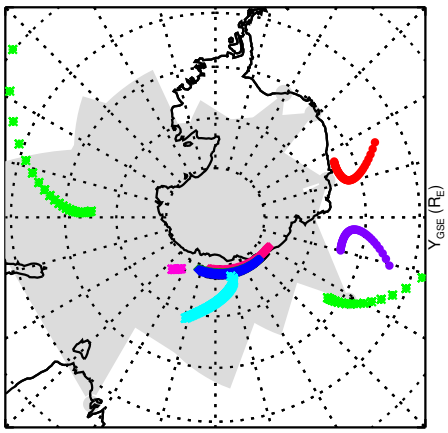
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

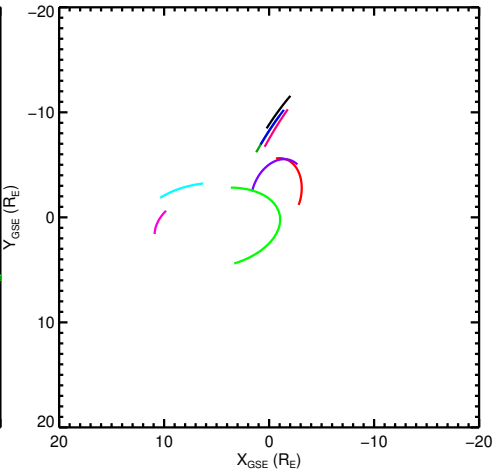




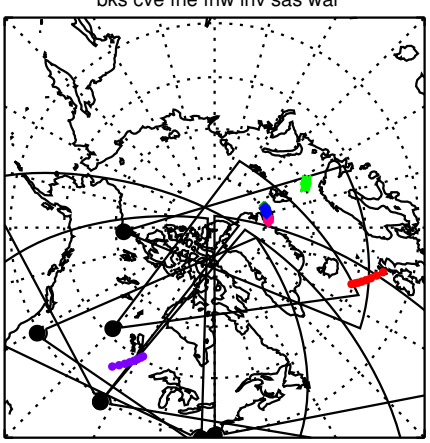
(a) 0150UT to 0600UT
han inv rkn sas wal



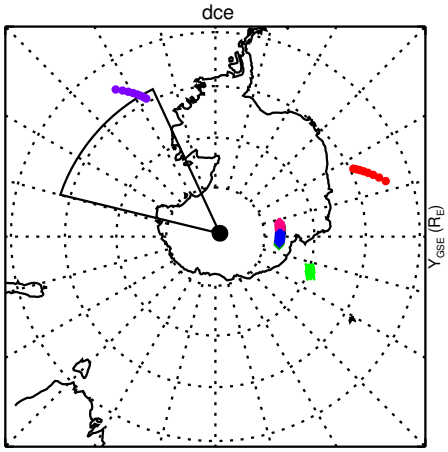


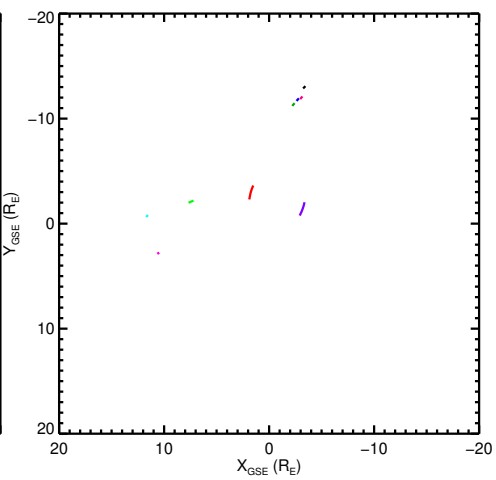


(b) 0805UT to 0840UT
bks cve fhe fhw inv sas wal

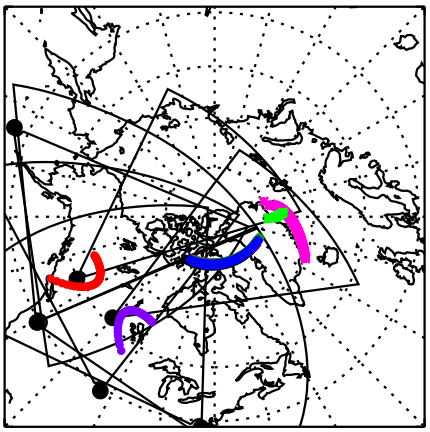


dce

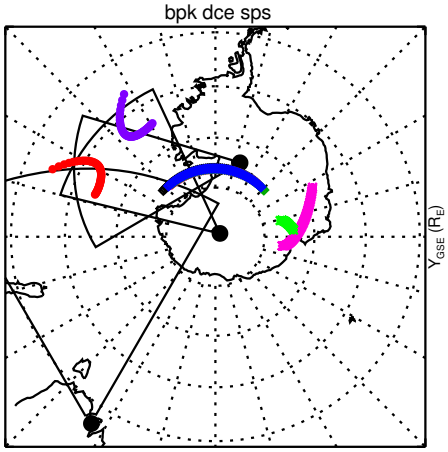


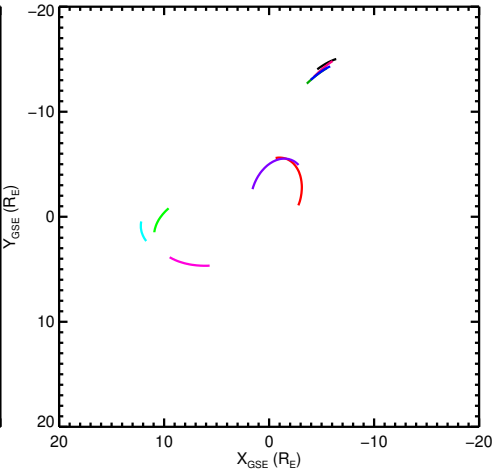


(c) 1045UT to 1500UT
ade bks cve cvw fhw pgr sas

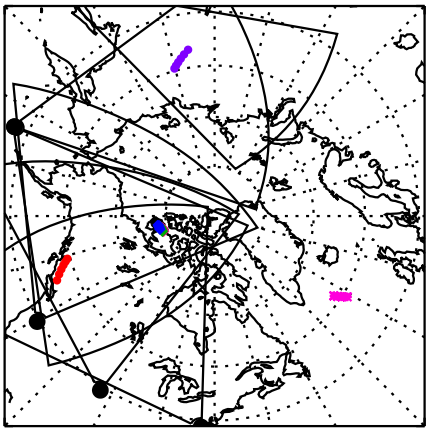


bpk dce sps

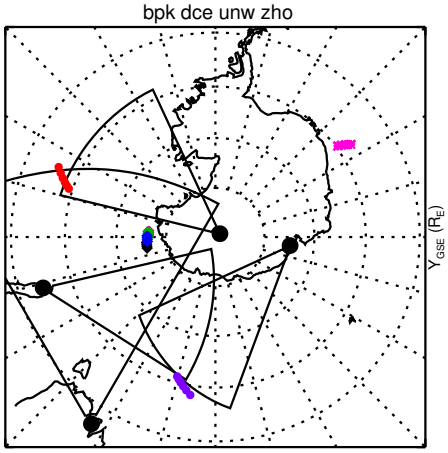


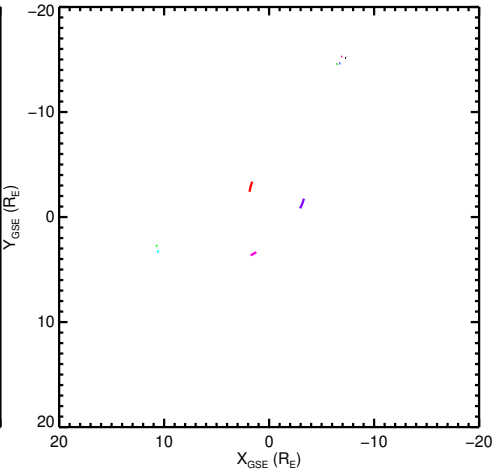


(d) 1710UT to 1735UT
ade adw bks cvw fhw hkw

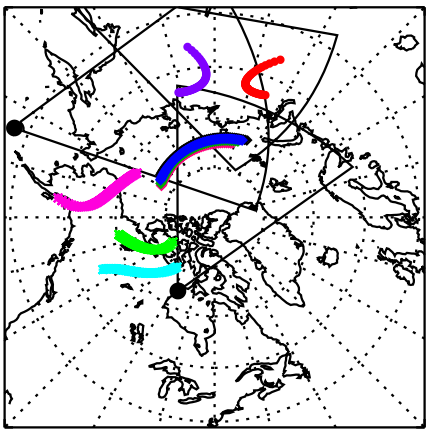


bpk dce unw zho

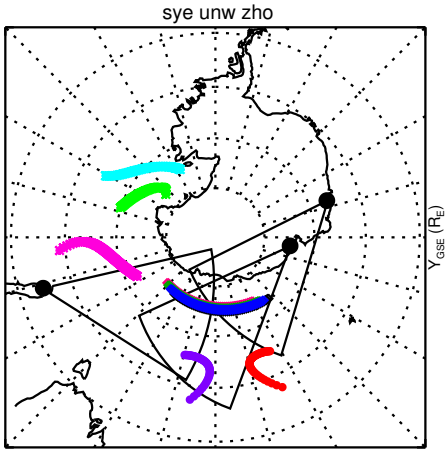


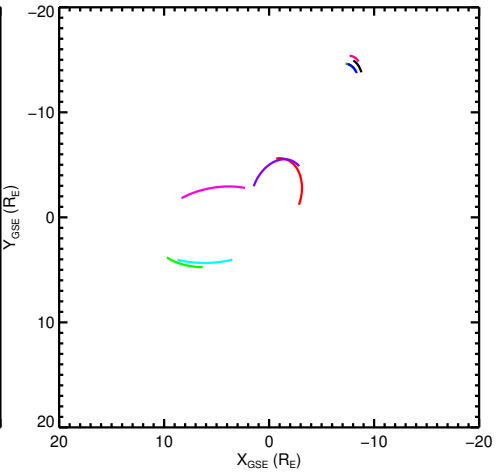


(e) 1945UT to 2355UT
adw hkw rkn



sye unw zho

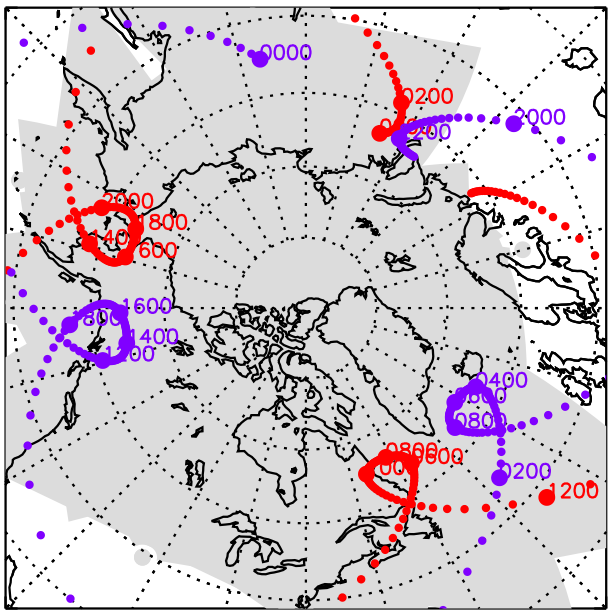


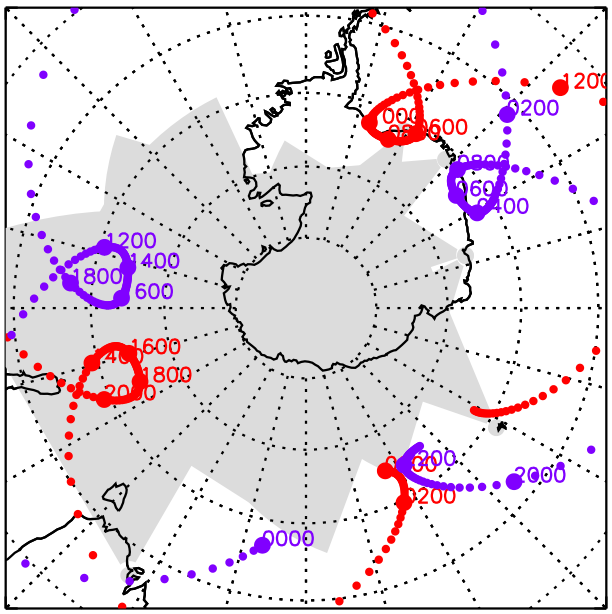


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

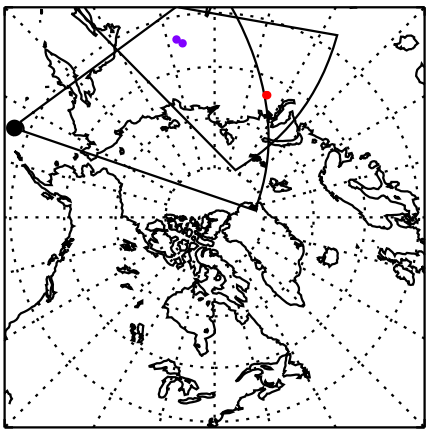
30–Jun–2016

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

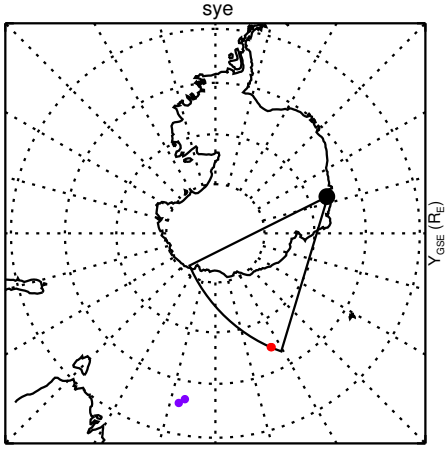


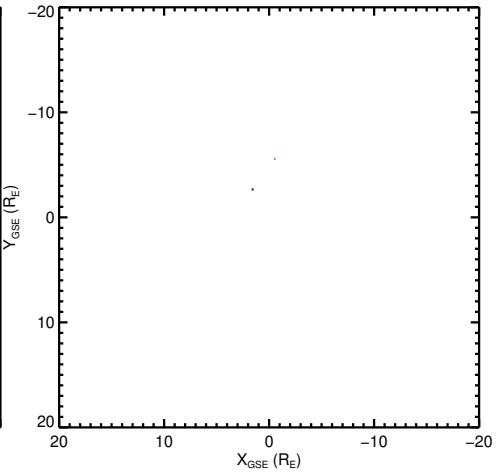


(a) 0000UT to 0005UT
adw hkw

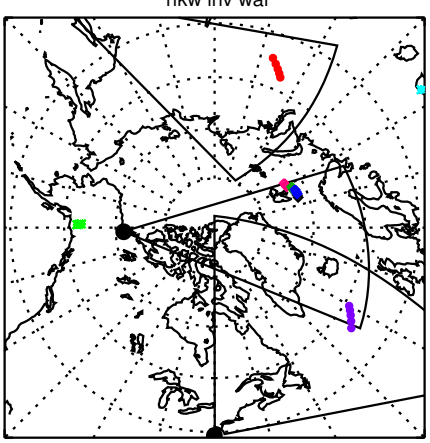


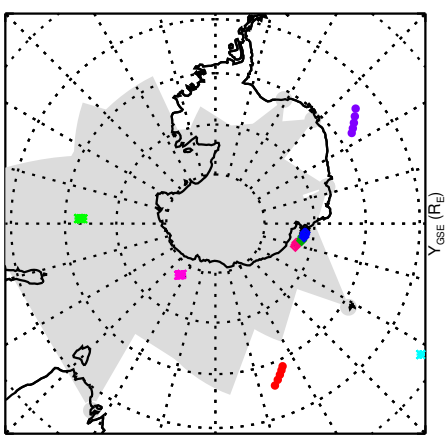
sye

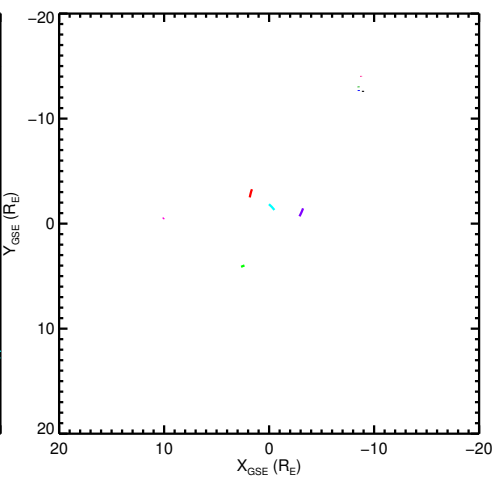




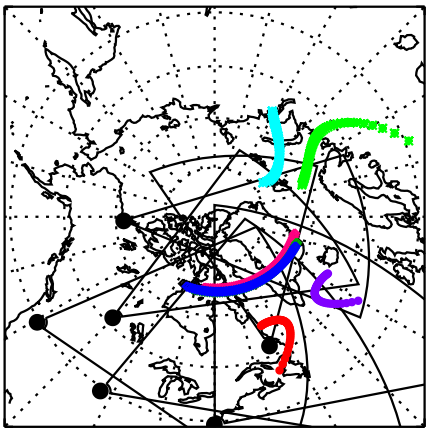
(b) 0210UT to 0230UT
hkw inv wal



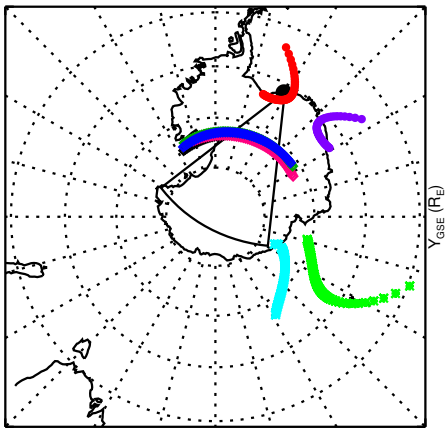


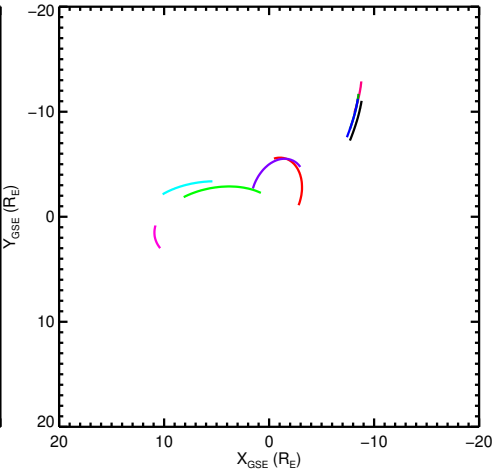


(c) 0440UT to 0905UT
cve fhe gbr inv sas wal

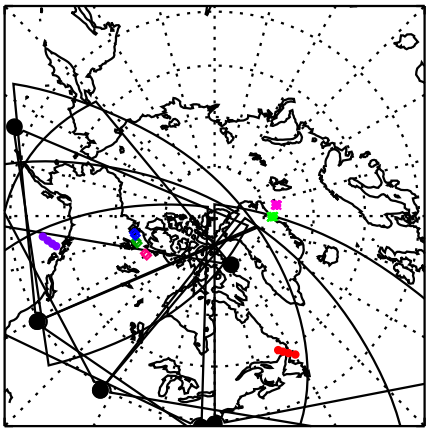


hal

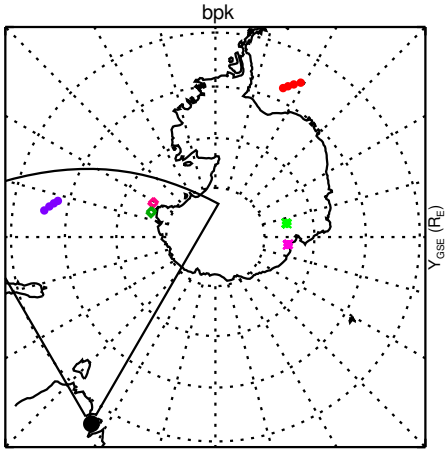


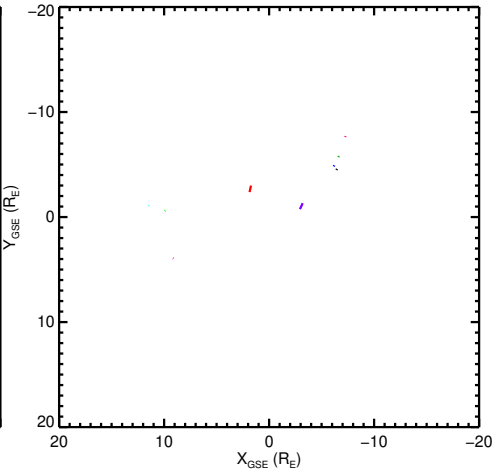


(d) 1115UT to 1130UT
ade bks cly cve cvw fhe fhw wal

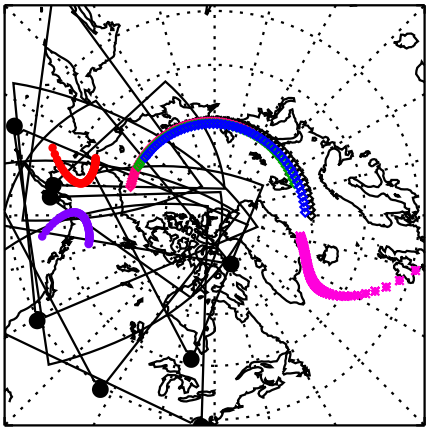


bpk

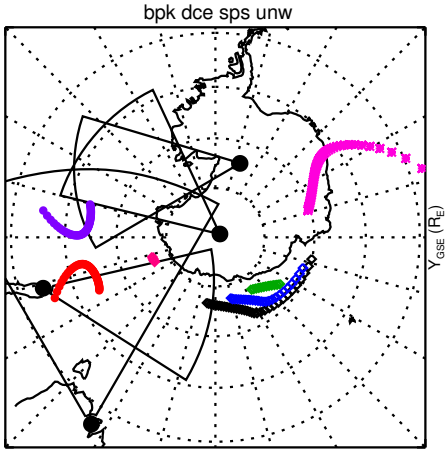


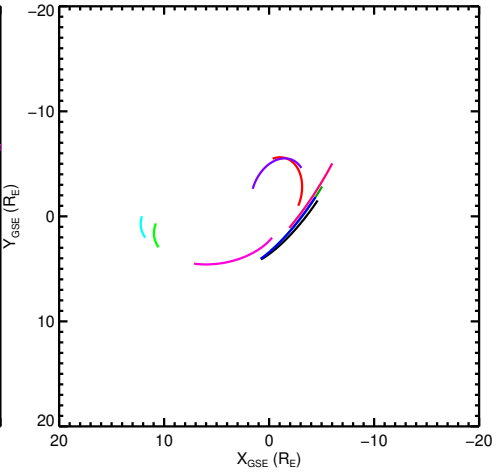


(e) 1335UT to 1810UT
ade bks cly cvw fhw hok kap kod ksr

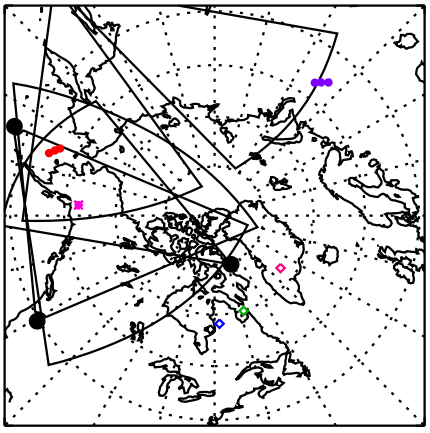


bpk dce sps unw

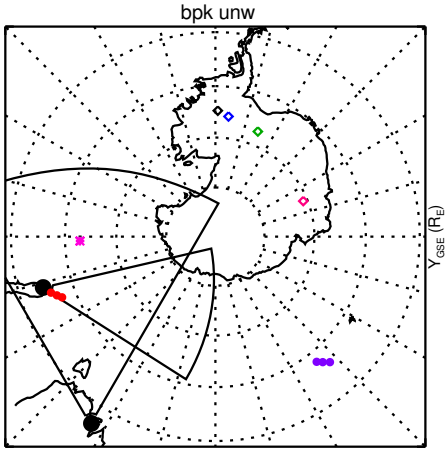


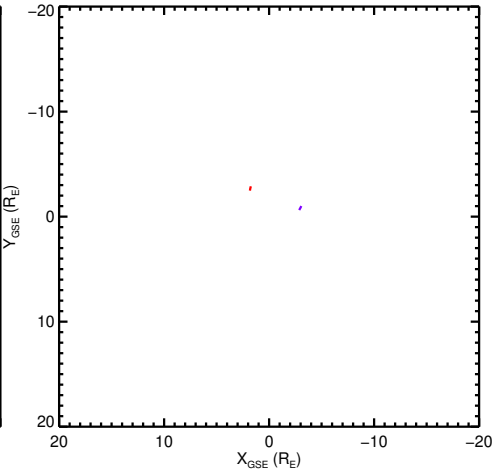
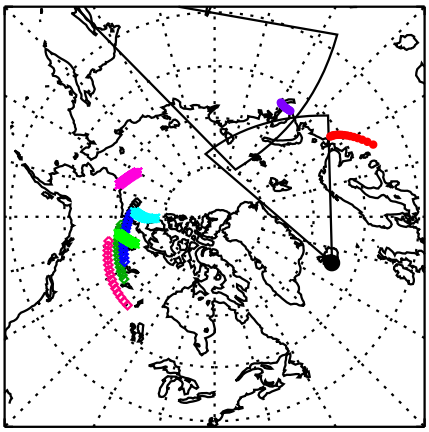
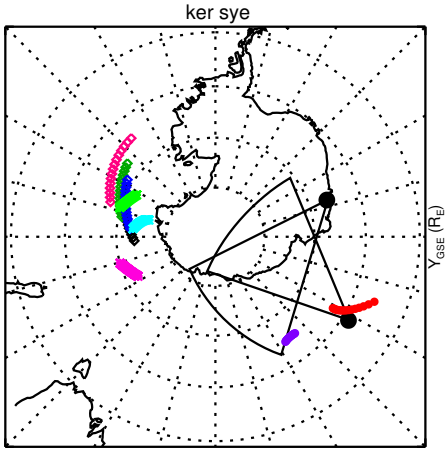
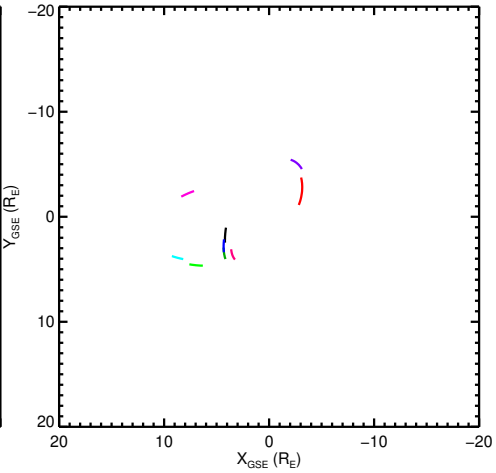


(f) 2015UT to 2025UT
ade cly cvw hkw hok



bpk unw





(g) 2235UT to 2355UT