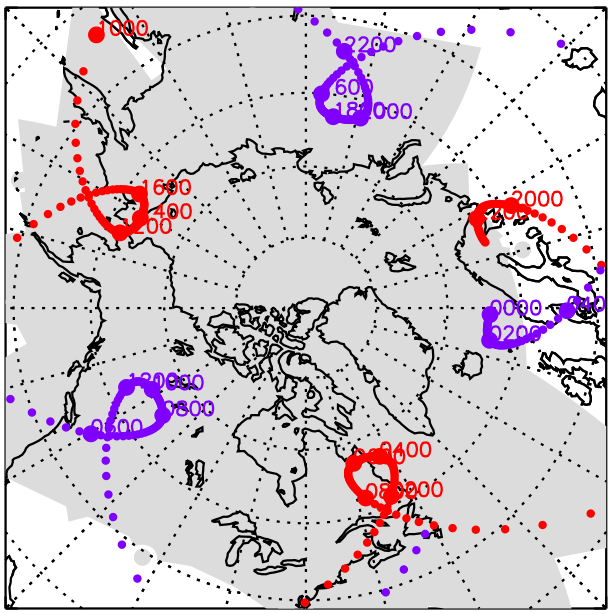
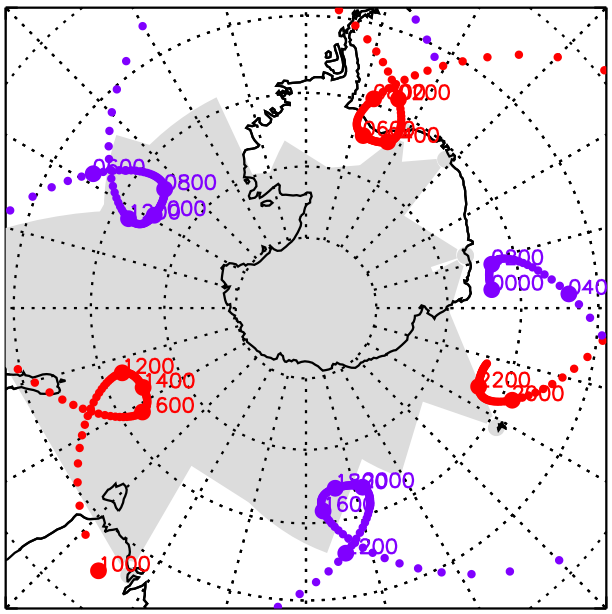
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

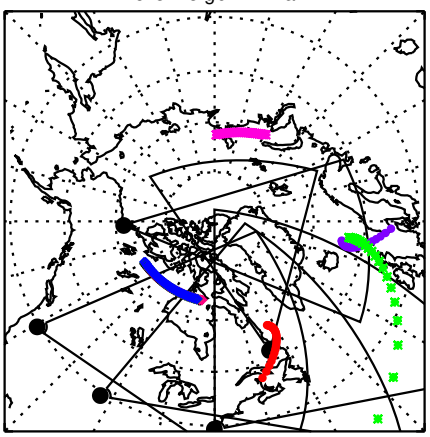
01−Oct−2016

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

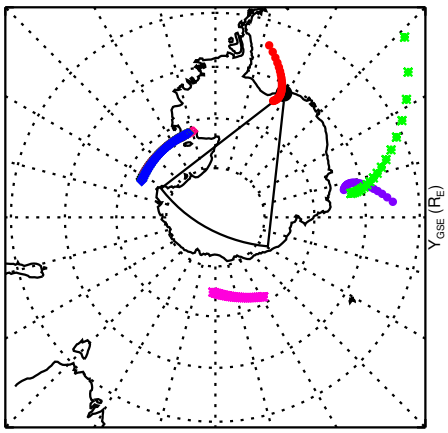


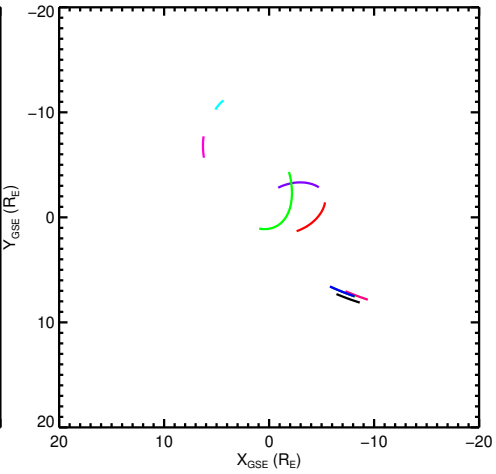


(a) 0135UT to 0355UT
cve fhe gbr inv wal

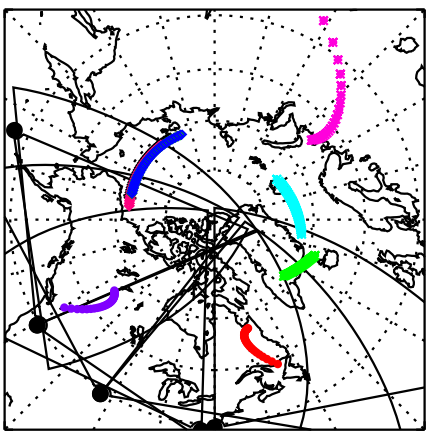


hal

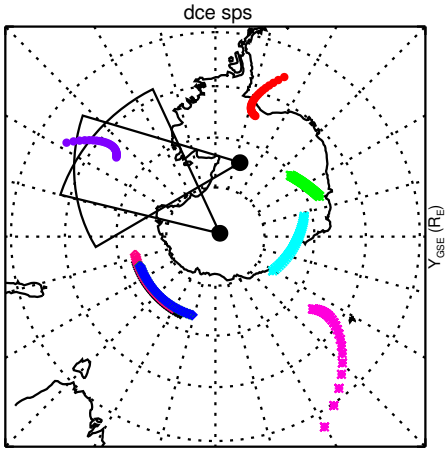


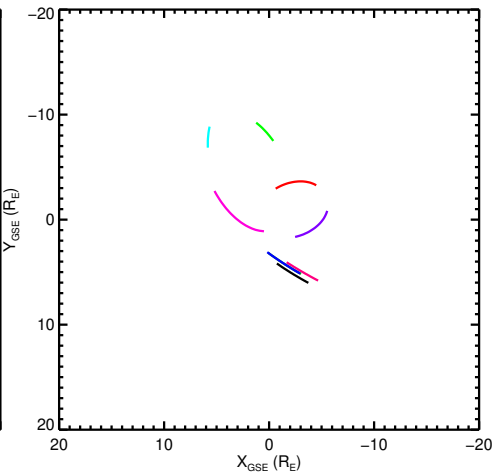


(b) 0600UT to 0825UT
ade bks cve cvw fhe fhw wal

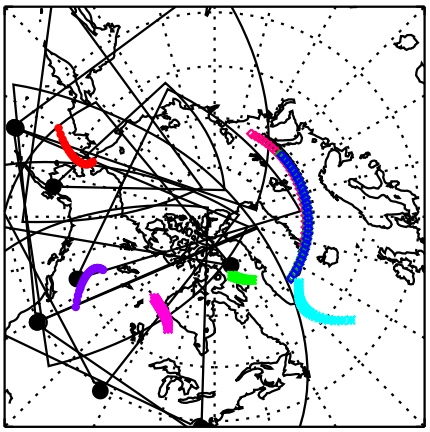


dce sps

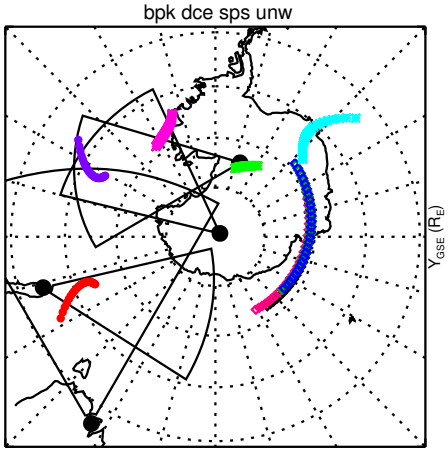


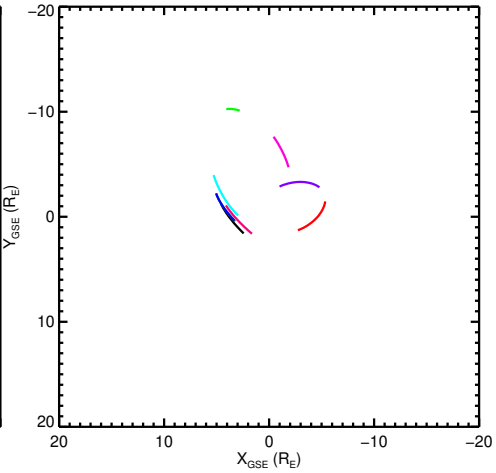


(c) 1035UT to 1255UT
ade adw bks cly cve cvw fhw hok ksr pgr

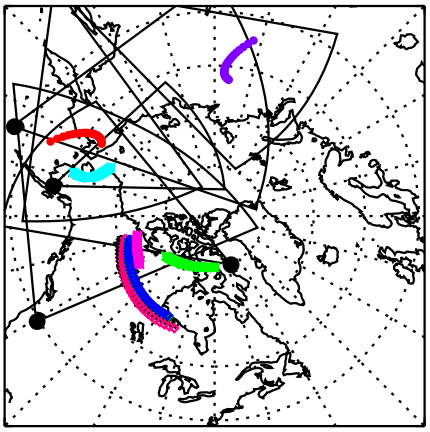


bpk dce sps unw

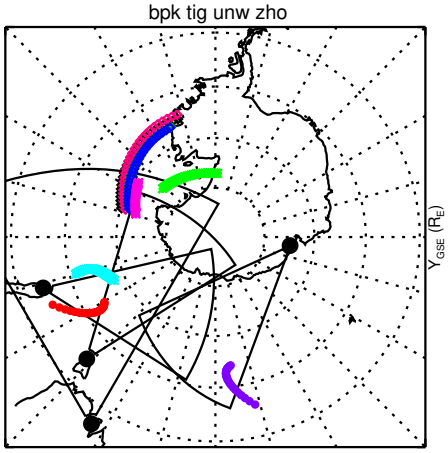


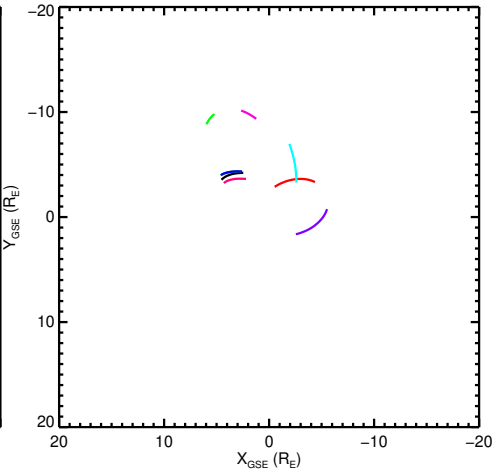


(d) 1505UT to 1725UT
adw cly cvw hkw hok ksr

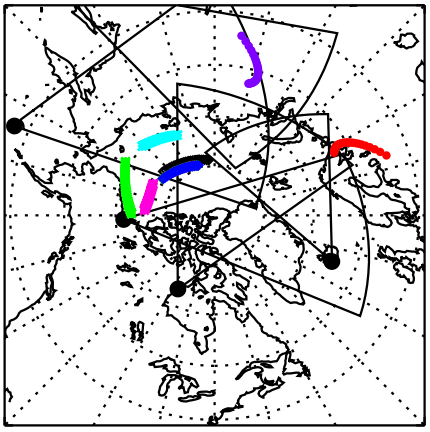


bpk tig unw zho

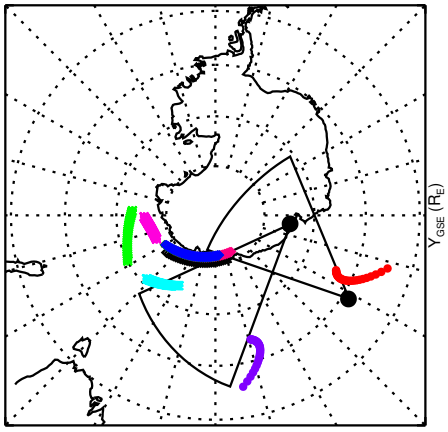


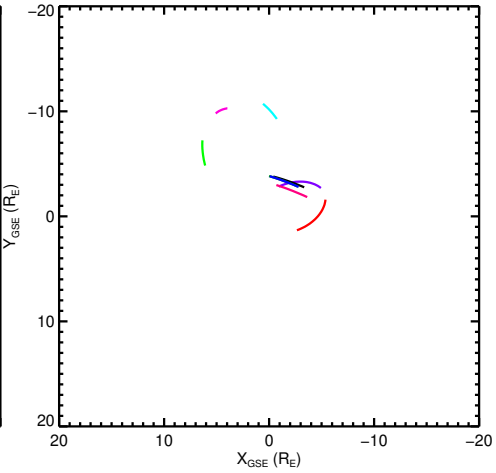


(e) 1930UT to 2200UT
adw hkw inv pyk rkn



ker zho

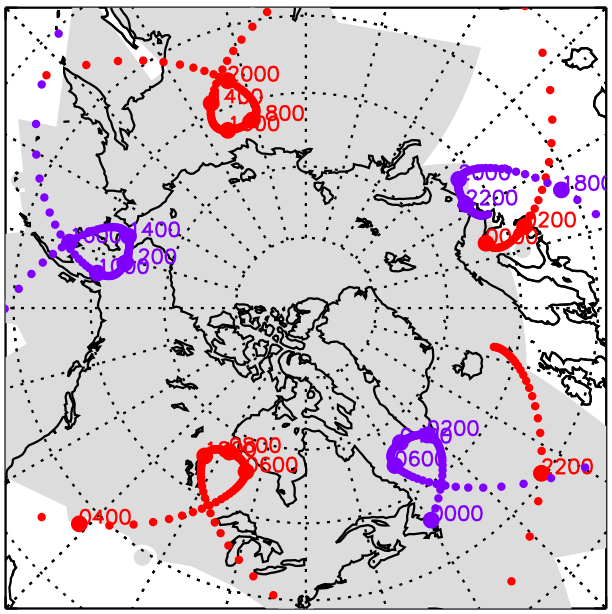


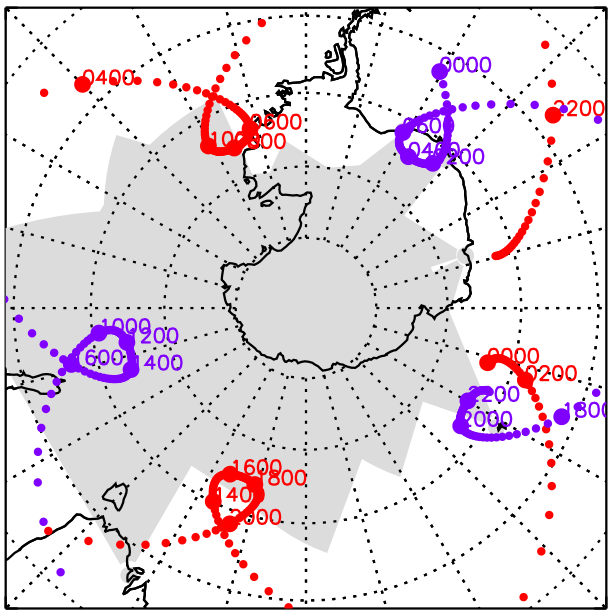


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

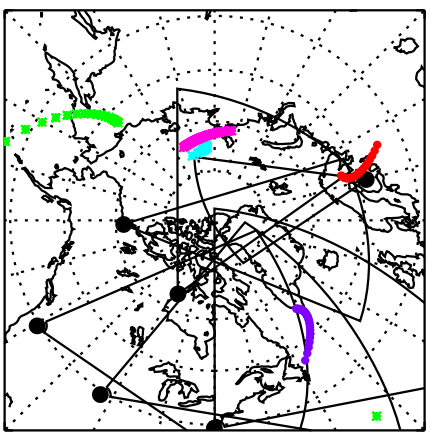
02–Oct–2016

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 0220UT
cve fhe han inv rkn wal



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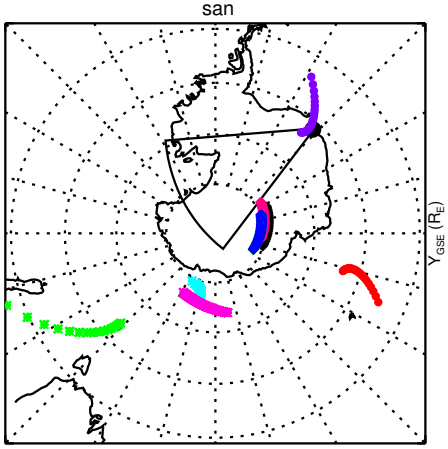
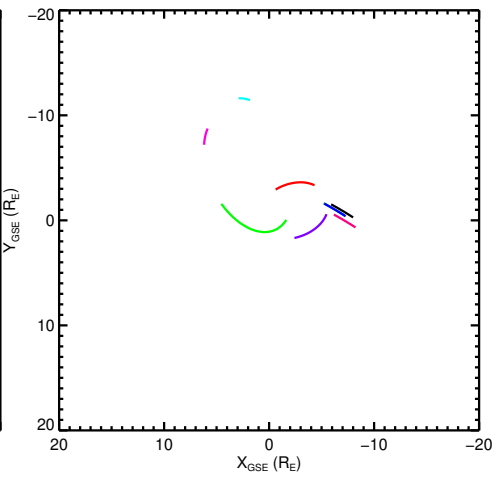
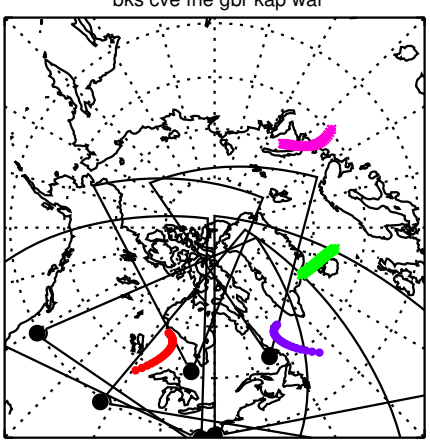
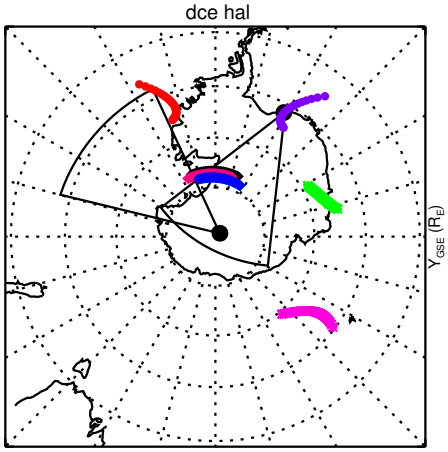


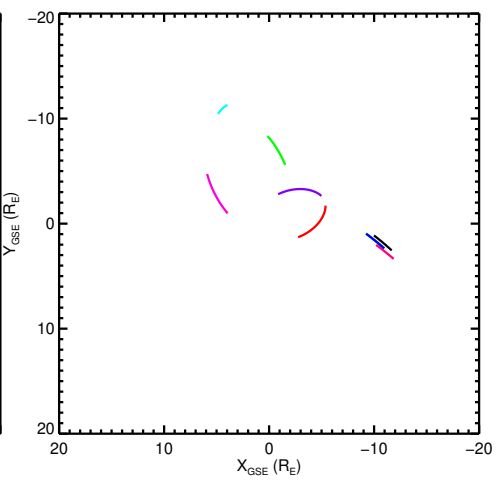


(b) 0430UT to 0705UT
bks cve fhe gbr kap wal

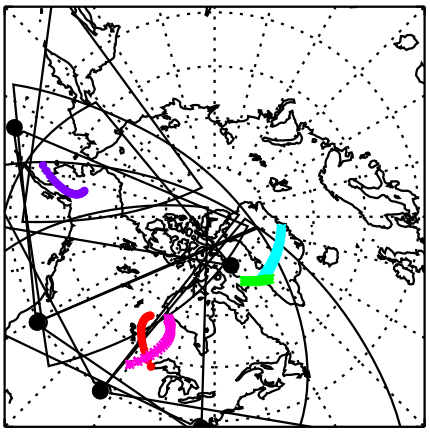


dce hal

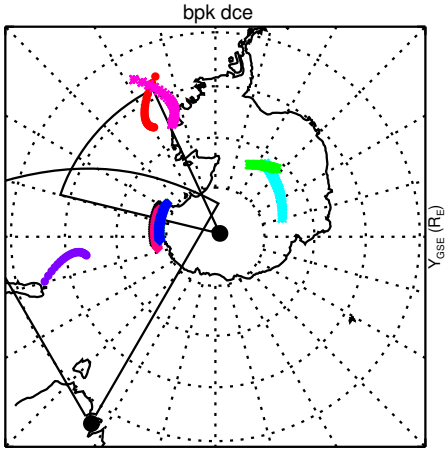


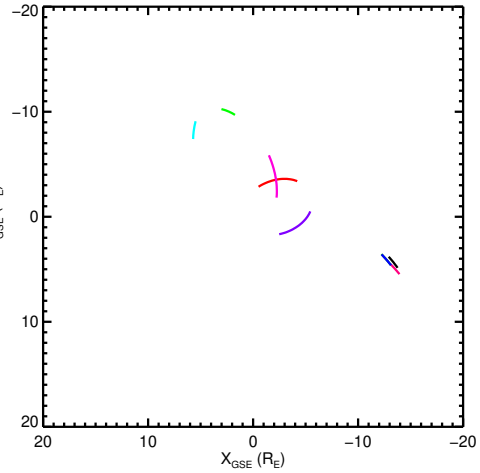


(c) 0910UT to 1120UT
ade bks cly cve cvw fhe fhw hok

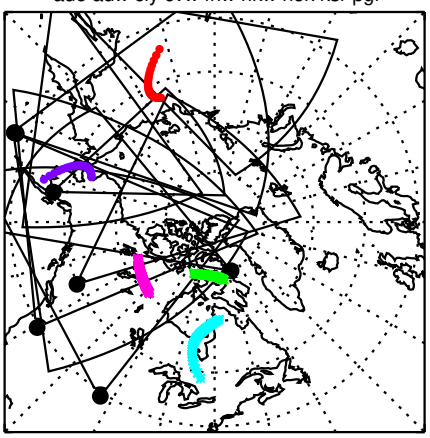


bpk dce

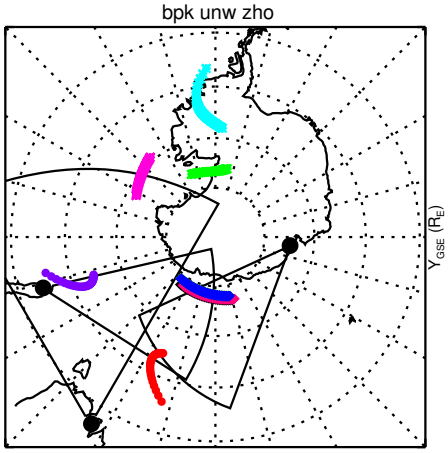


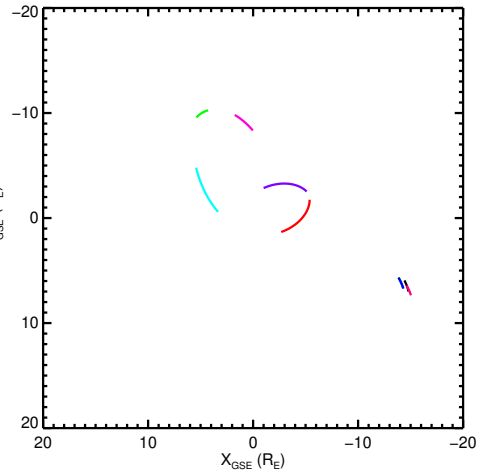


(d) 1325UT to 1605UT
ade adw cly cvw fhw hkw hok ksr pgr

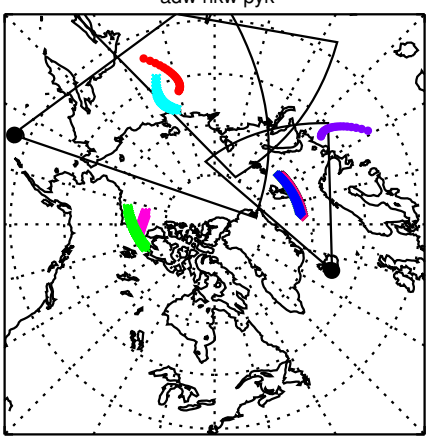


bpk unw zho

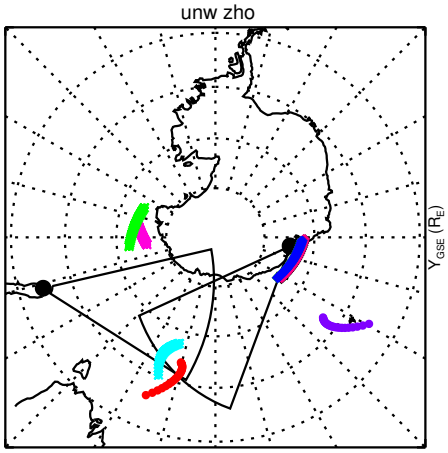


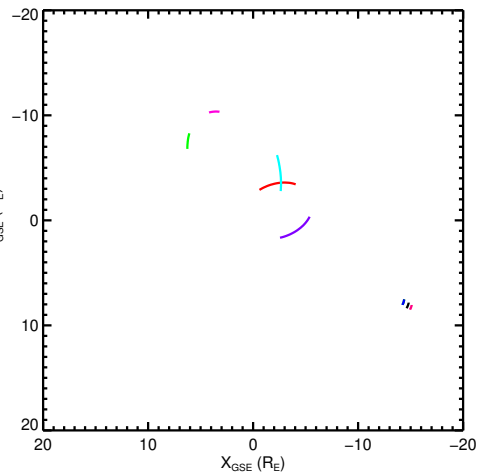


(e) 1815UT to 2015UT
adw hkw pyk

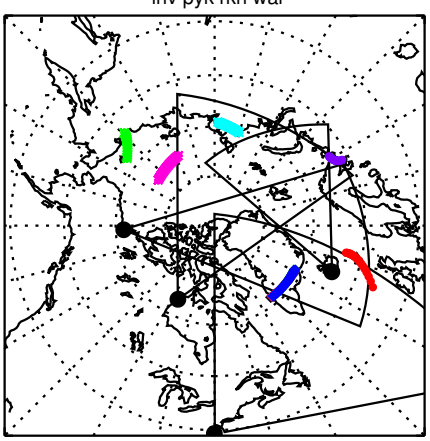


unw zho





(f) 2225UT to 2355UT
inv pyk rkn wal



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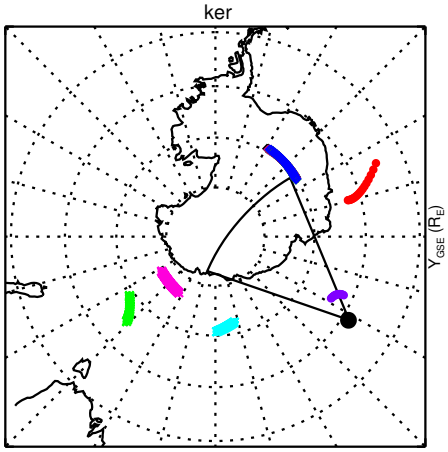
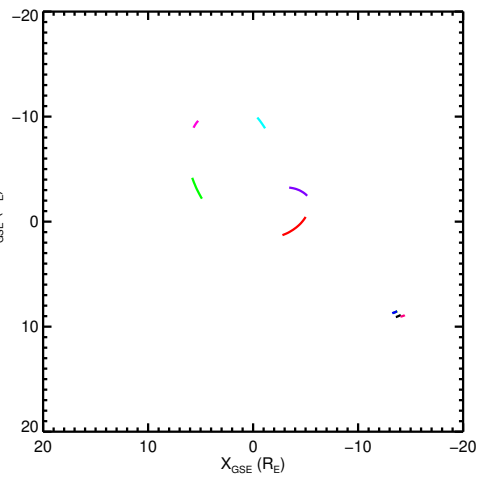
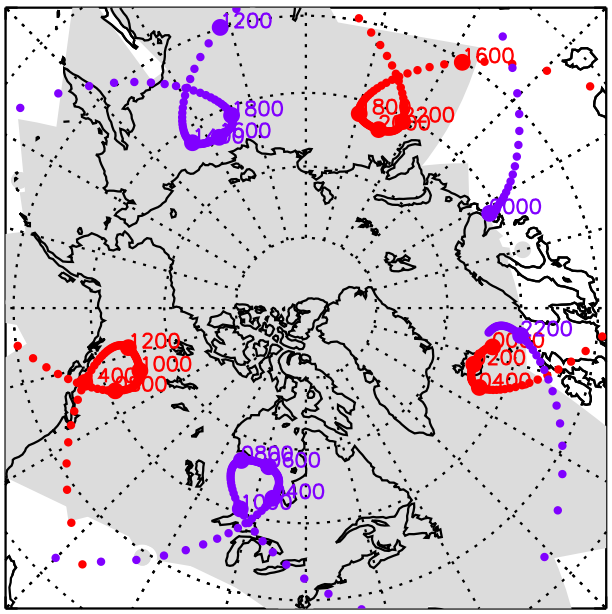


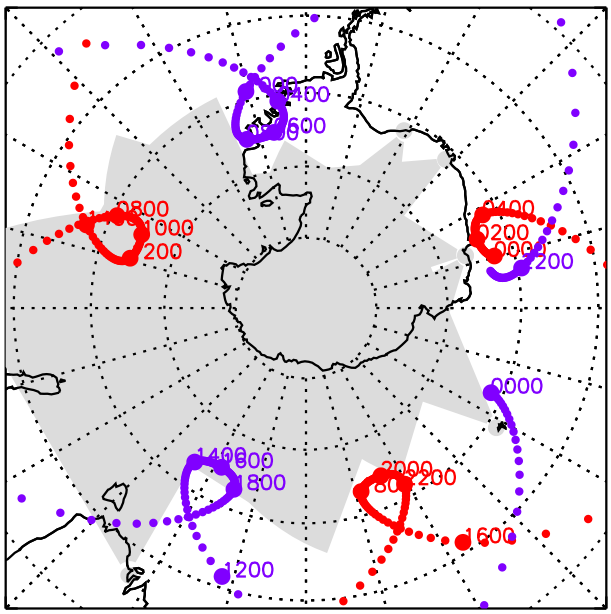


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

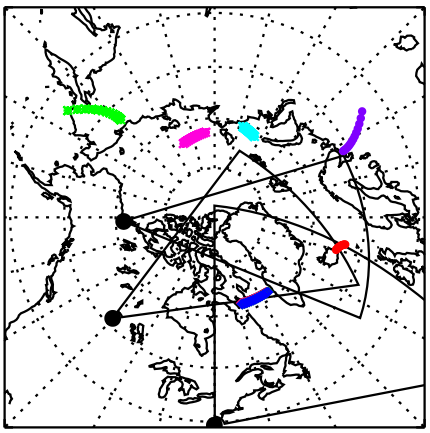
03–Oct–2016

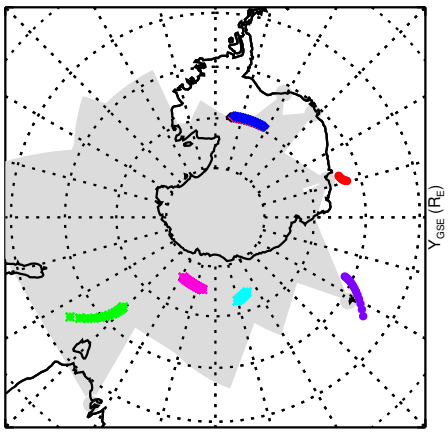
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

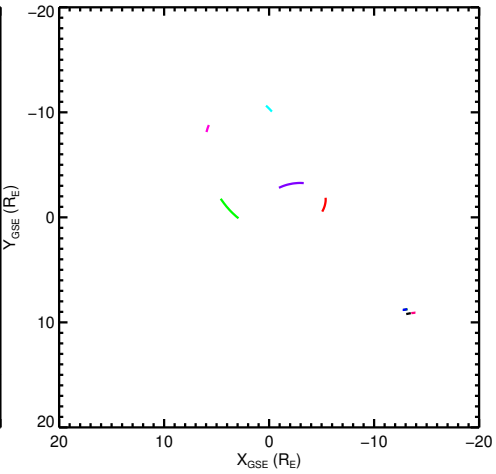




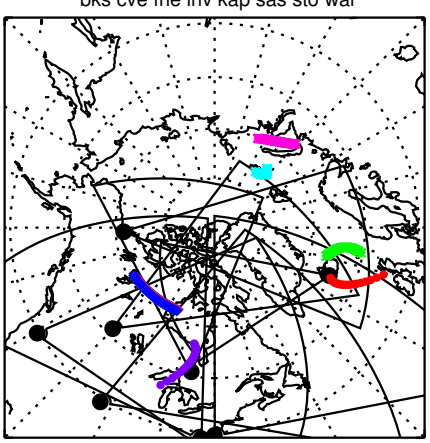
(a) 0000UT to 0110UT
inv sas wal

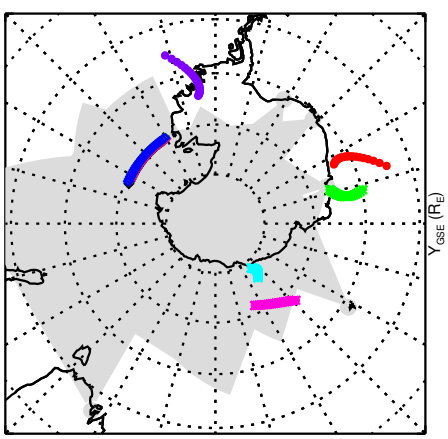


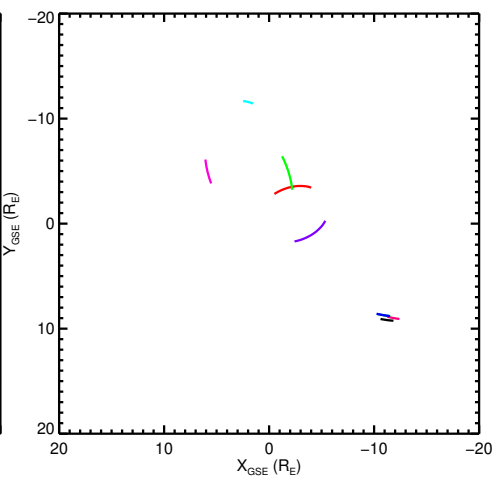




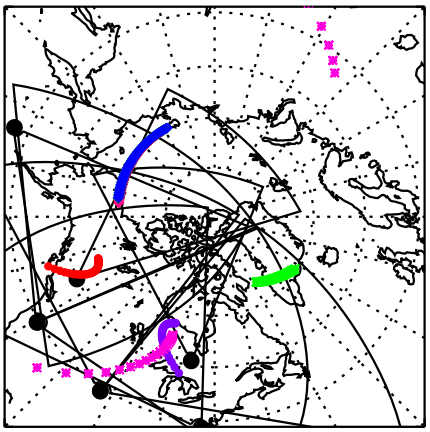
(b) 0315UT to 0515UT
bks cve fhe inv kap sas sto wal



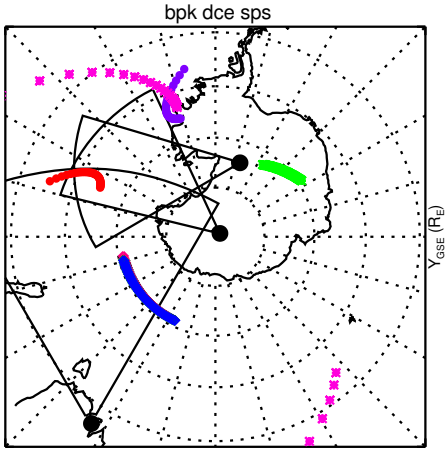


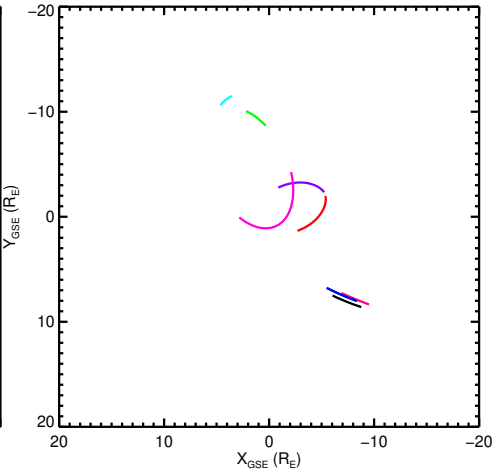


(c) 0720UT to 1015UT
ade bks cve cvw fhe fhw kap pgr

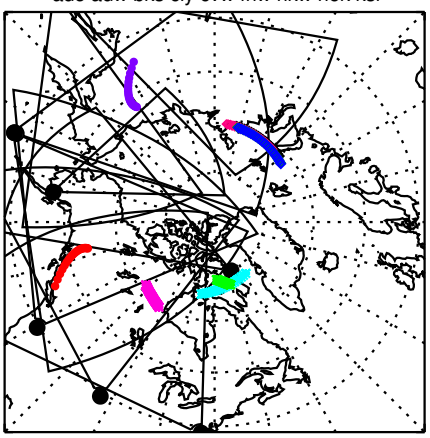


bpk dce sps

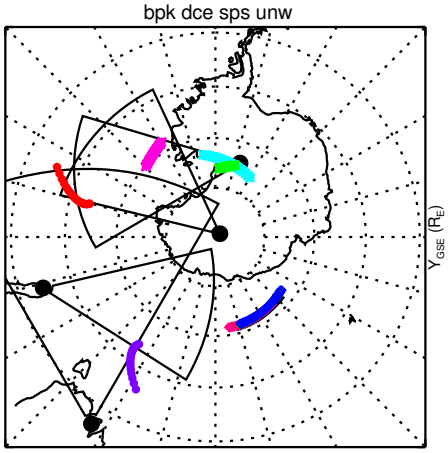


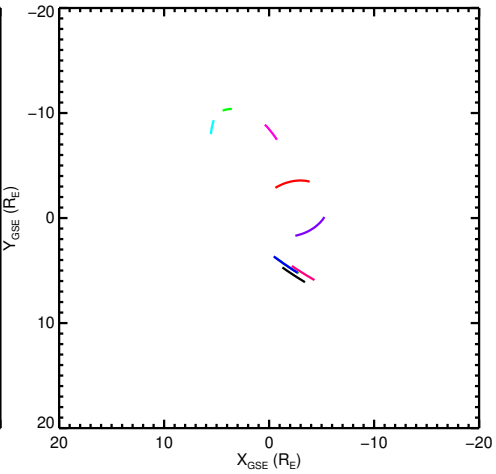


(d) 1220UT to 1410UT
ade adw bks cly cvw fhw hkw hok ksr

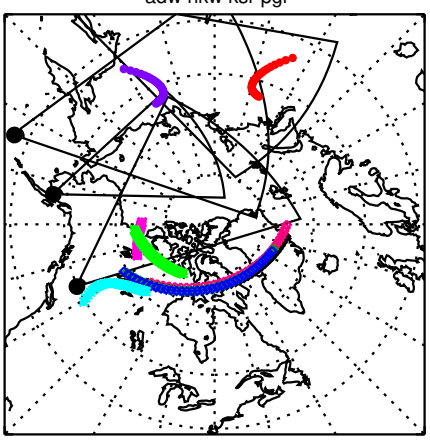


bpk dce sps unw

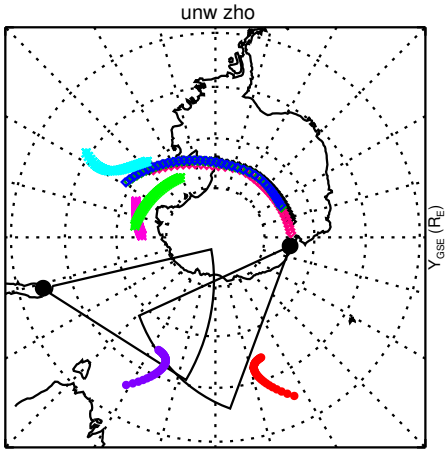


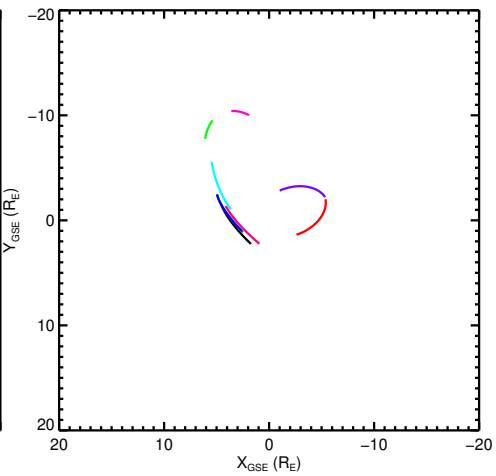


(e) 1615UT to 1915UT
adw hkw ksr pgr

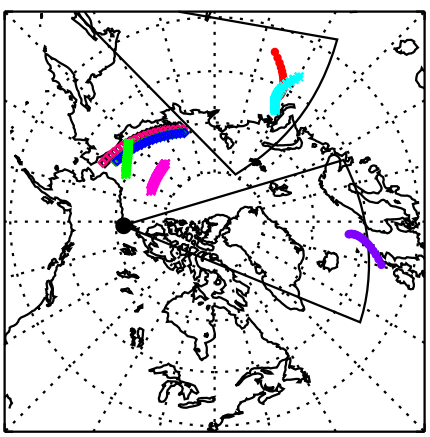


unw zho

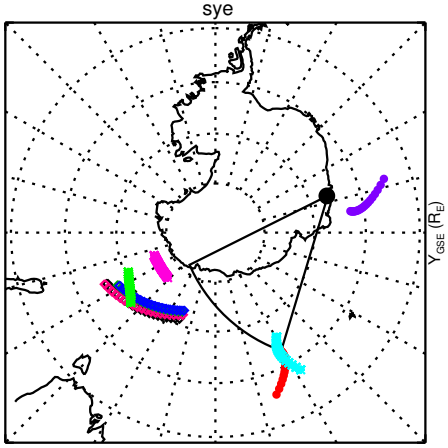


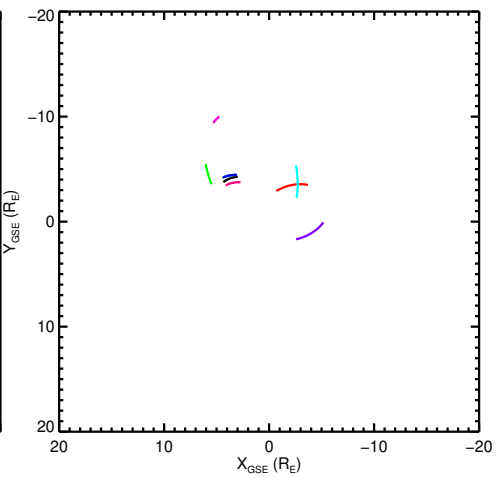


(f) 2125UT to 2305UT
hkw inv



sye

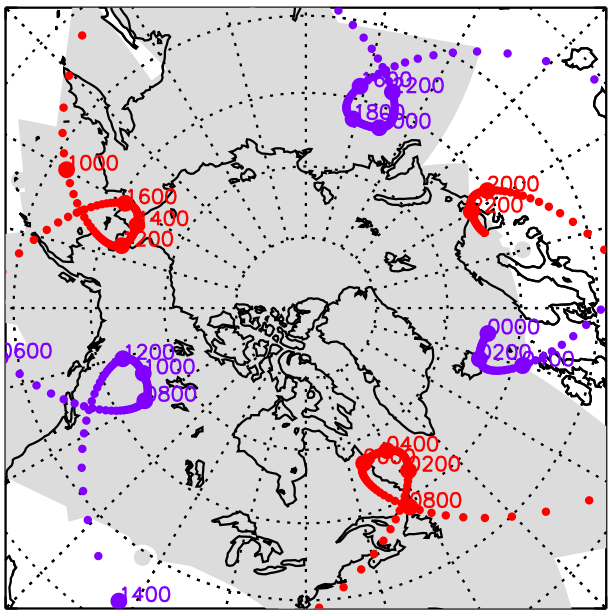


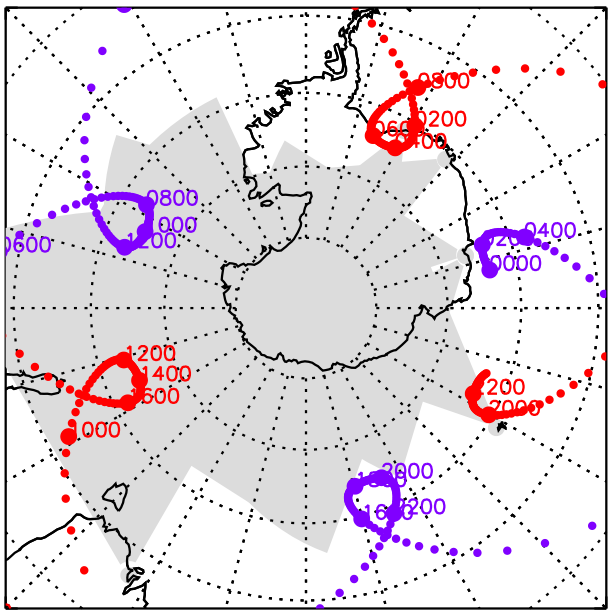


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

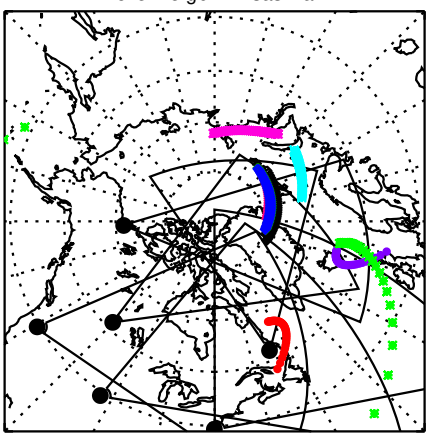
04–Oct–2016

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

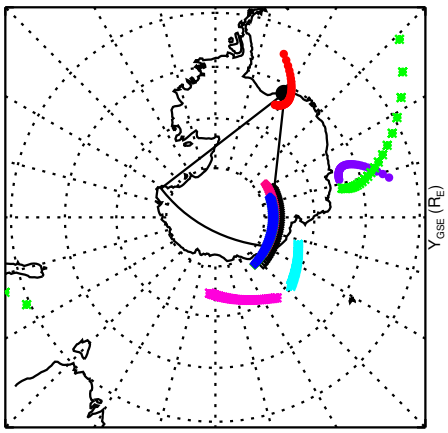


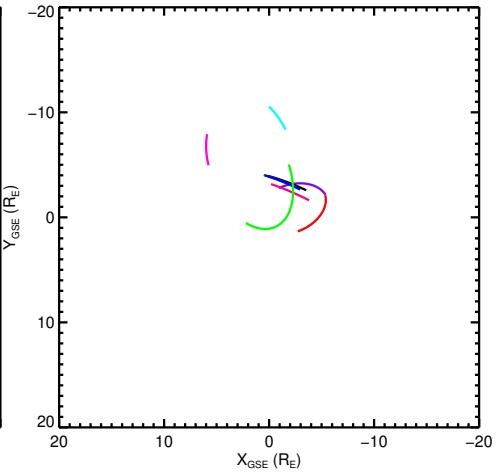


(a) 0115UT to 0420UT
cve fhe gbr inv sas wal

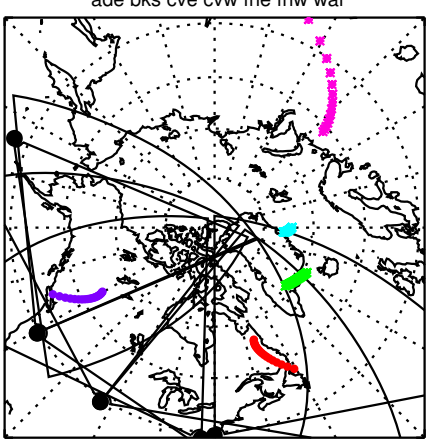


hal

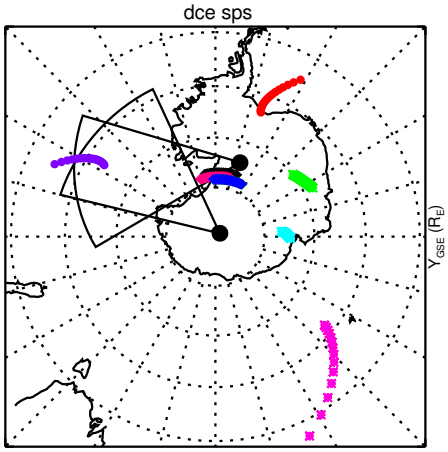


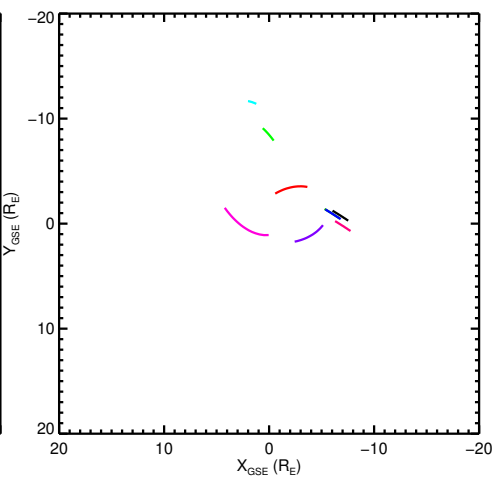


(b) 0625UT to 0805UT
ade bks cve cvw fhe fhw wal

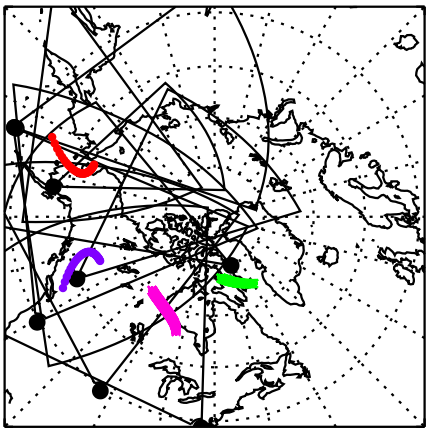


dce sps

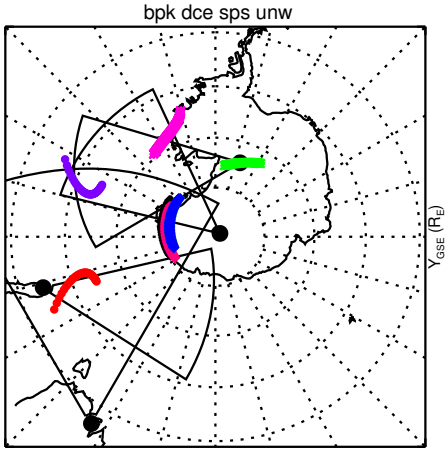


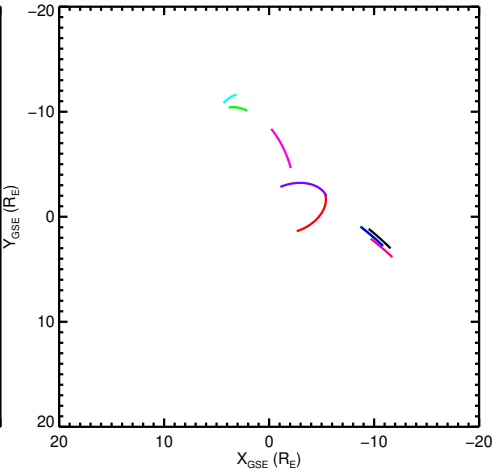


(c) 1010UT to 1320UT
ade adw bks cly cvw fhw hok ksr pgr

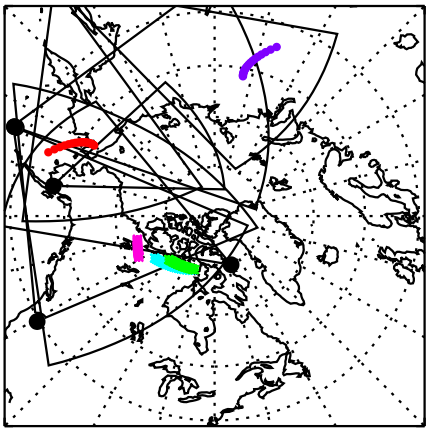


bpk dce sps unw

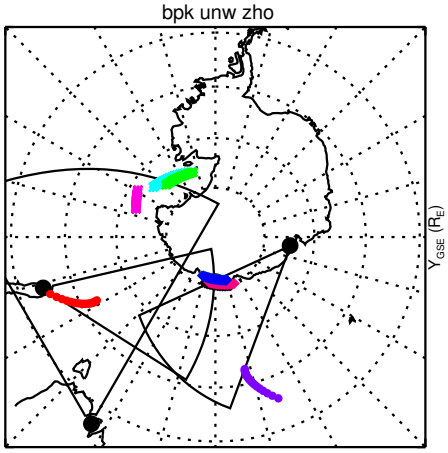


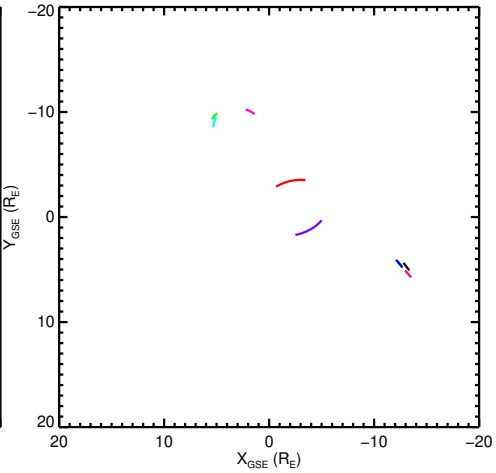


(d) 1530UT to 1700UT
ade adw cly cvw hkw hok ksr

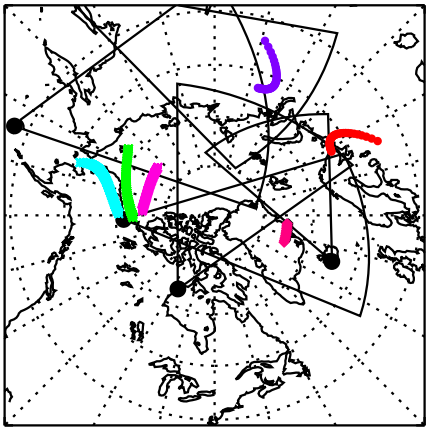


bpk unw zho





(e) 1910UT to 2225UT
adw hkw inv pyk rkn



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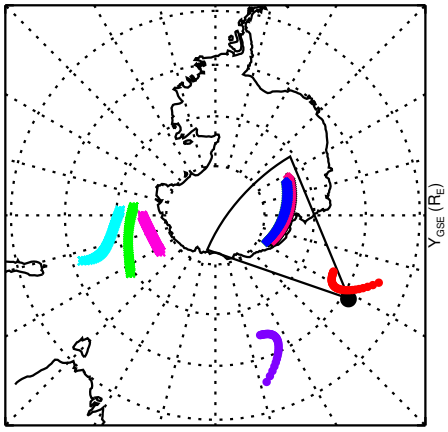
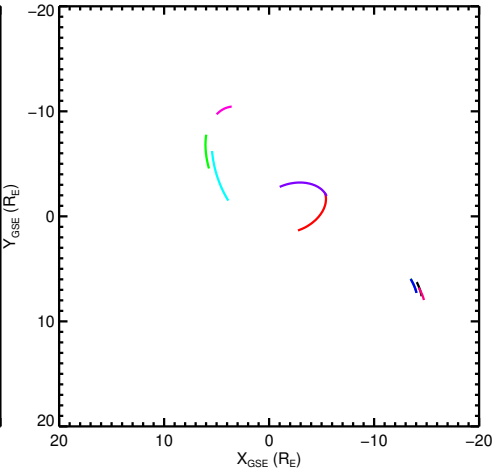
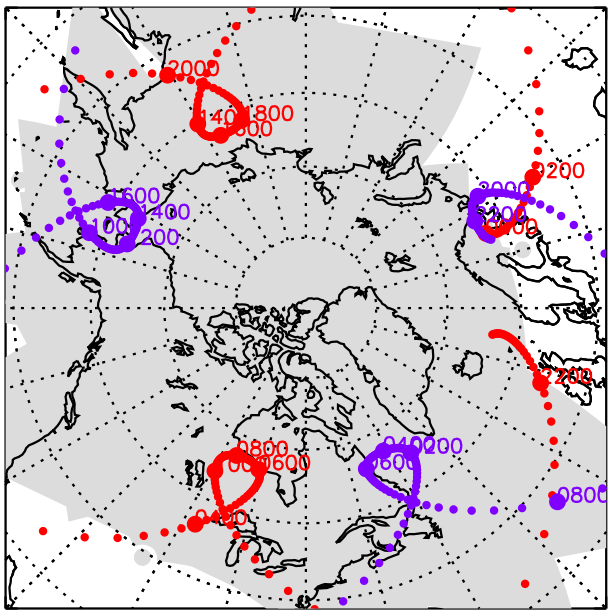


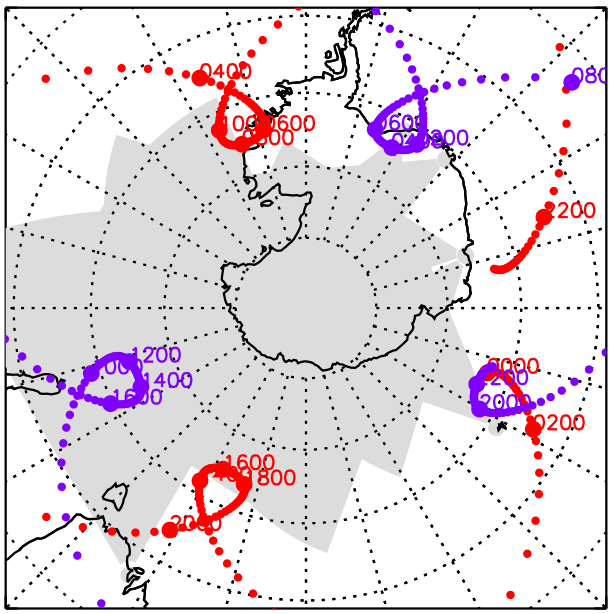


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

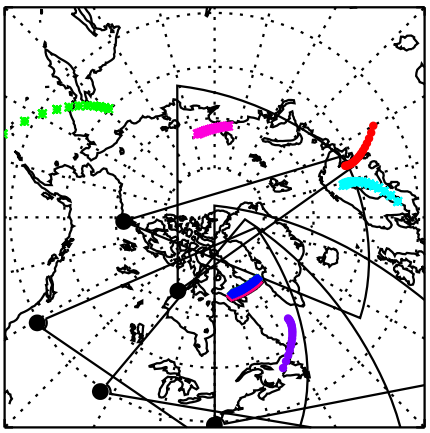
05–Oct–2016

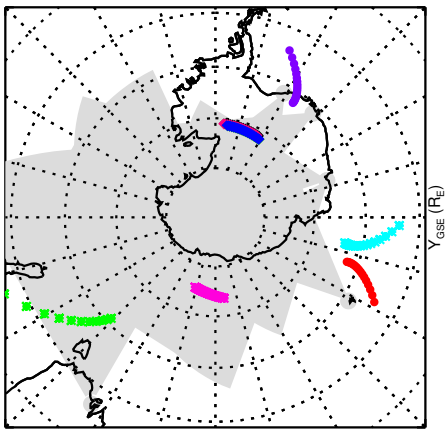
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

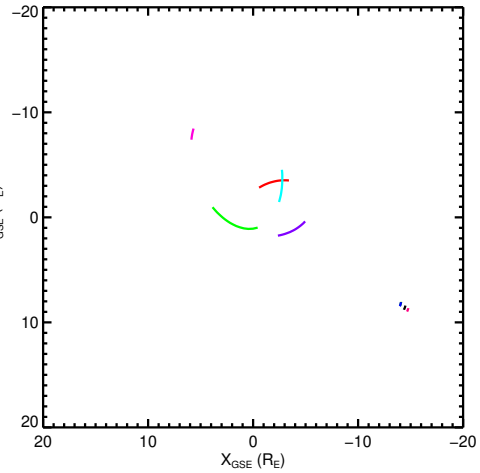




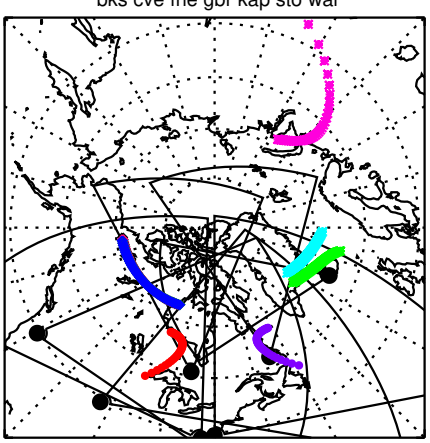
(a) 0030UT to 0200UT
cve fhe inv rkn wal



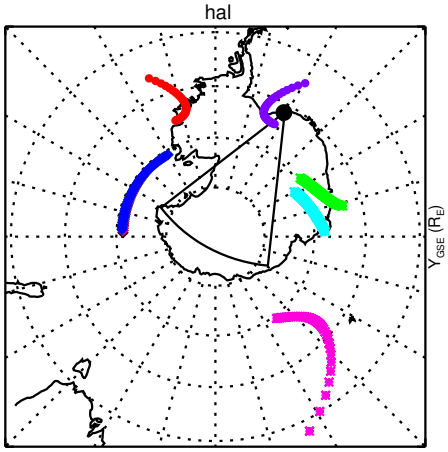


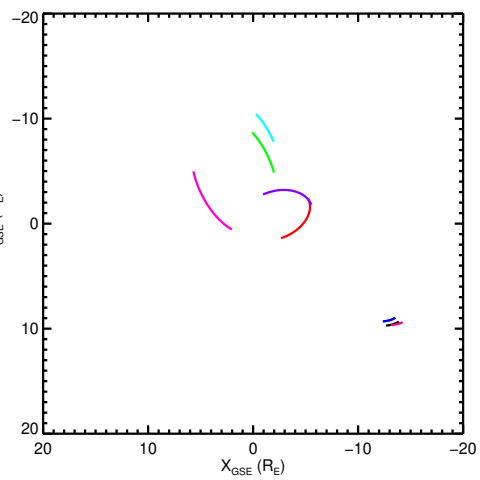


(b) 0405UT to 0730UT
bks cve fhe gbr kap sto wal

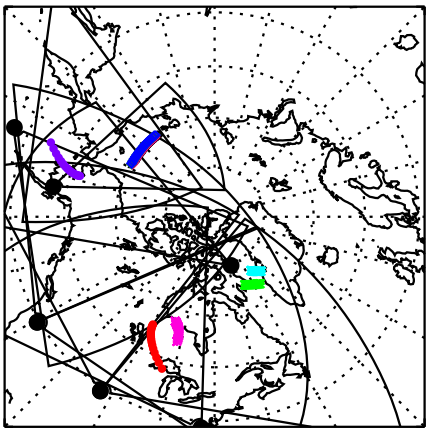


hal

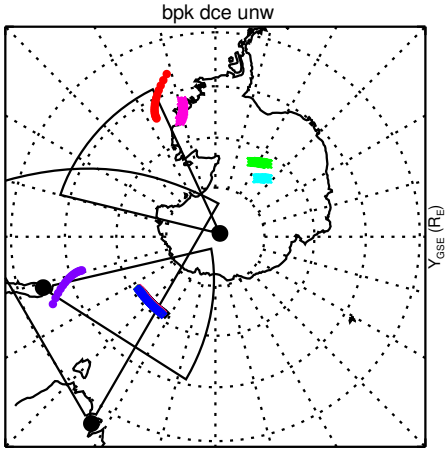


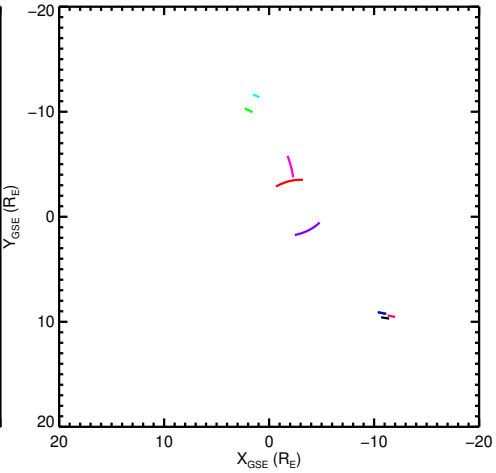


(c) 0935UT to 1055UT
ade bks cly cve cvw fhe fhw hok ksr

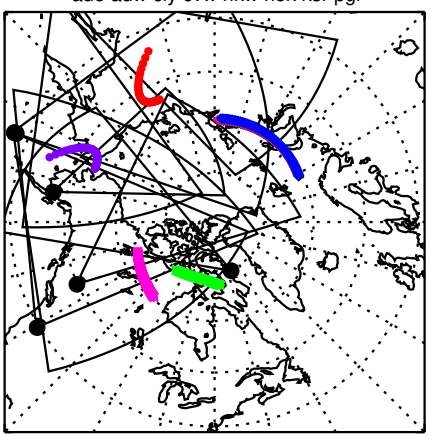


bpk dce unw

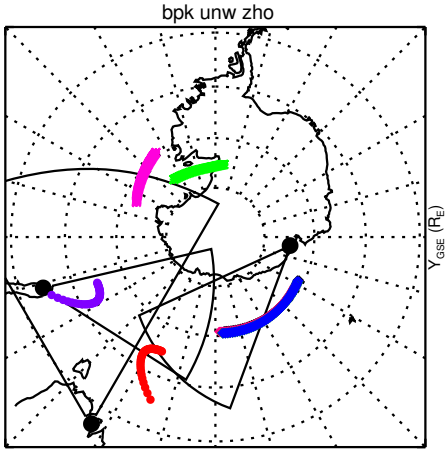


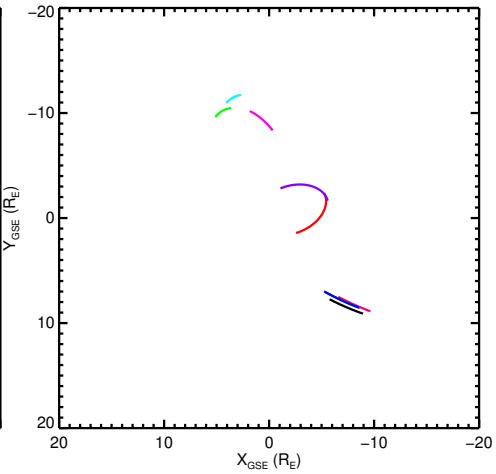


(d) 1300UT to 1630UT
ade adw cly cvw hkw hok ksr pgr

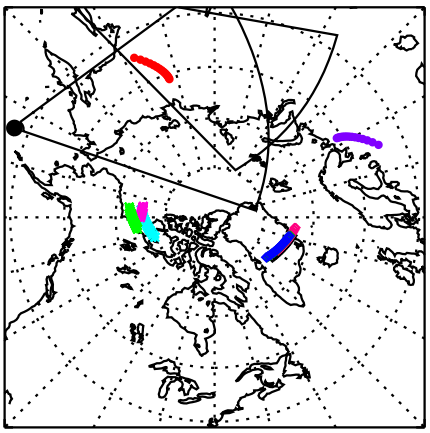


bpk unw zho

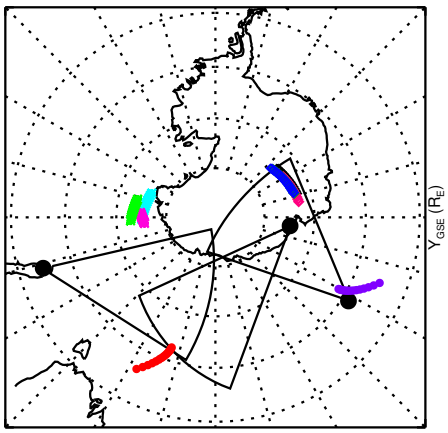


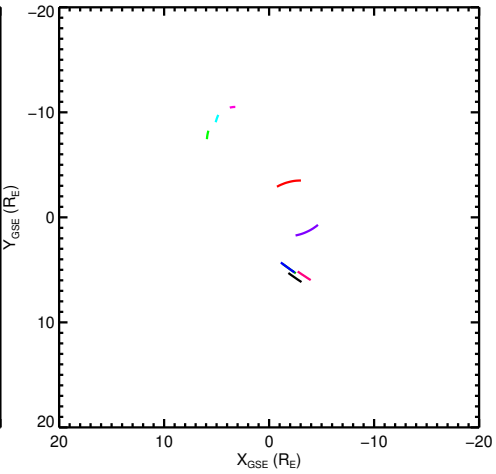


(e) 1840UT to 1950UT
adw hkw

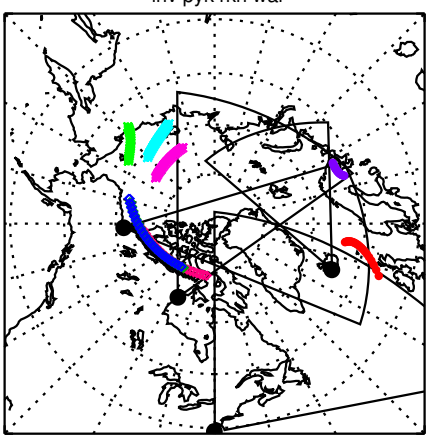


ker unw zho





(f) 2200UT to 2355UT
inv pyk rkn wal



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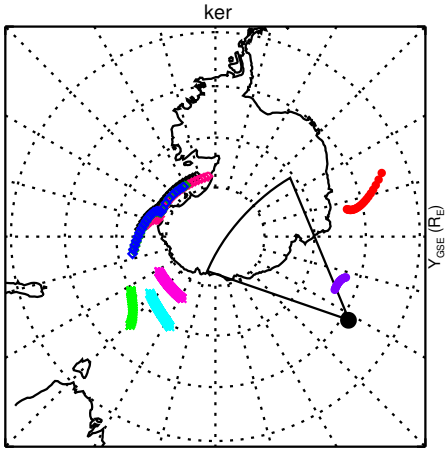
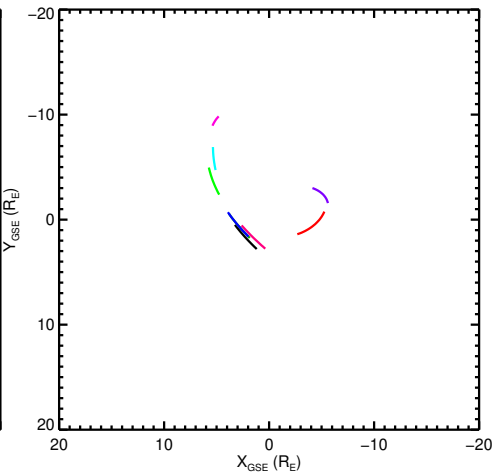
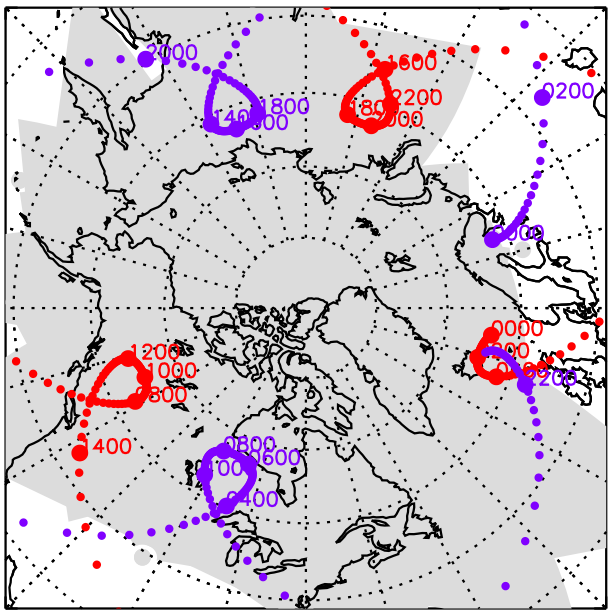


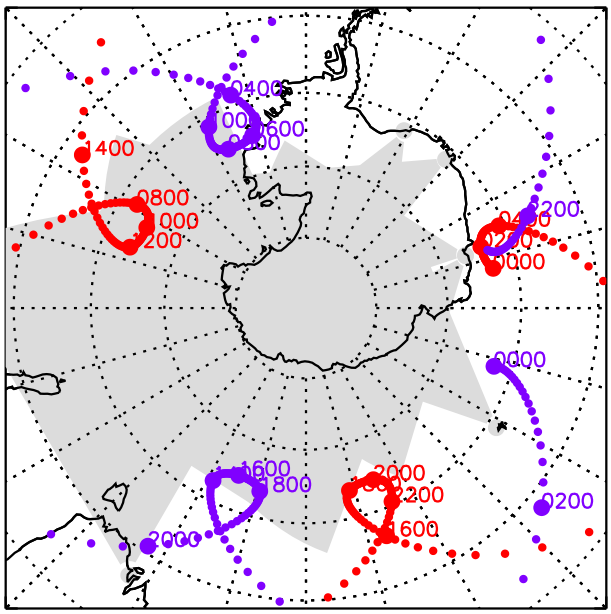


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

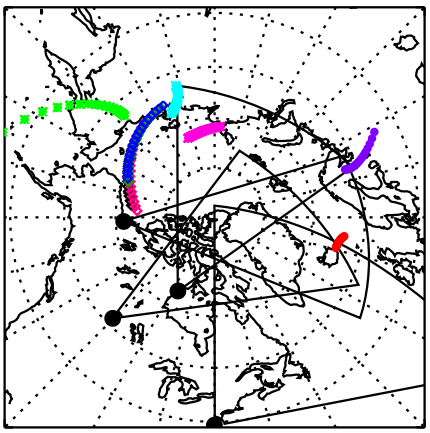
06–Oct–2016

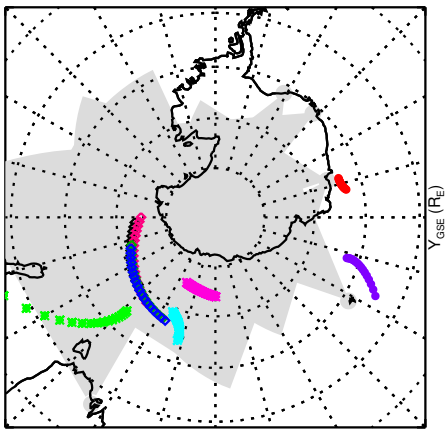
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

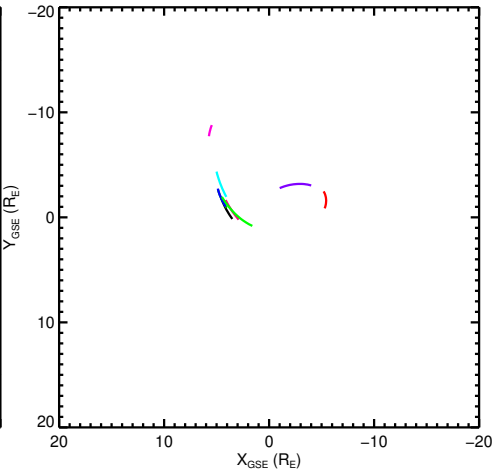




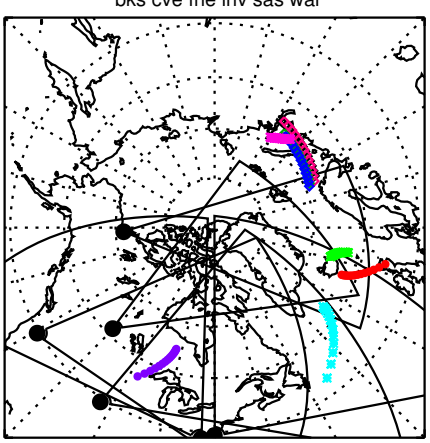
(a) 0000UT to 0135UT
inv rkn sas wal

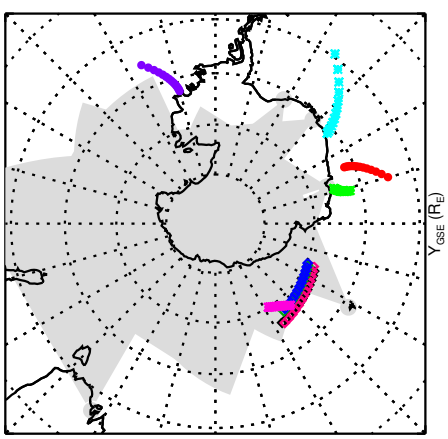


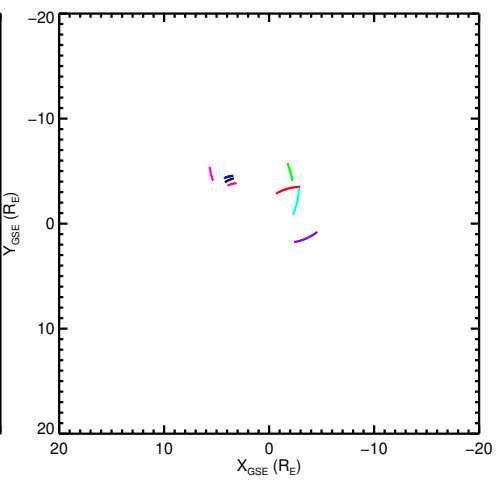




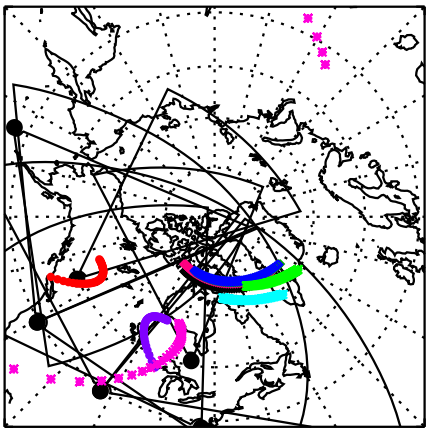
(b) 0340UT to 0450UT
bks cve fhe inv sas wal



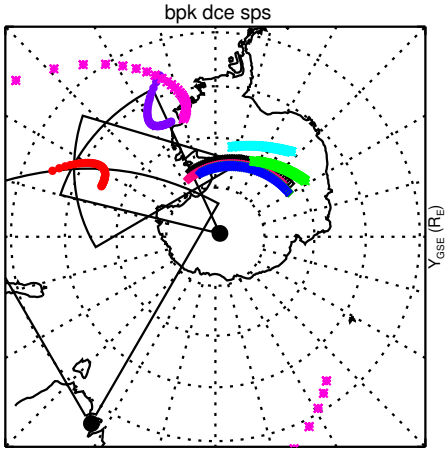


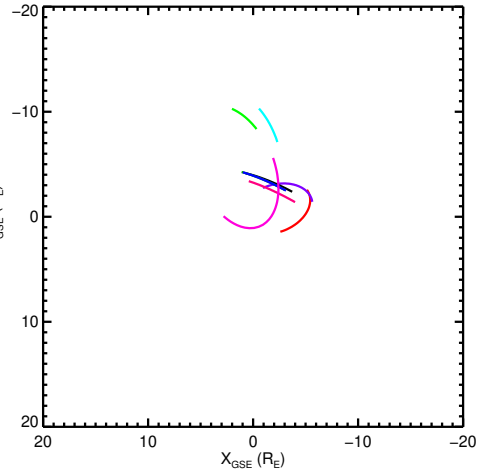


(c) 0655UT to 1040UT
ade bks cve cvw fhe fhw kap pgr

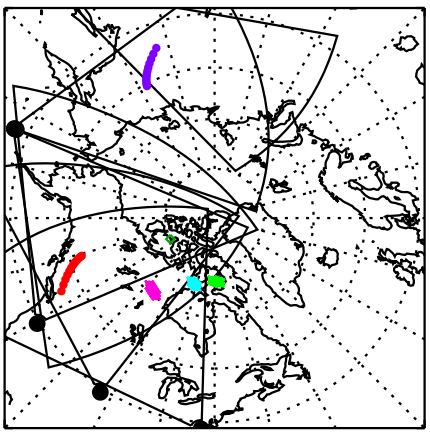


bpk dce sps

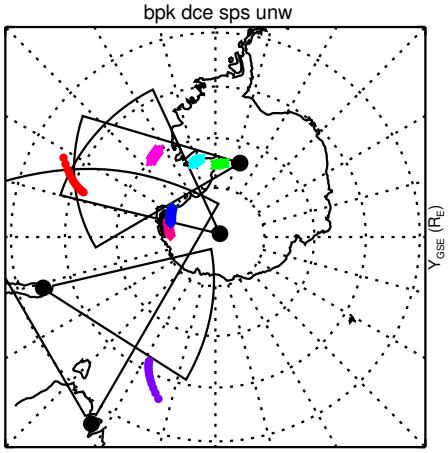


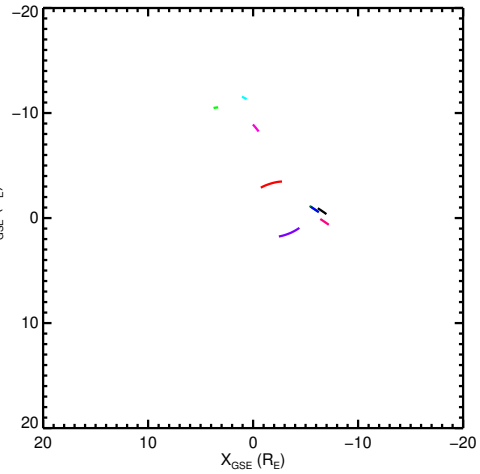


(d) 1245UT to 1345UT
ade adw bks cvw fhw hkw

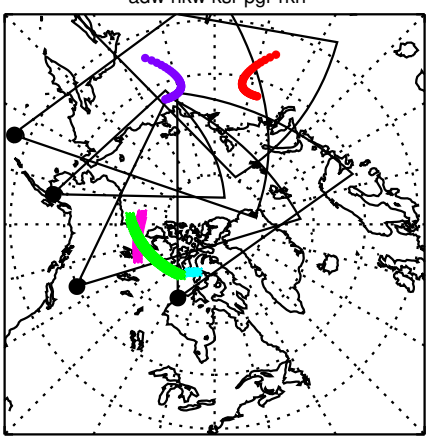


bpk dce sps unw

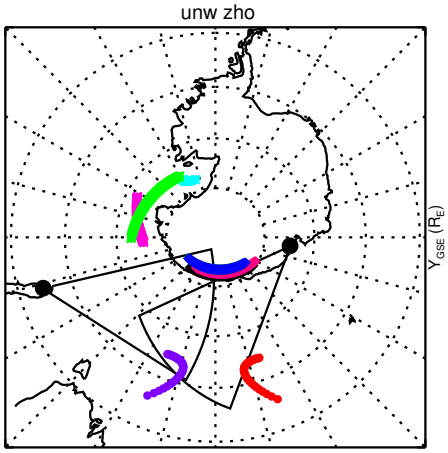


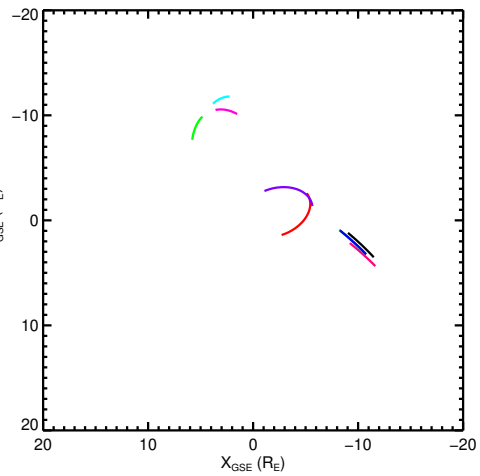


(e) 1555UT to 1940UT
adw hkw ksr pgr rkn

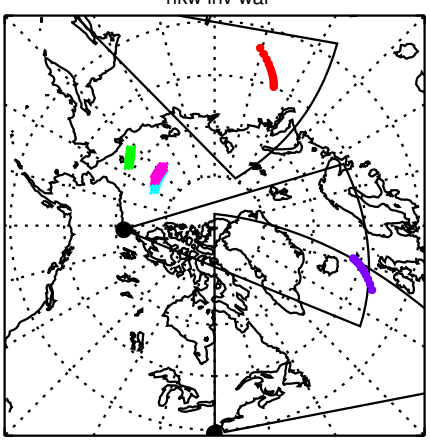


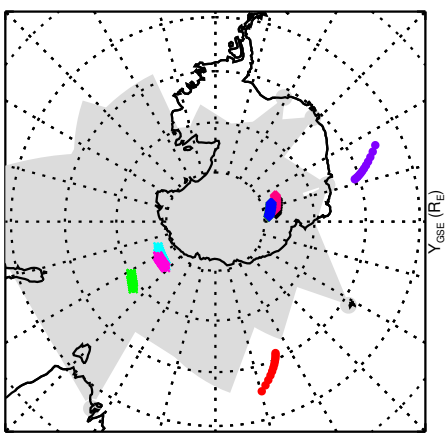
unw zho

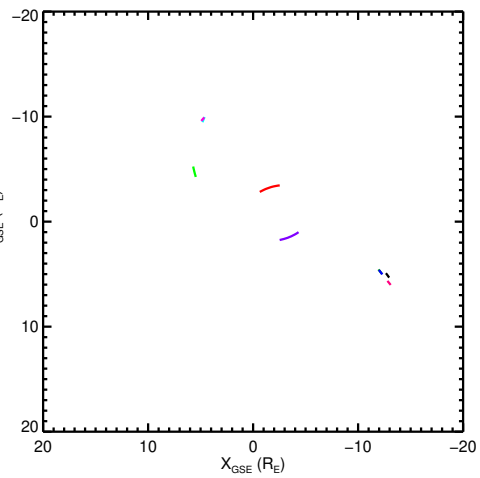




(f) 2150UT to 2245UT
hkw inv wal



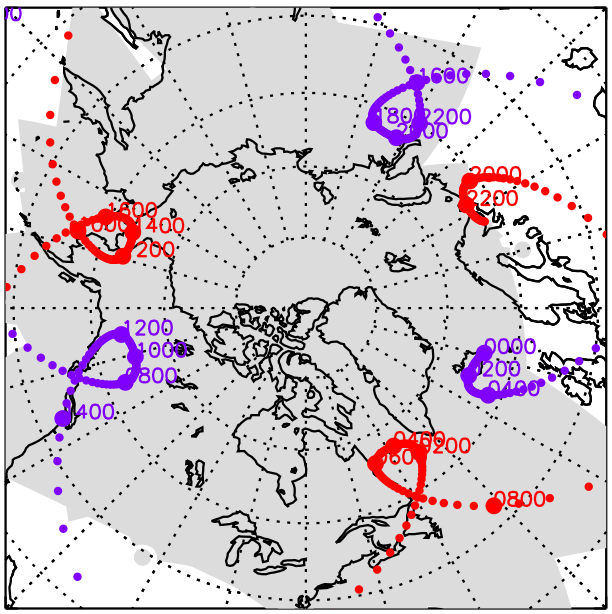


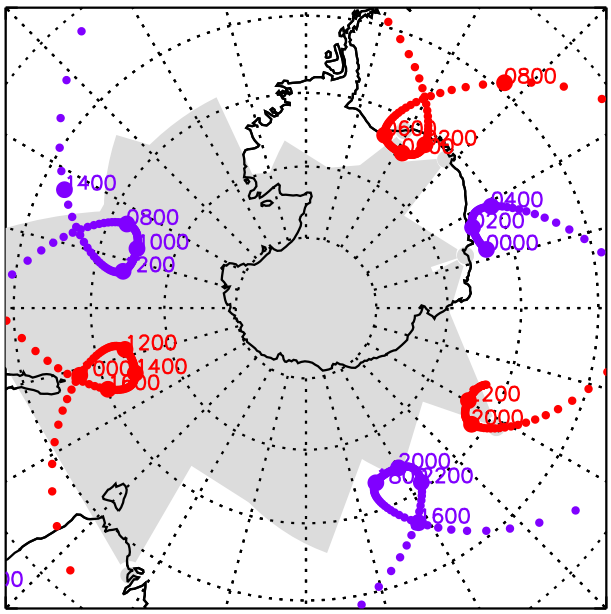


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

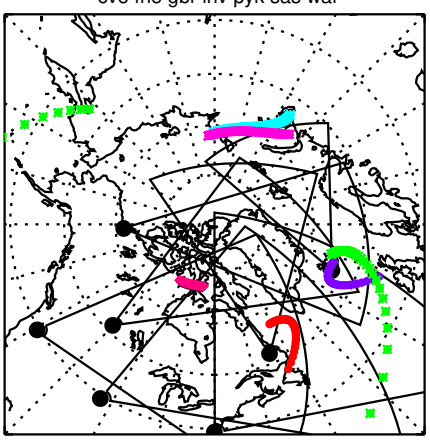
07–Oct–2016

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

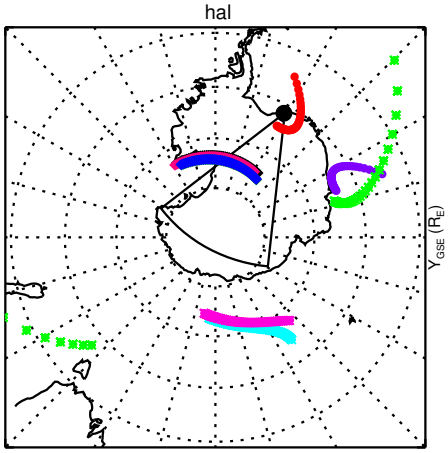


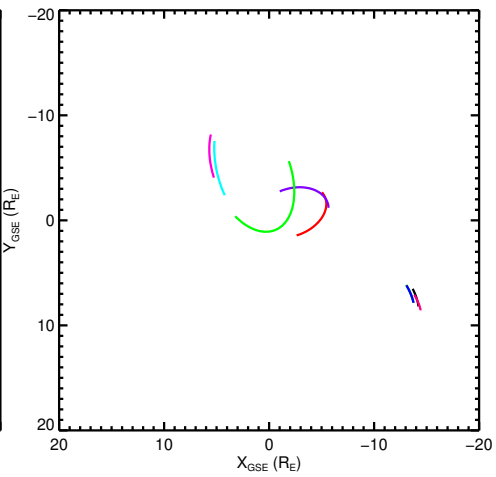


(a) 0050UT to 0445UT
cve fhe gbr inv pyk sas wal

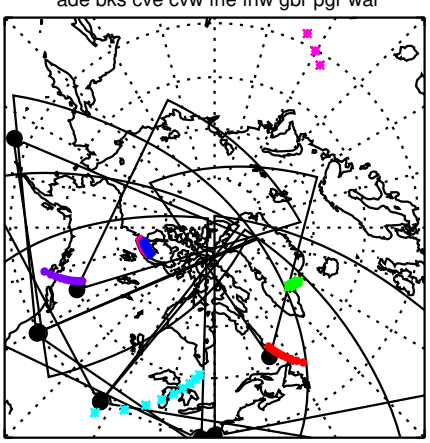


hal

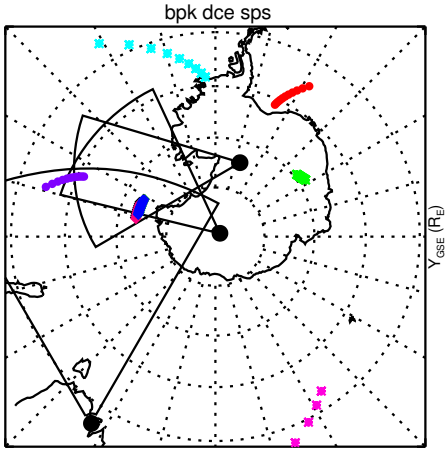


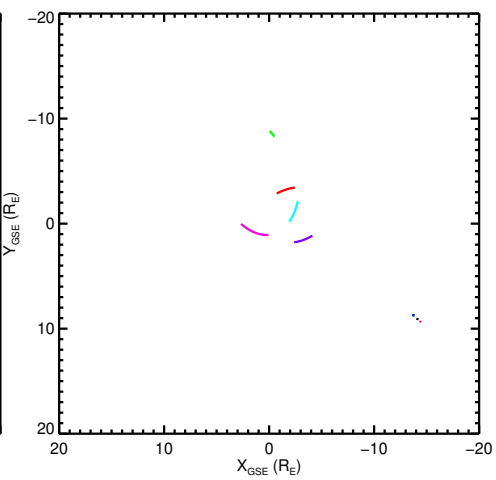


(b) 0650UT to 0740UT
ade bks cve cvw fhe fhw gbr pgr wal

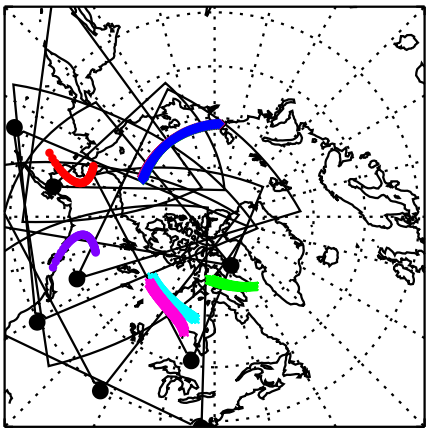


bpk dce sps

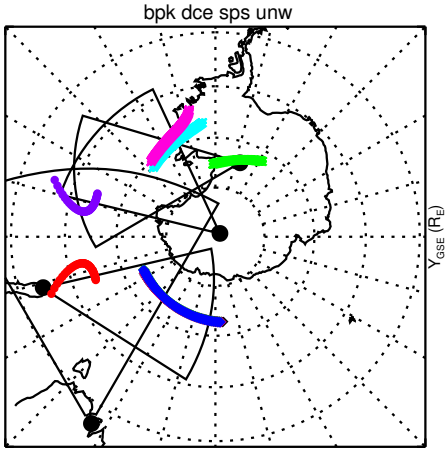


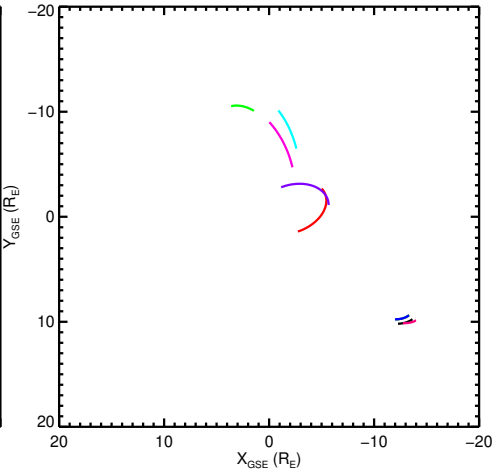


(c) 0950UT to 1345UT
ade bks cly cvw fhw hok kap ksr pgr

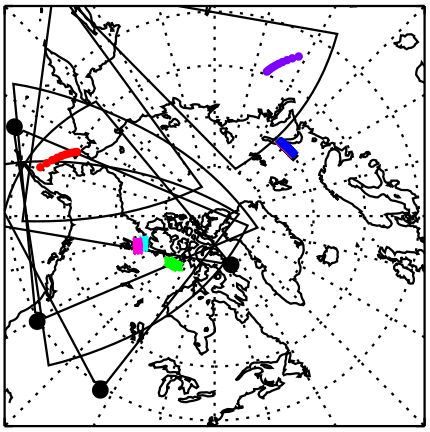


bpk dce sps unw

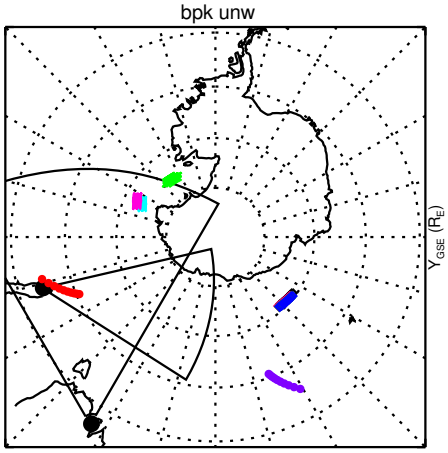


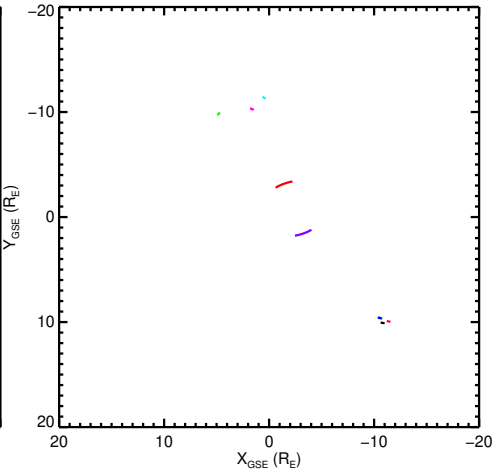


(d) 1555UT to 1640UT
ade cly cvw fhw hkw hok

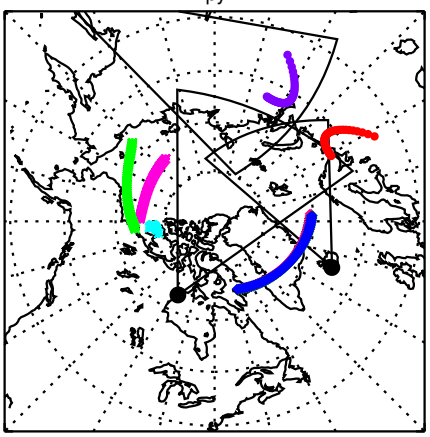


bpk unw

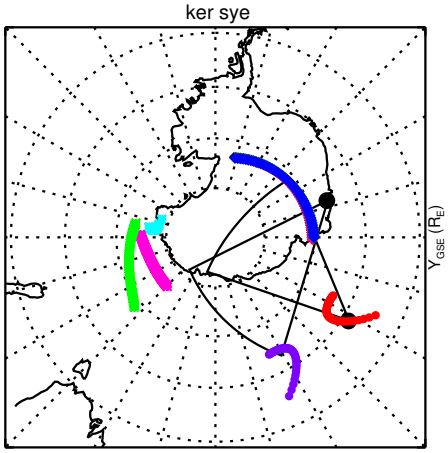


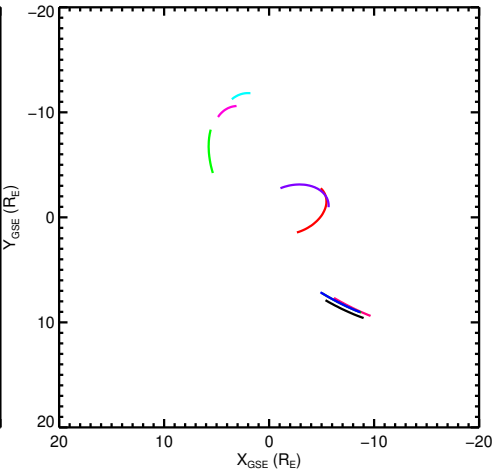


(e) 1845UT to 2250UT
hkw pyk rkn



ker sye

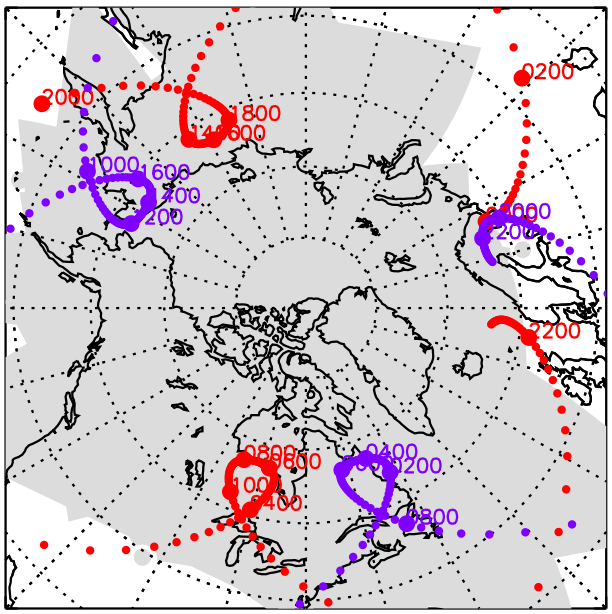


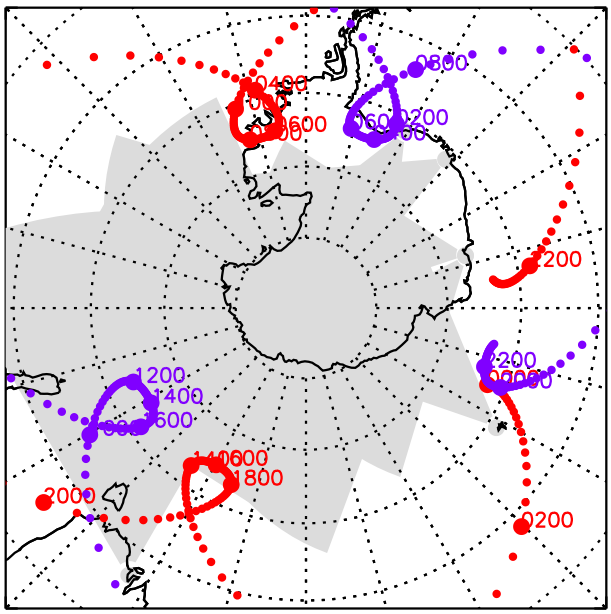


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

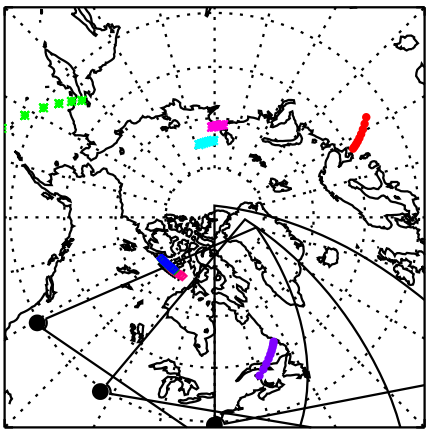
08–Oct–2016

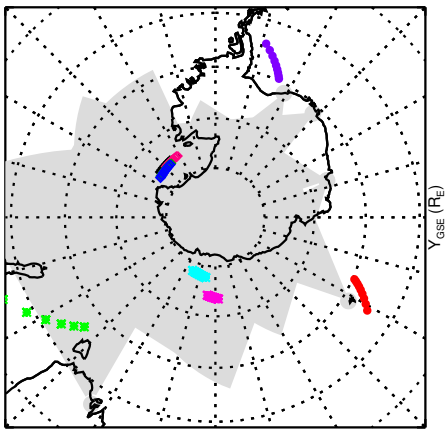
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

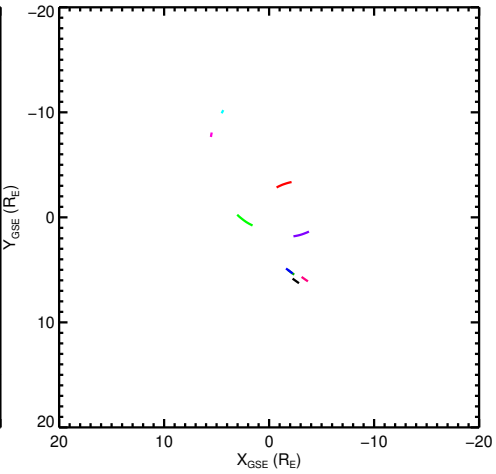




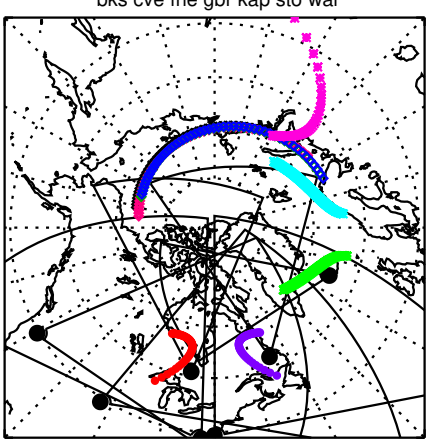
(a) 0055UT to 0135UT
cve fhe wal

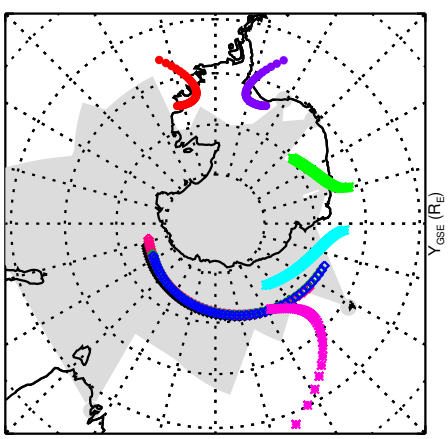


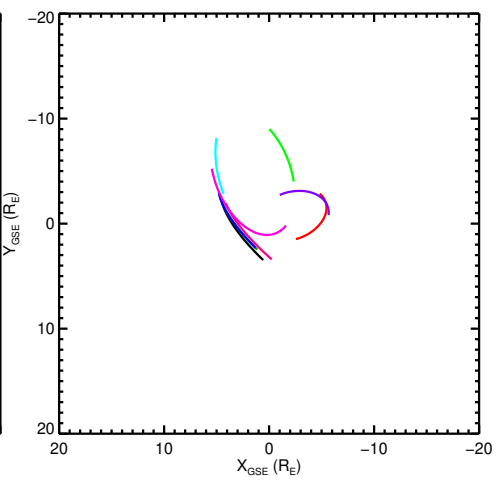




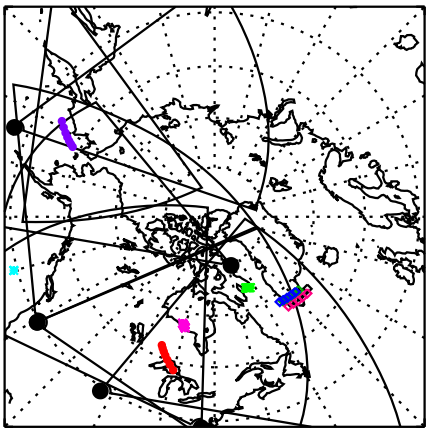
(b) 0340UT to 0755UT
bks cve fhe gbr kap sto wal



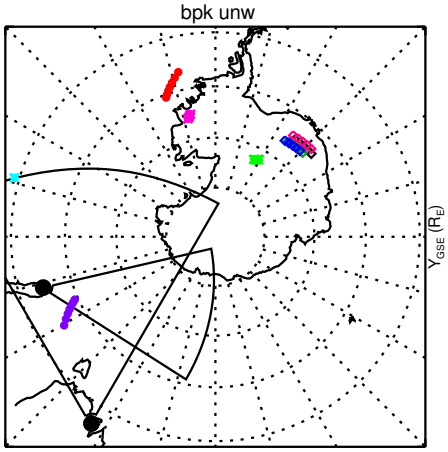


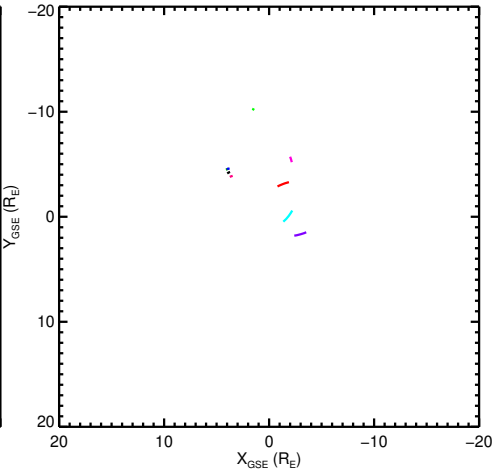


(c) 1000UT to 1030UT
adw bks cly cve cvw fhe hok

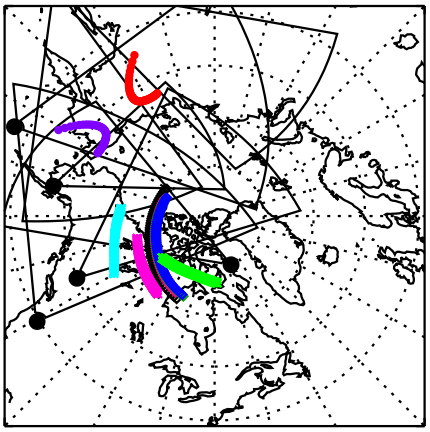


bpk unw

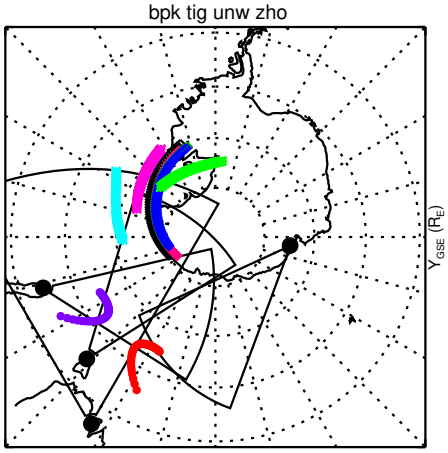


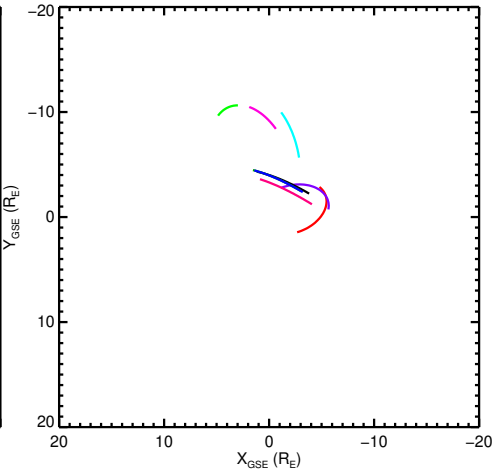


(d) 1240UT to 1655UT
adw cly cvw hkw hok ksr pgr

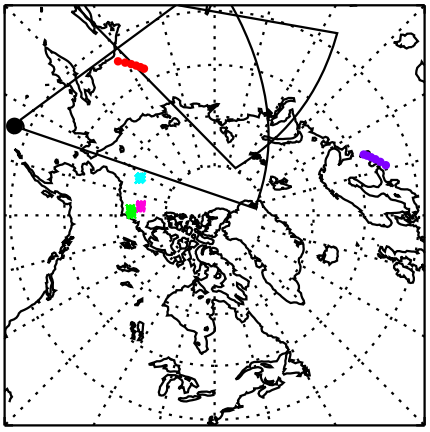


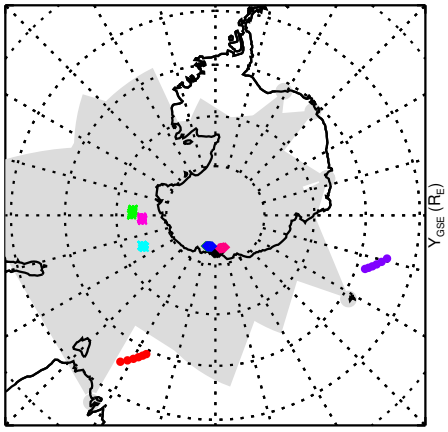
bpk tig unw zho

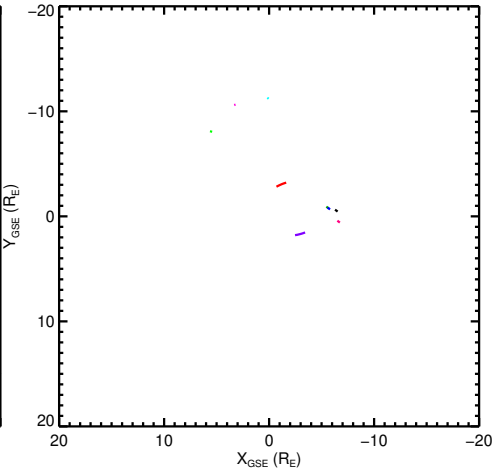




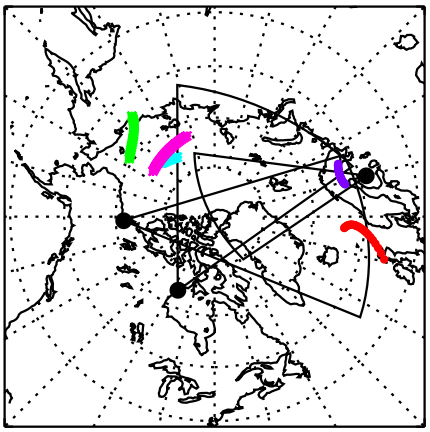
(e) 1905UT to 1930UT
adw hkw

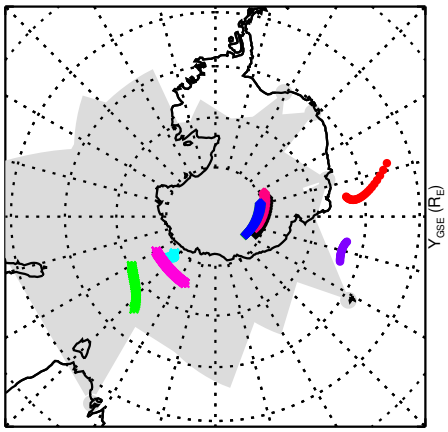


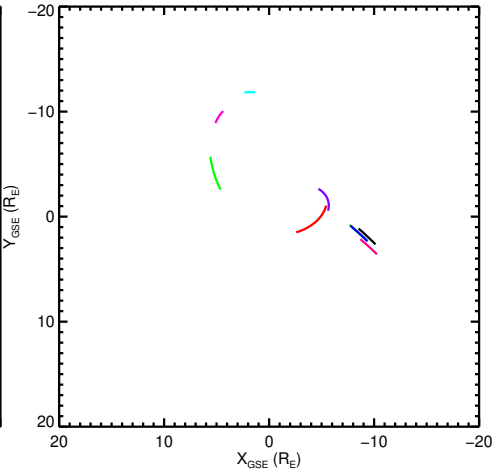




(f) 2135UT to 2355UT
han inv rkn



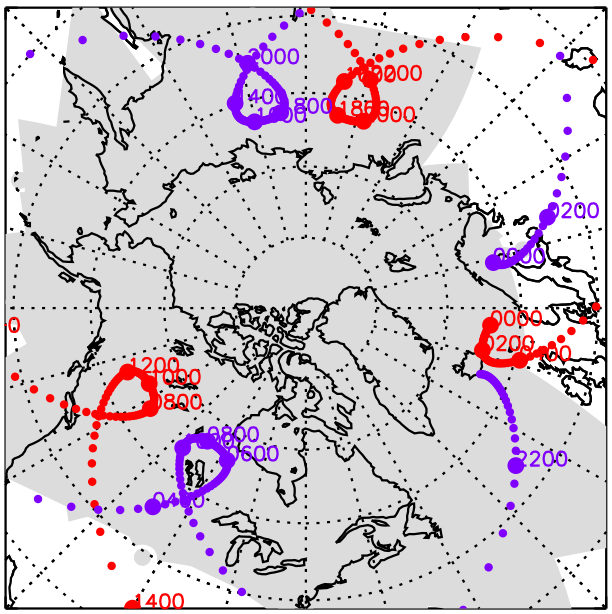


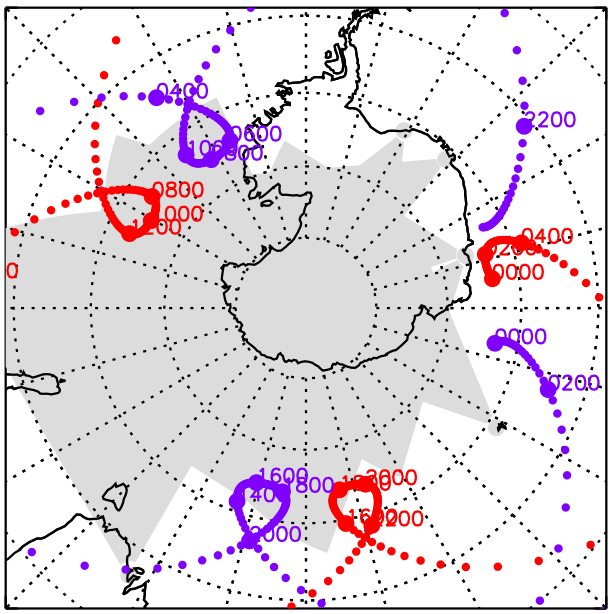


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

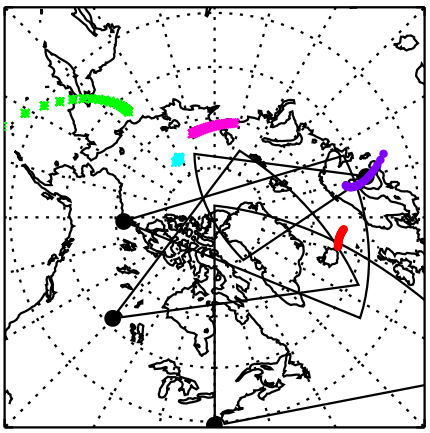
09–Oct–2016

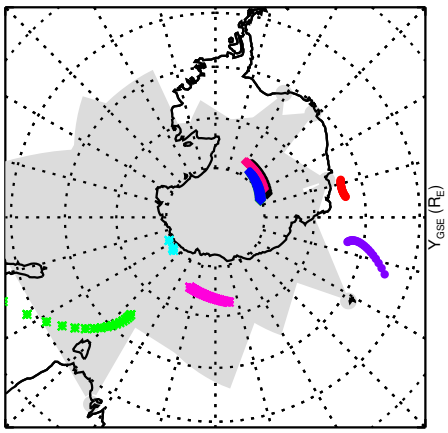
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

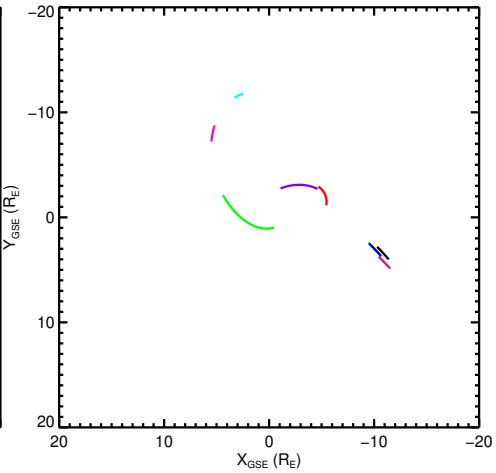




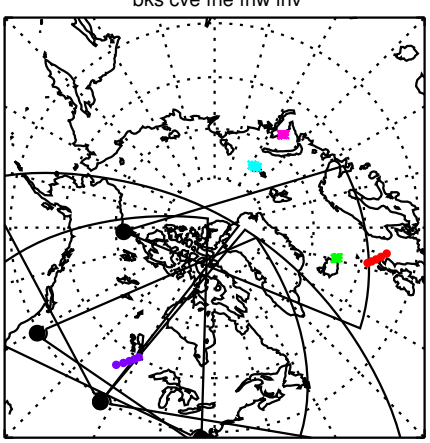
(a) 0000UT to 0200UT
han inv sas wal



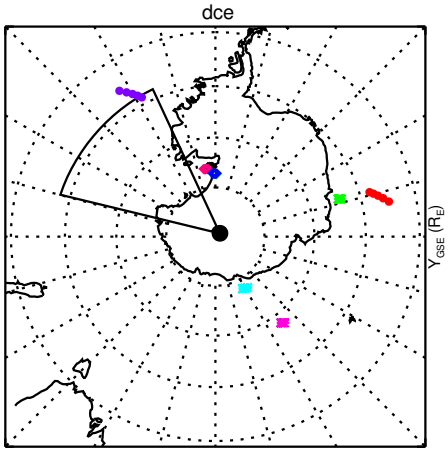


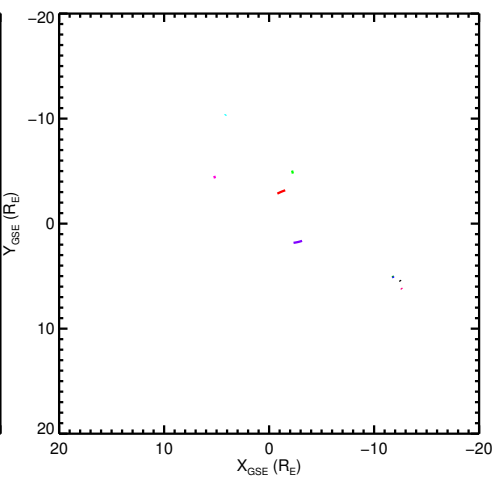


(b) 0405UT to 0425UT
bks cve fhe fhw inv

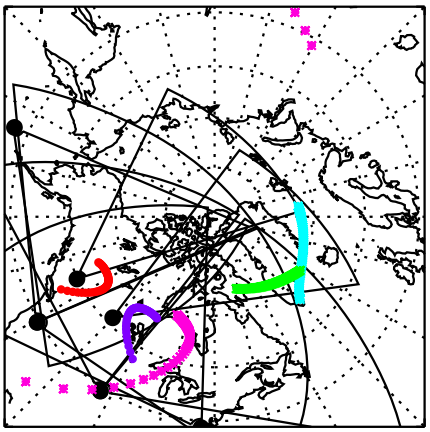


dce

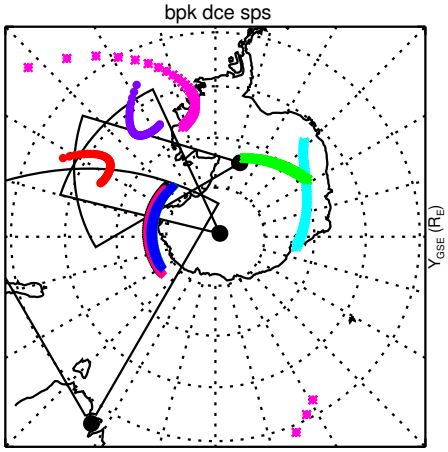


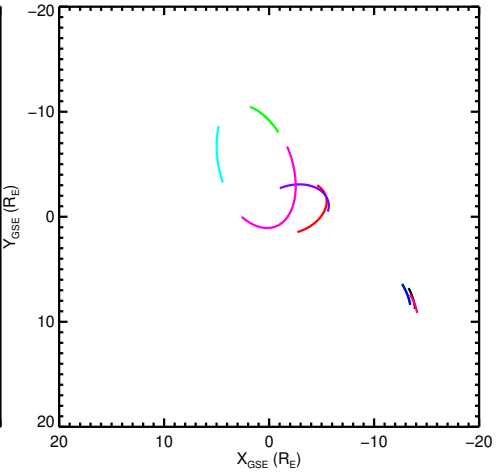


(c) 0635UT to 1105UT
ade bks cve cvw fhe fhw pgr sas

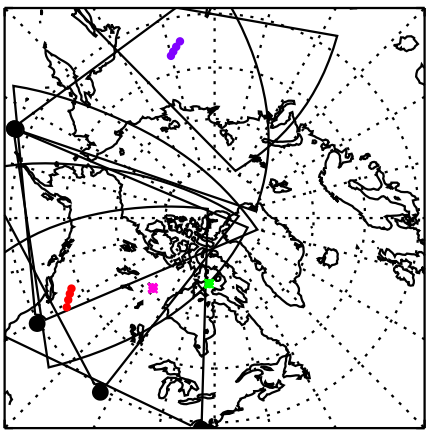


bpk dce sps

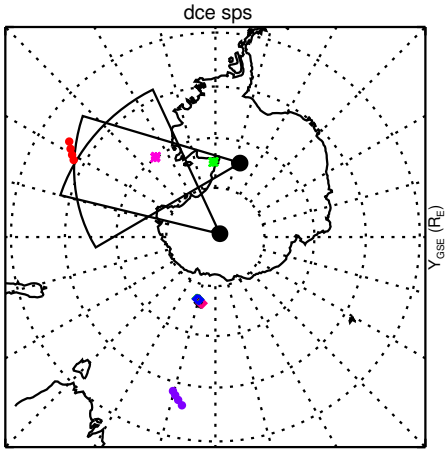


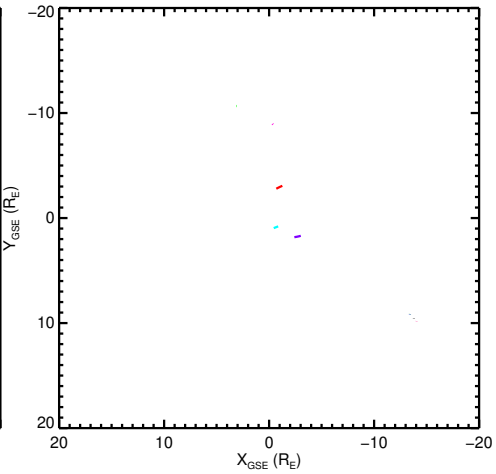


(d) 1310UT to 1325UT
ade adw bks cvw fhw hkw

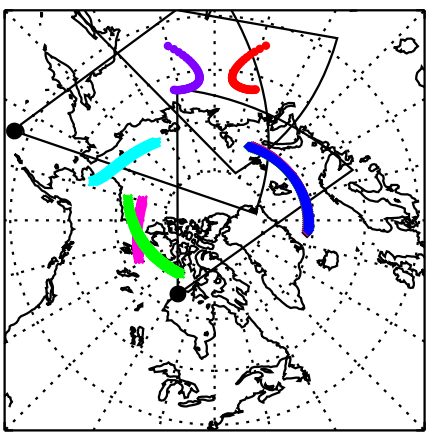


dce sps

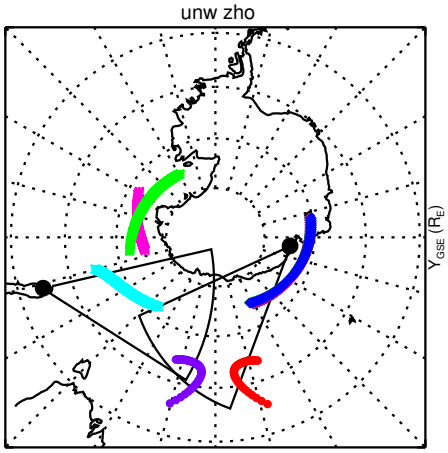


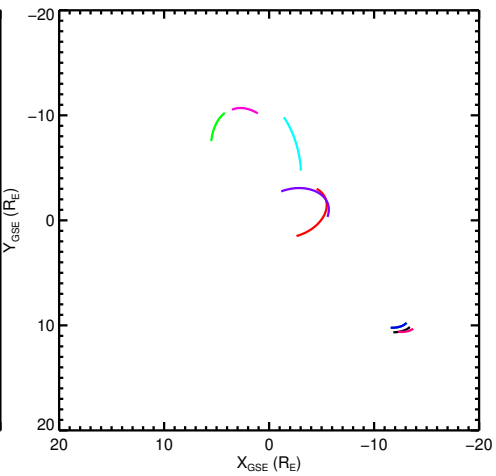


(e) 1530UT to 2005UT
adw hkw rkn

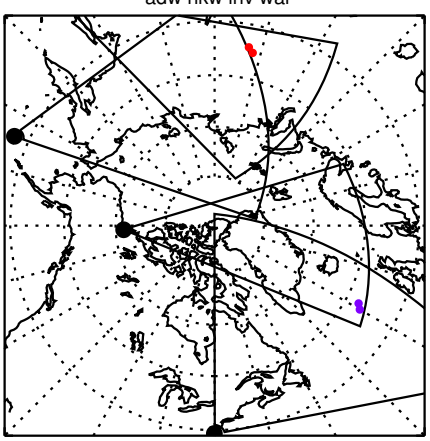


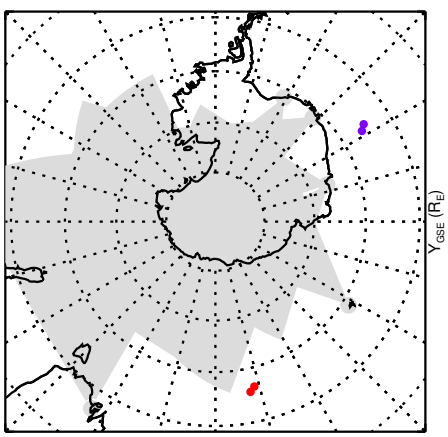
unw zho

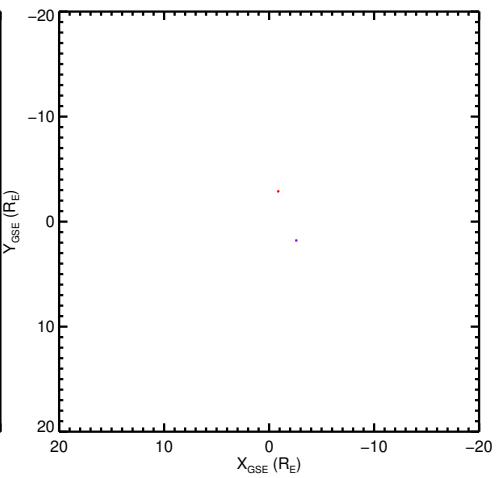




(f) 2215UT to 2220UT
adw hkw inv wal



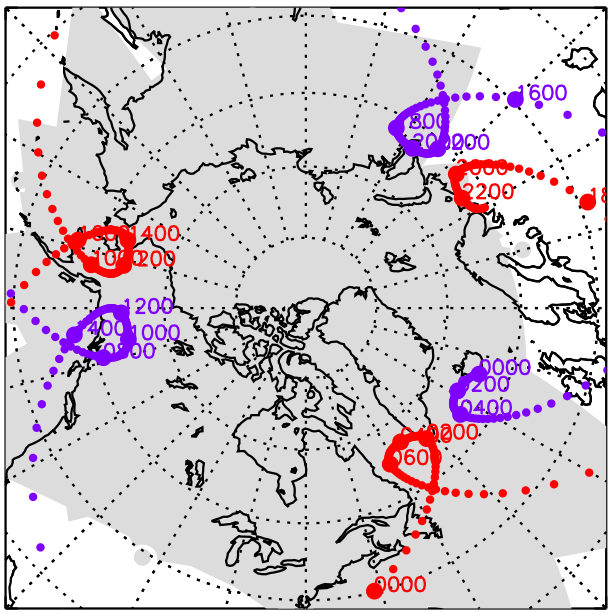


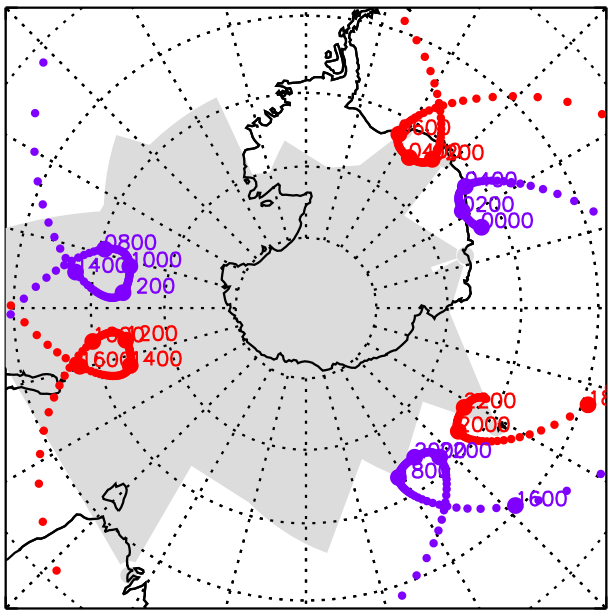


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

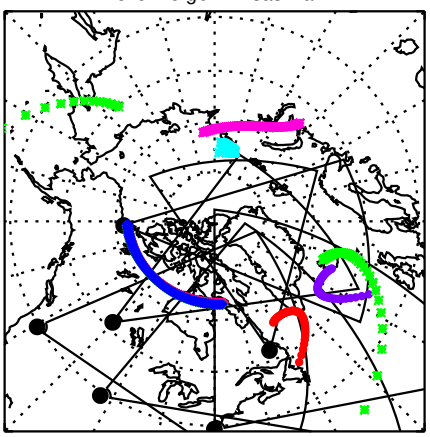
10–Oct–2016

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

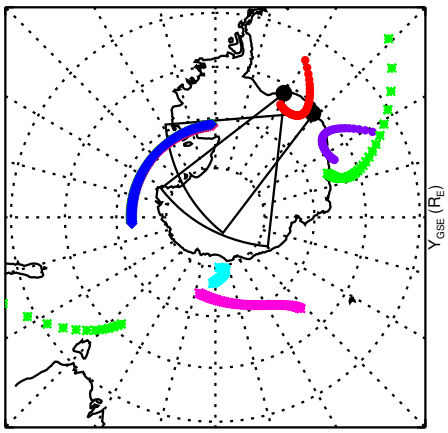


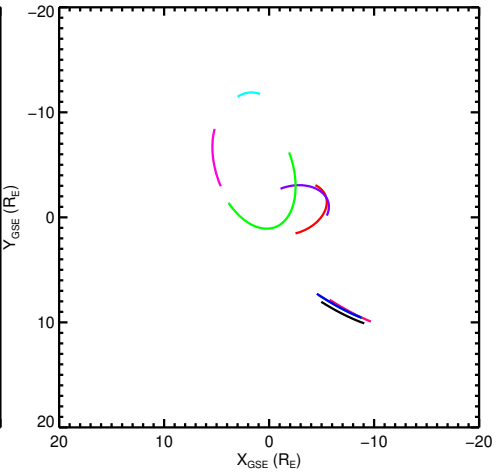


(a) 0025UT to 0510UT
cve fhe gbr inv sas wal

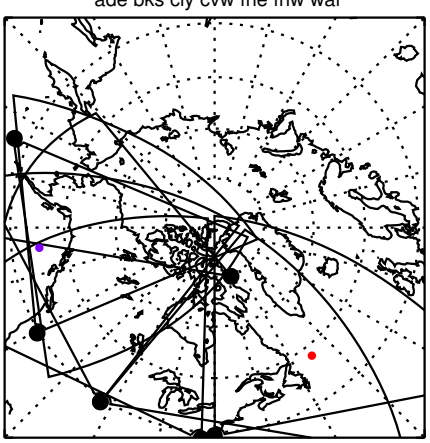


hal san

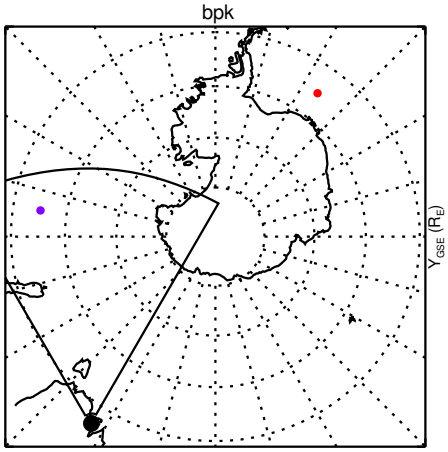


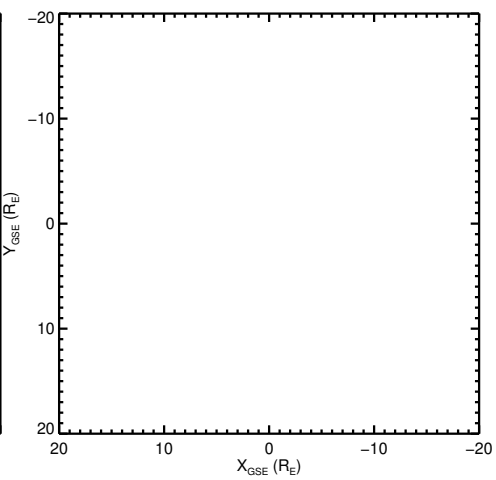


(b) 0715UT to 0715UT
ade bks cly cvw fhe fhw wal

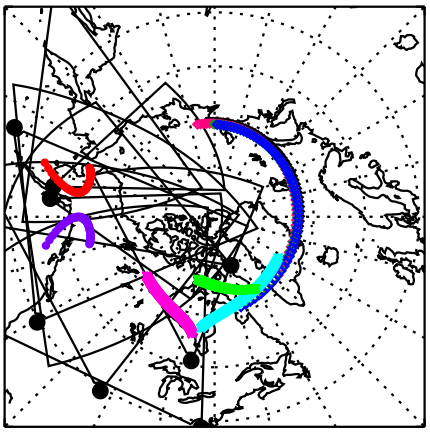


bpk

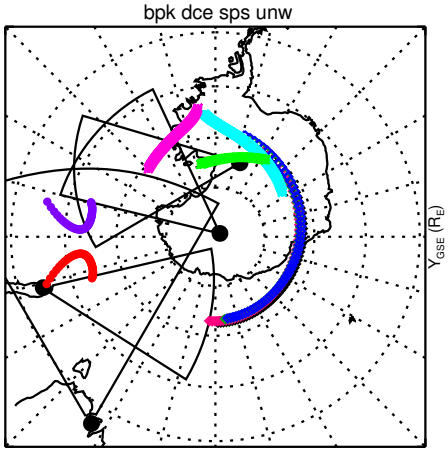


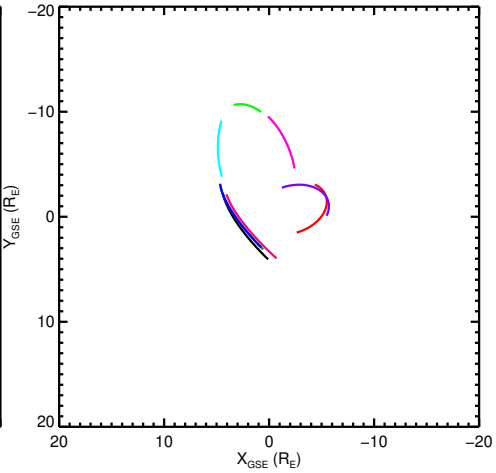


(c) 0925UT to 1410UT
ade bks cly cvw fhw hok kap kod ksr

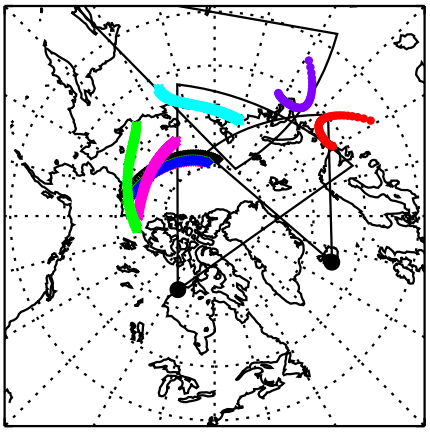


bpk dce sps unw

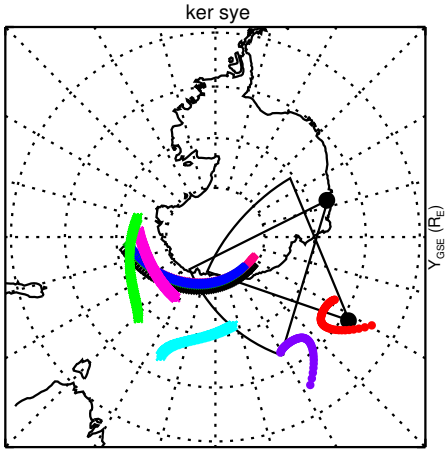


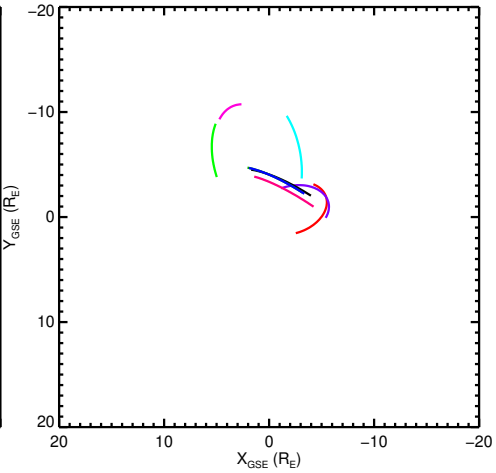


(d) 1820UT to 2315UT
hkw pyk rkn



ker sye

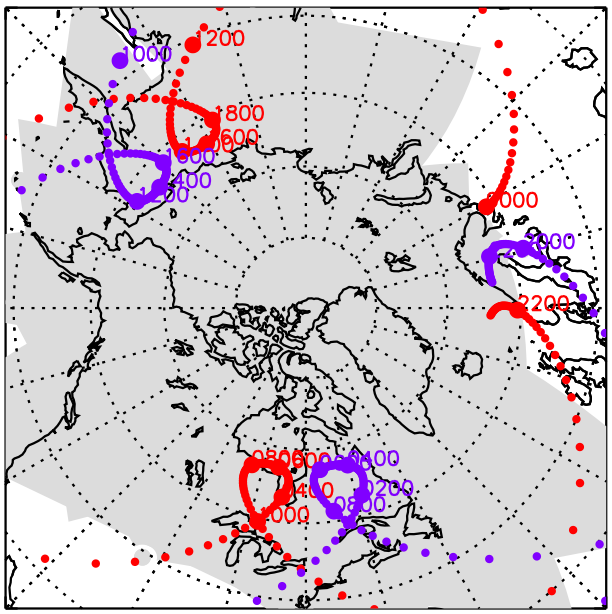


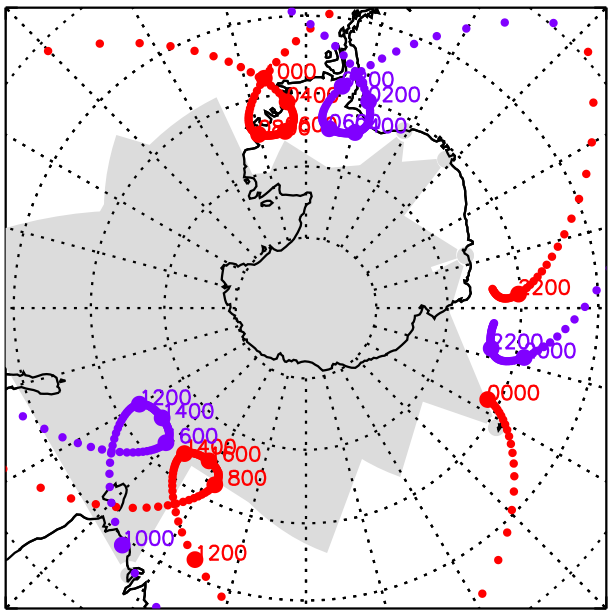


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

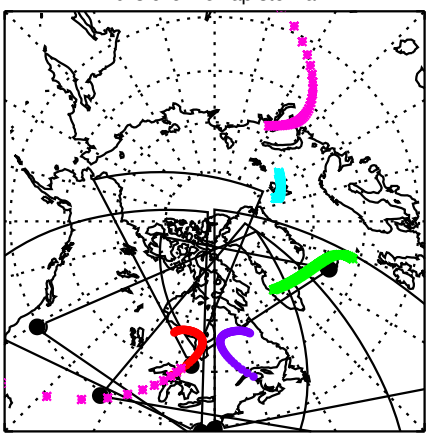
11−Oct−2016

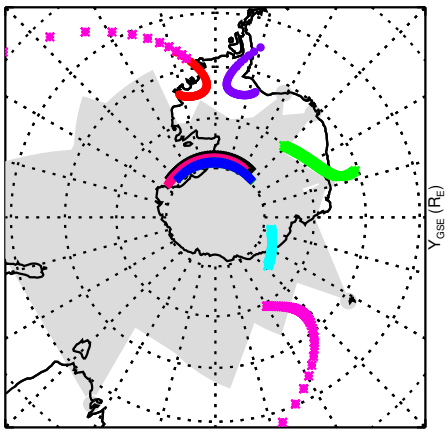
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

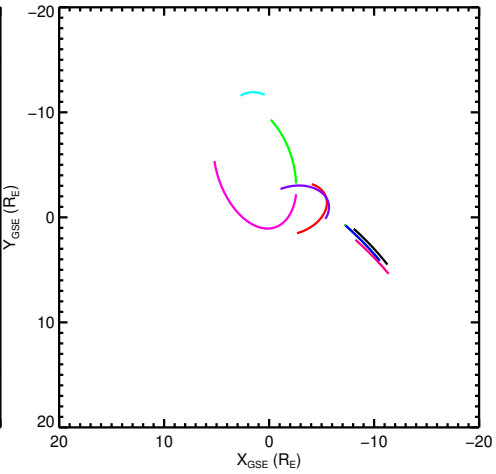




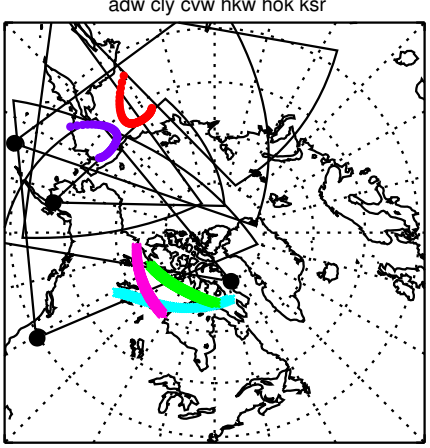
(a) 0320UT to 0820UT
bks cve fhe kap sto wal



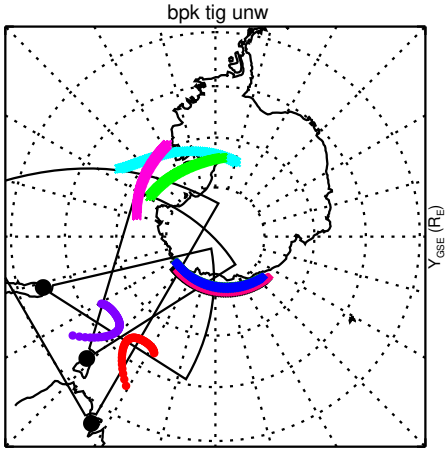


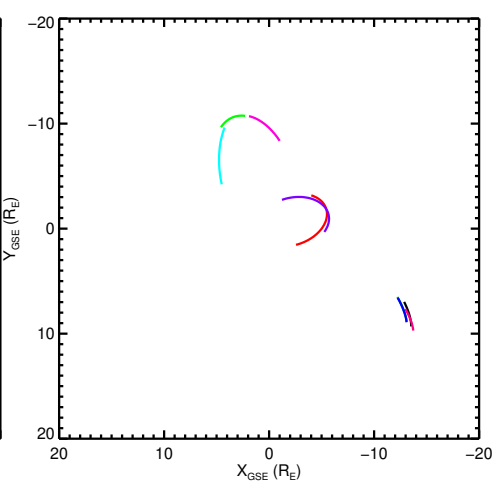


(b) 1215UT to 1720UT
adw cly cvw hkw hok ksr

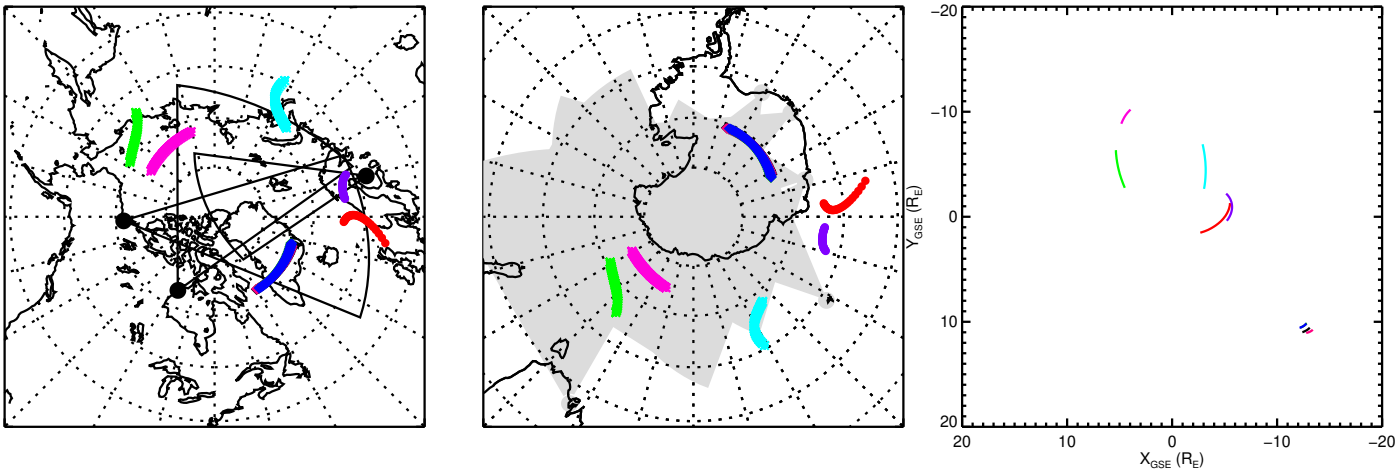


bpk tig unw





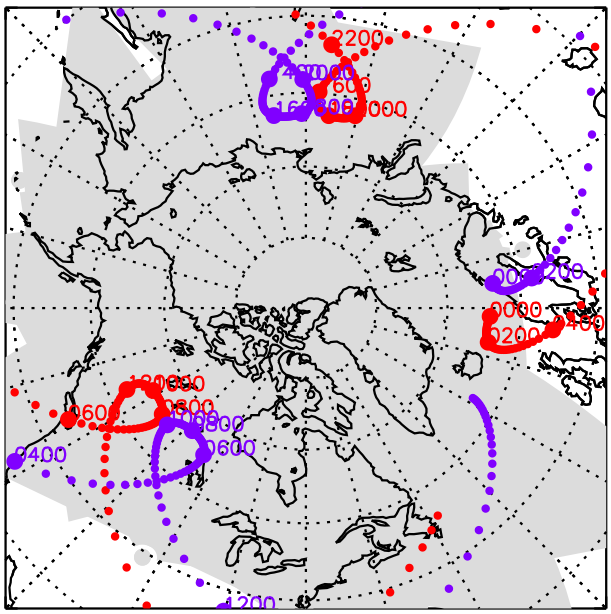
(c) 2115UT to 2355UT
han inv rkn

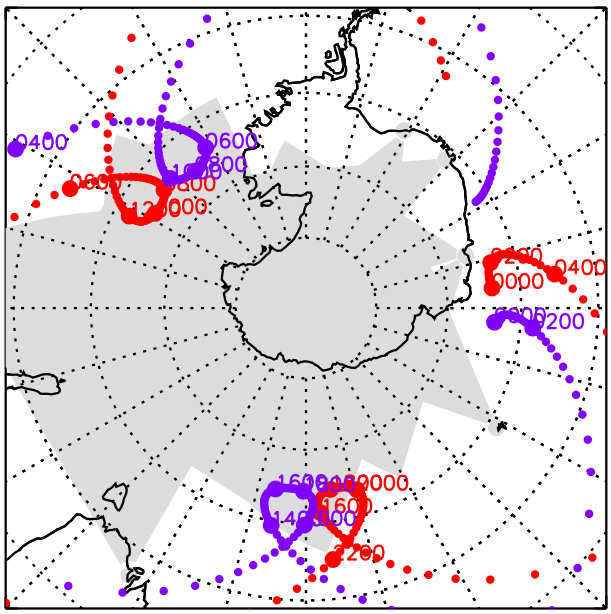


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

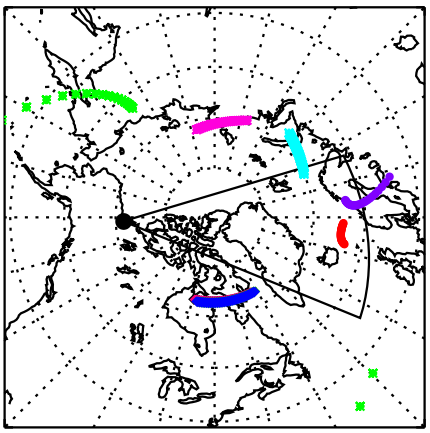
12–Oct–2016

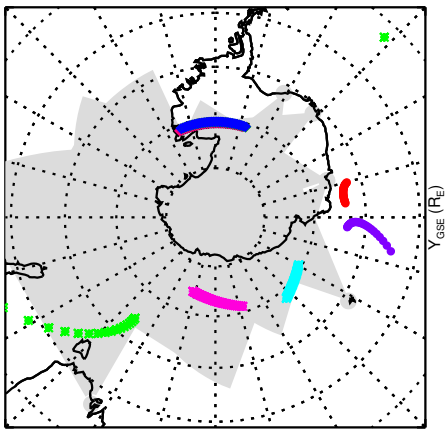
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

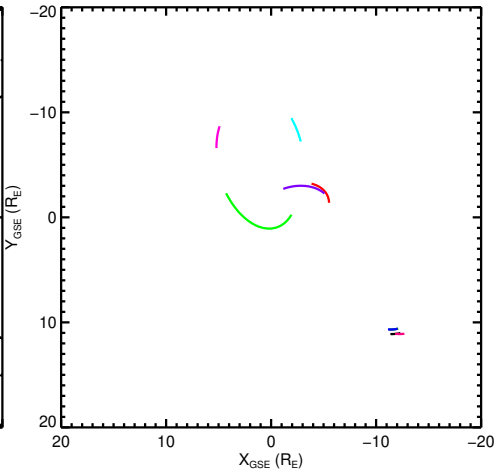




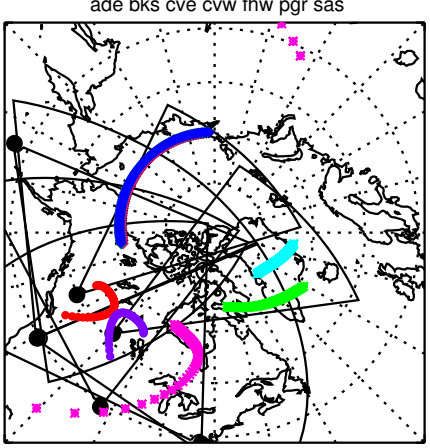
(a) 0000UT to 0225UT
inv



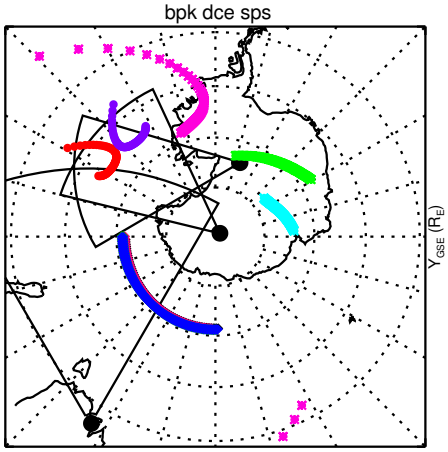


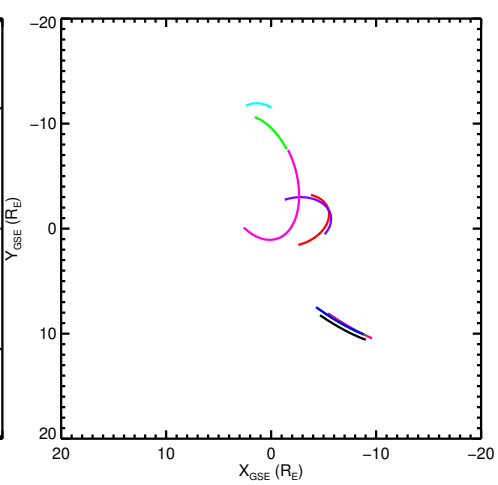


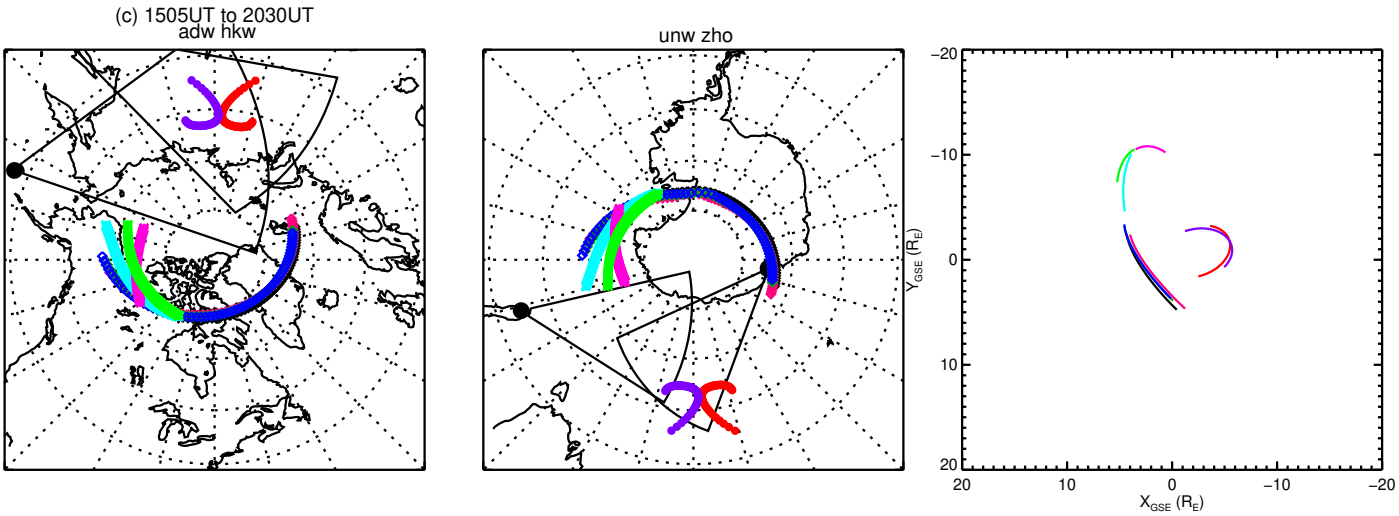
(b) 0610UT to 1125UT
ade bks cve cvw fhw pgr sas



bpk dce sps



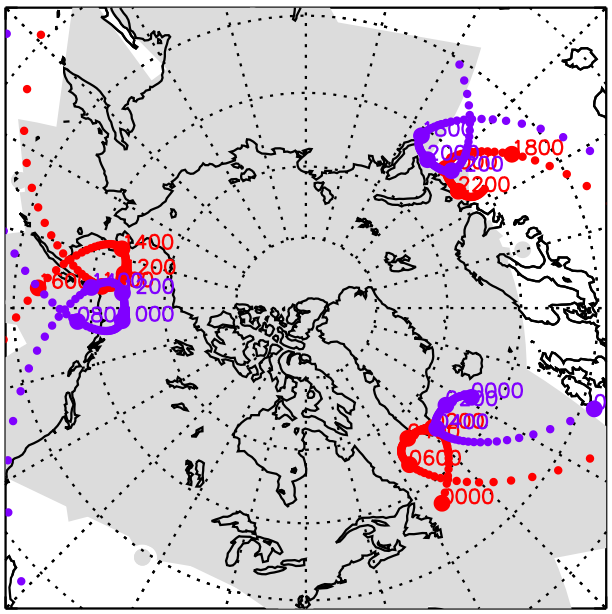


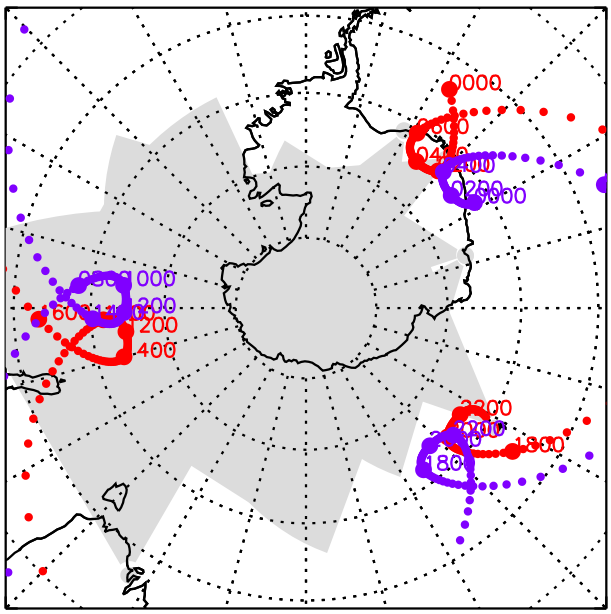

(c) 1505UT to 2030UT
adw hkw
unw zho
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

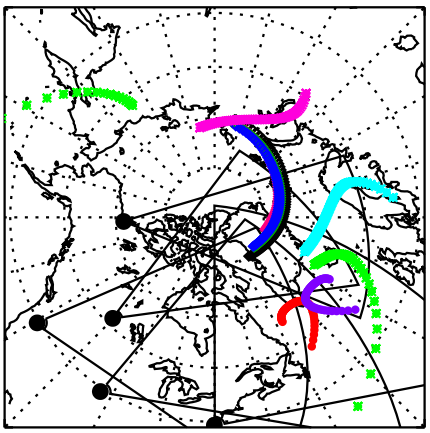
13–Oct–2016

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

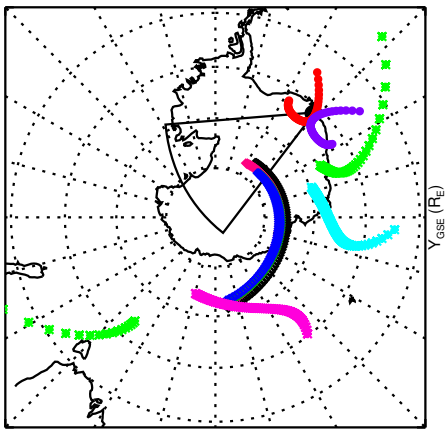


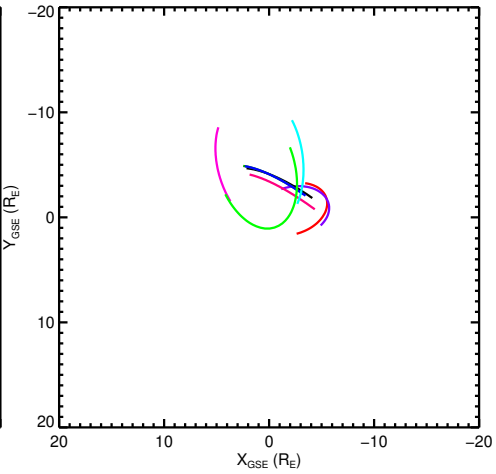


(a) 0005UT to 0535UT
cve fhe inv sas wal

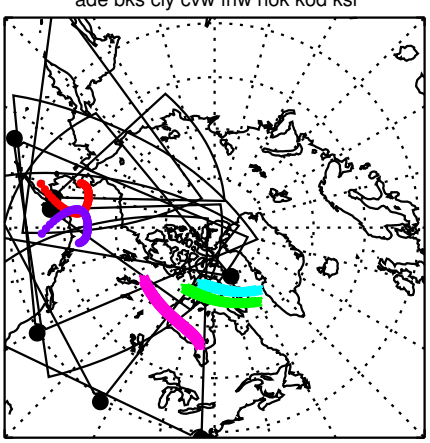


san

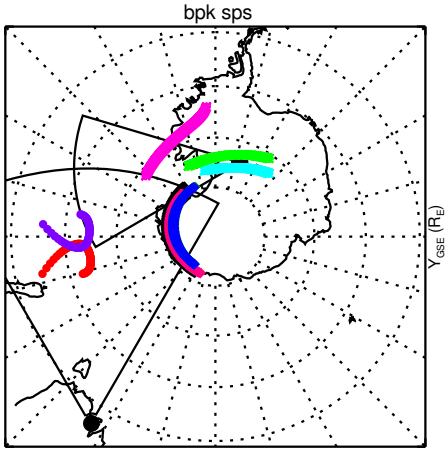


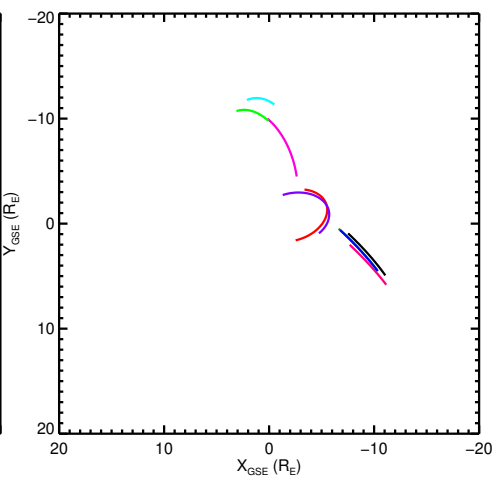


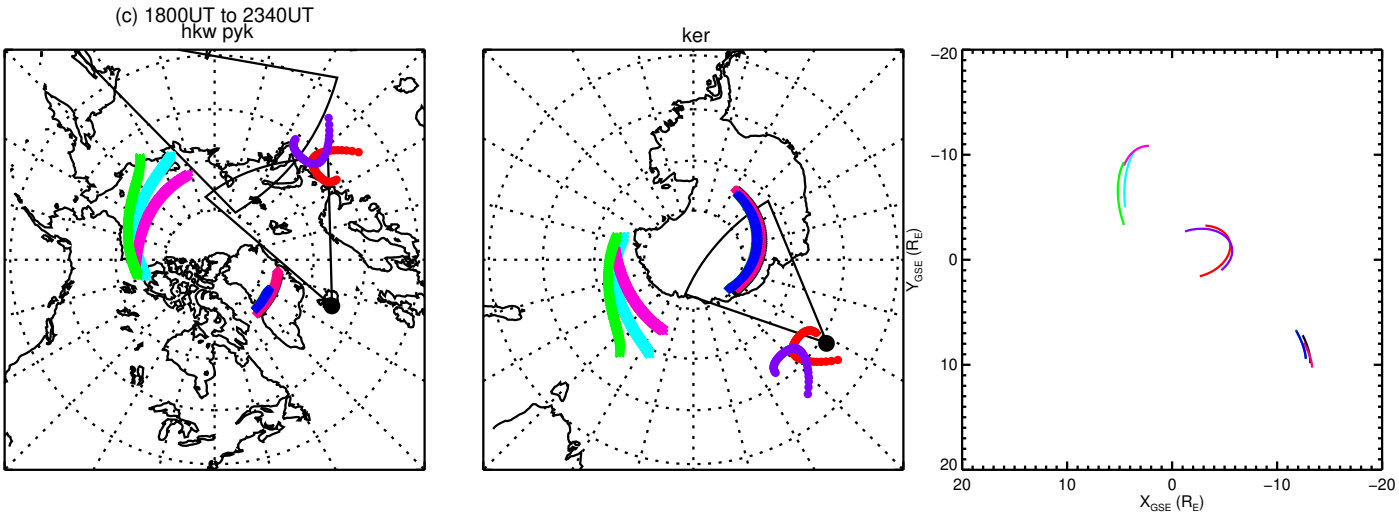
(b) 0900UT to 1435UT
ade bks cly cvw fhw hok kod ksr



bpk sps



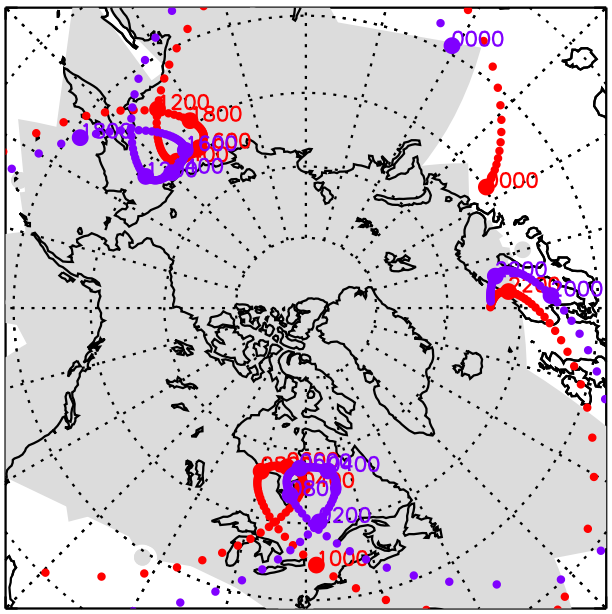


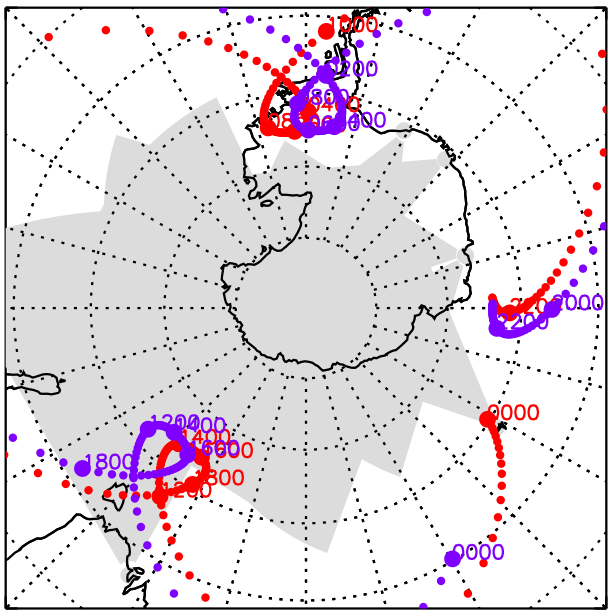

(c) 1800UT to 2340UT
hkw pyk
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

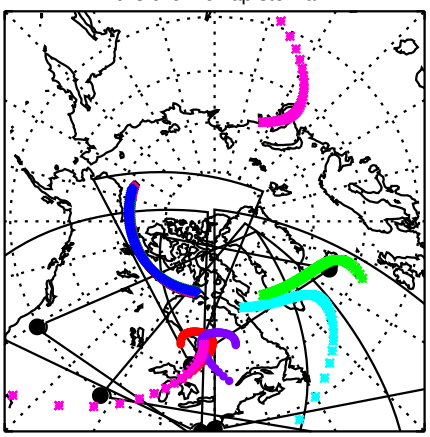
14–Oct–2016

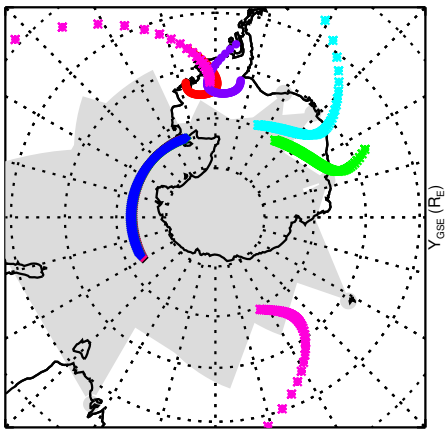
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

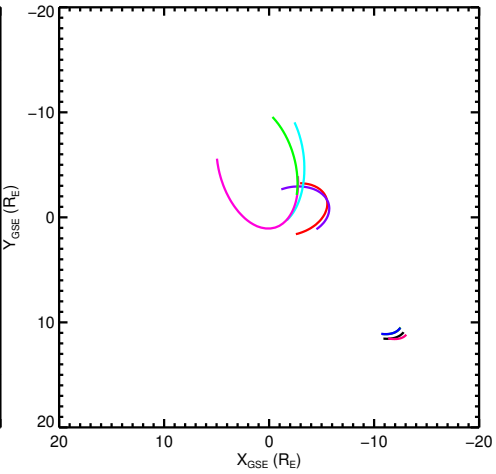




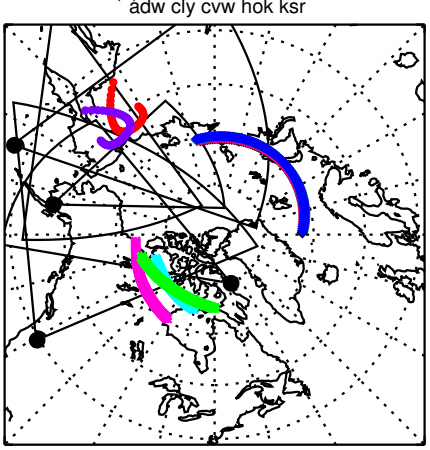
(a) 0255UT to 0845UT
bks cve fhe kap sto wal



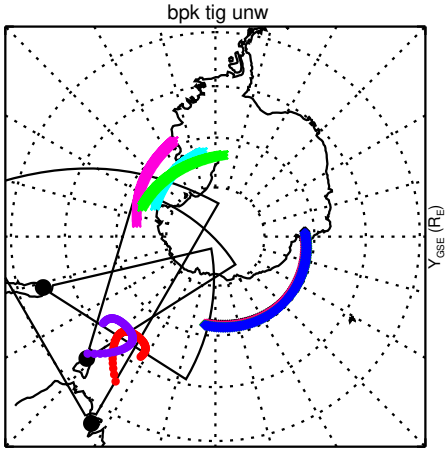


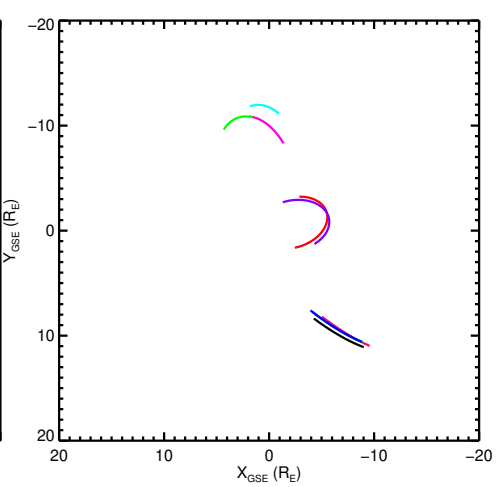


(b) 1150UT to 1745UT
adw cly cvw hok ksr

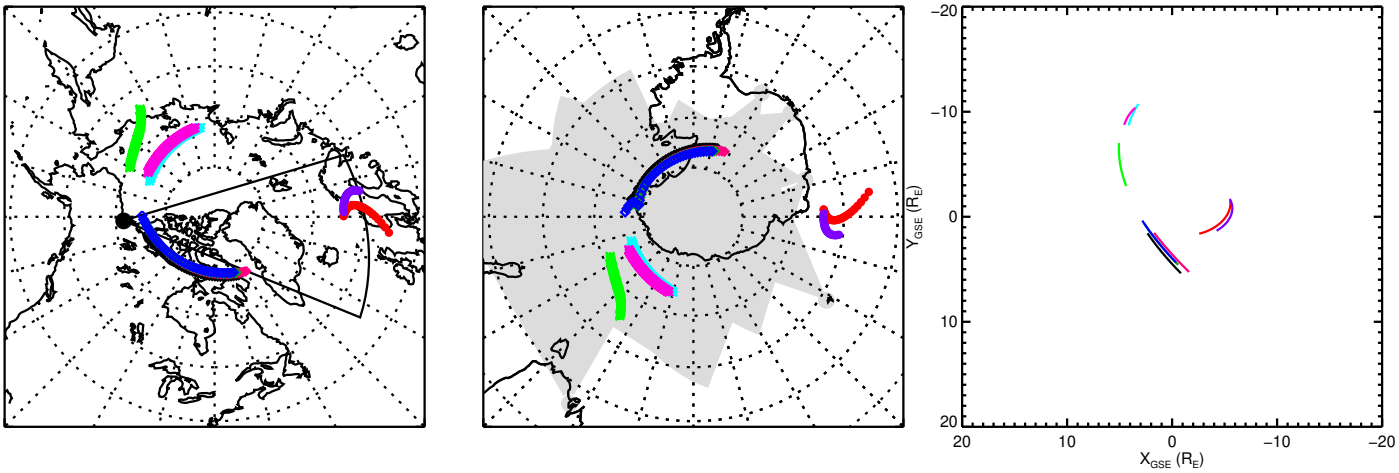


bpk tig unw





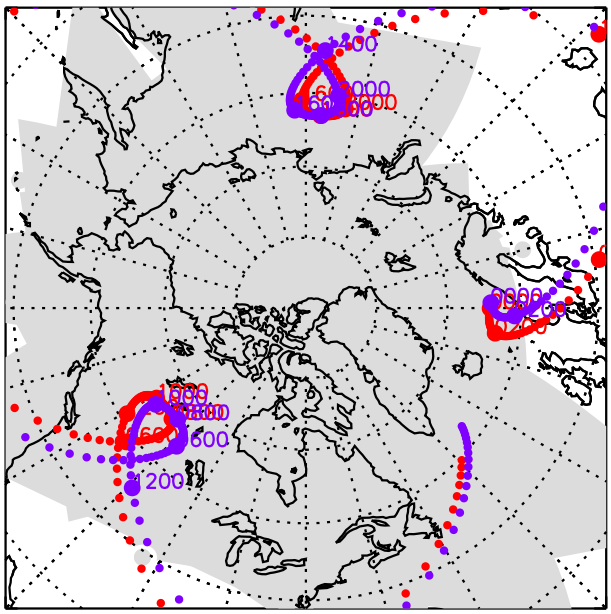
(c) 2050UT to 2355UT
inv

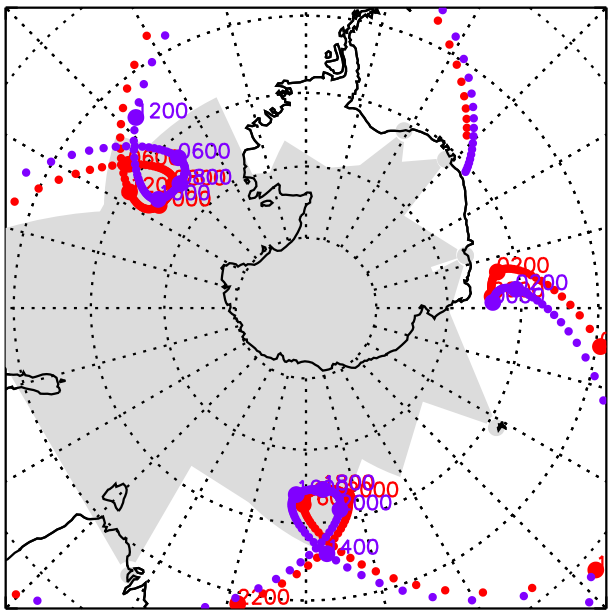


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

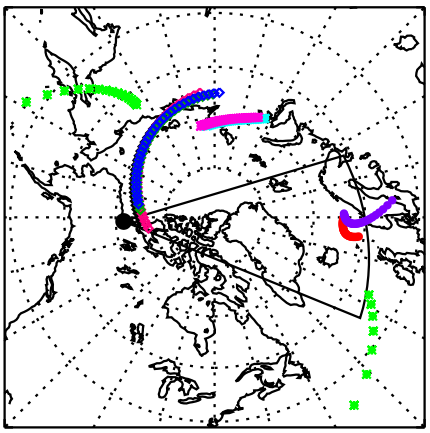
15–Oct–2016

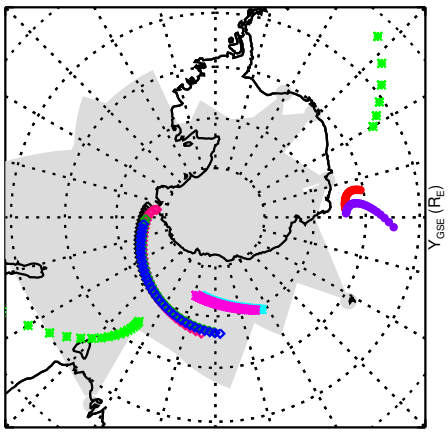
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

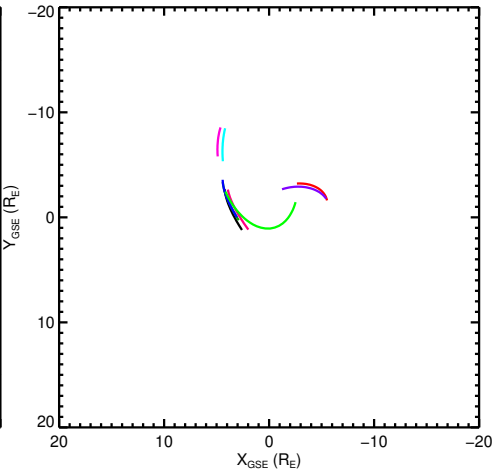




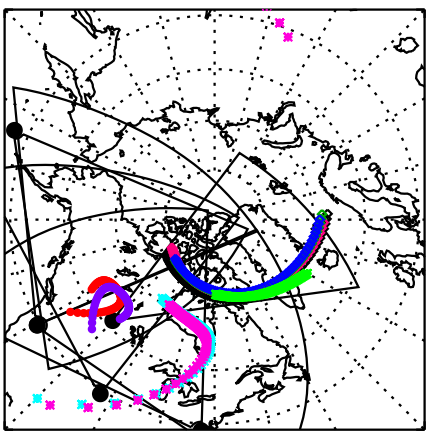
(a) 0000UT to 0250UT
inv



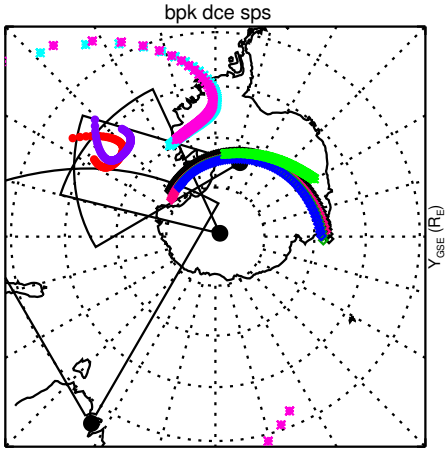


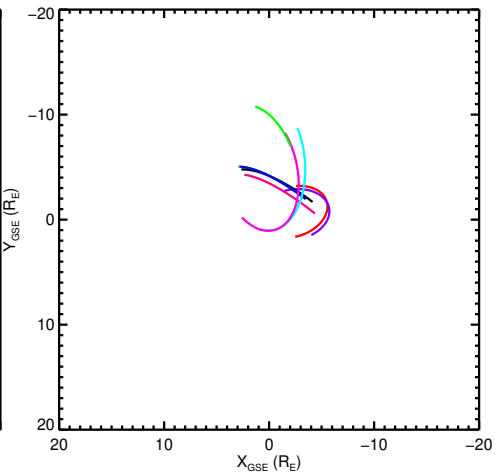


(b) 0545UT to 1150UT
ade bks cve cvw fhw sas

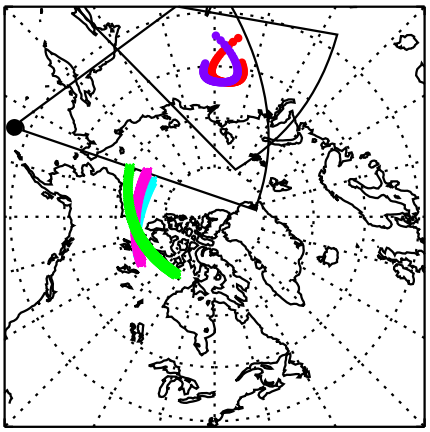


bpk dce sps

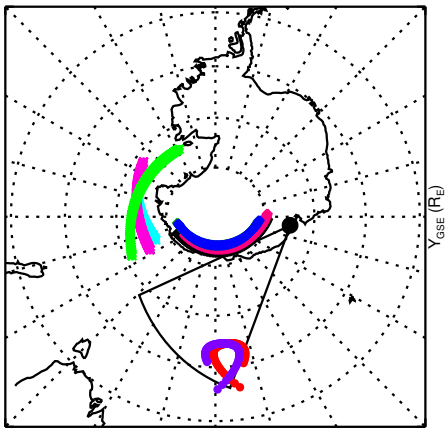


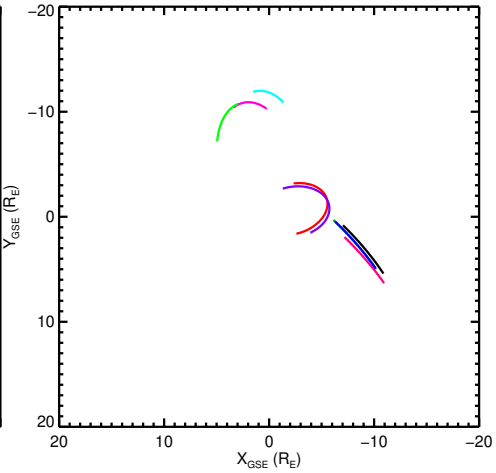


(c) 1445UT to 2055UT
adw hkw

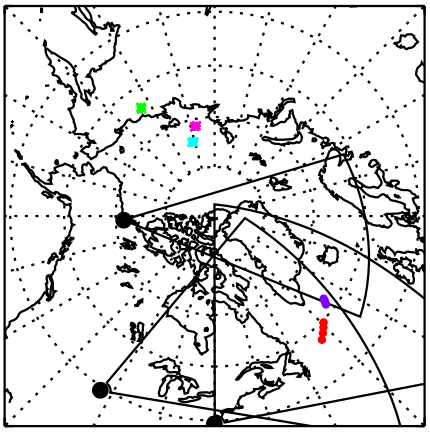


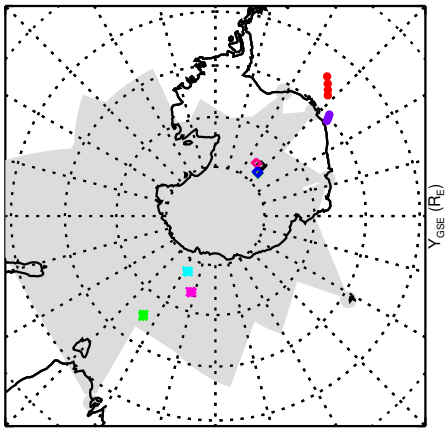
zho

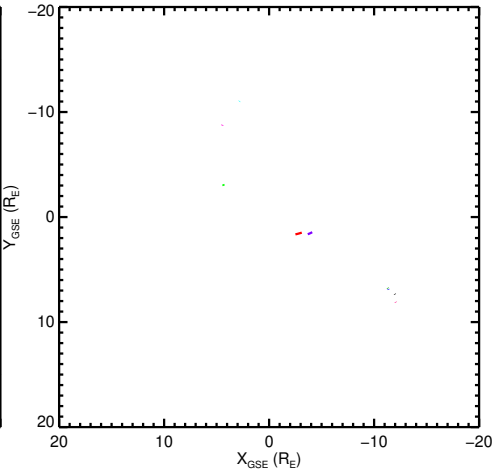




(d) 2340UT to 2355UT
fhe inv wal



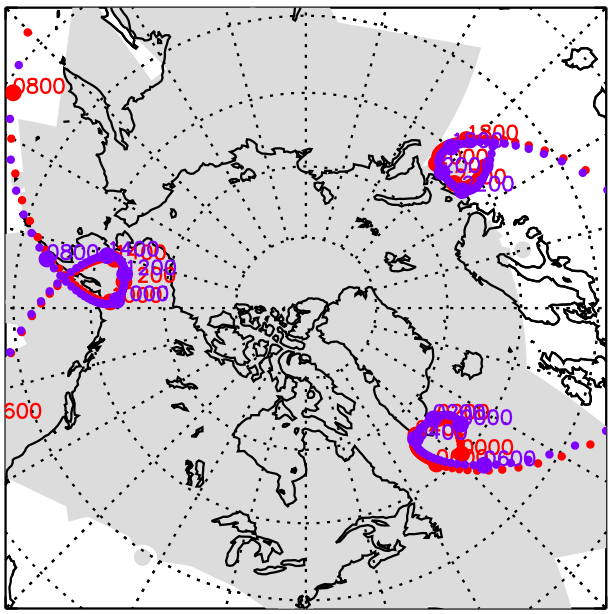


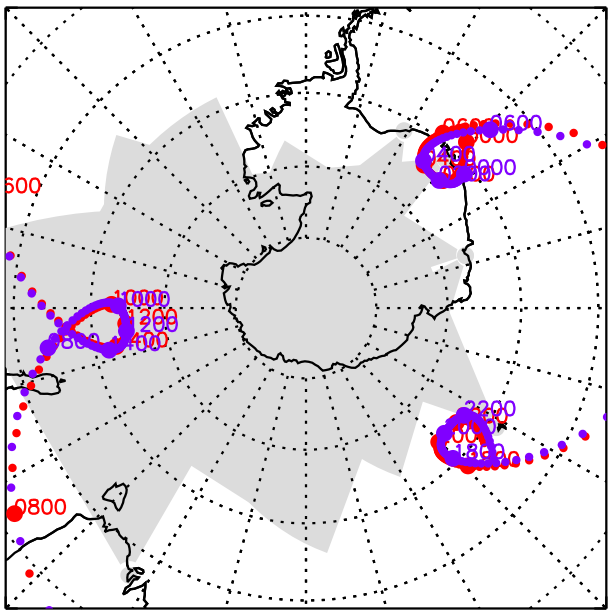


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

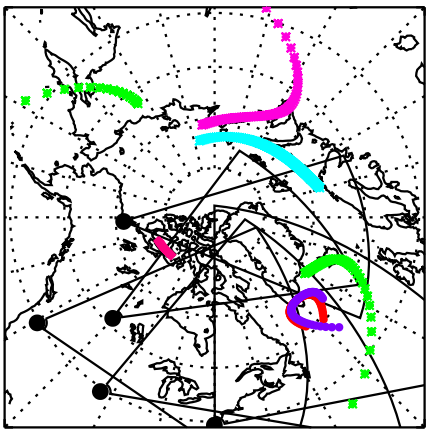
16–Oct–2016

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

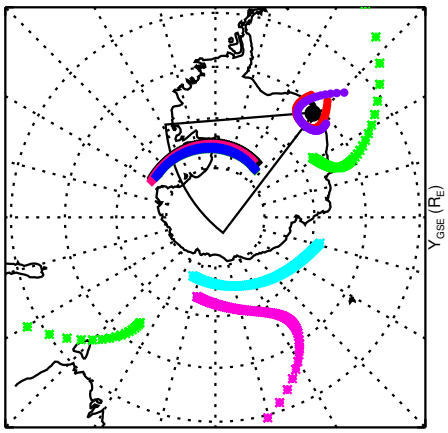


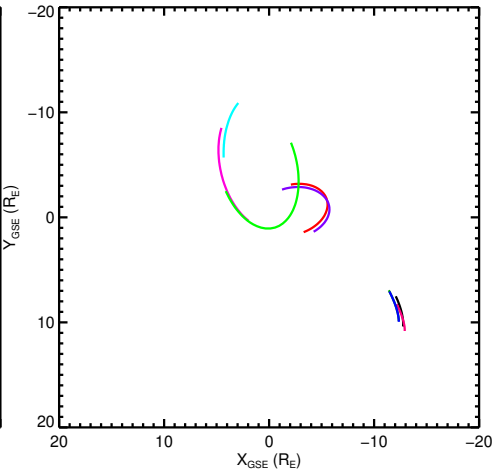


(a) 0000UT to 0600UT
cve fhe inv sas wal

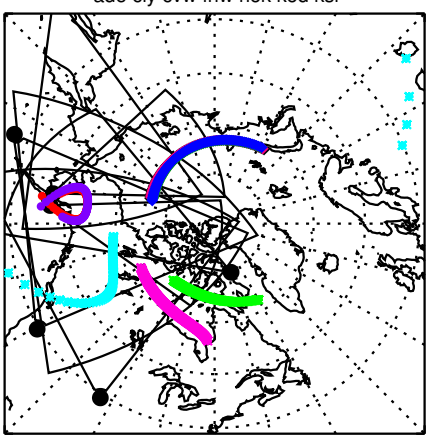


san

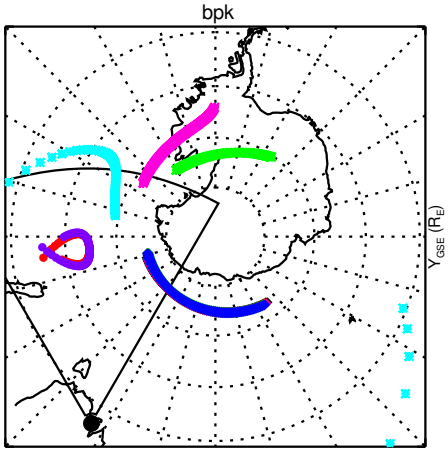


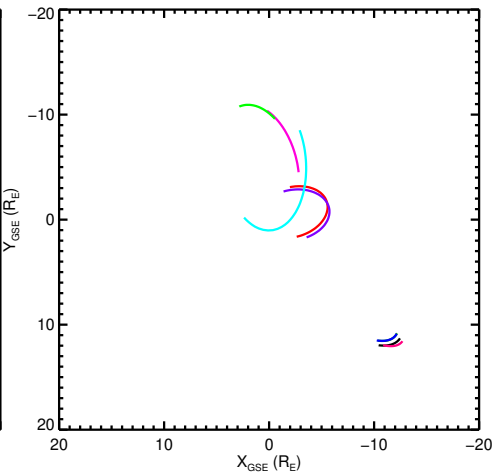


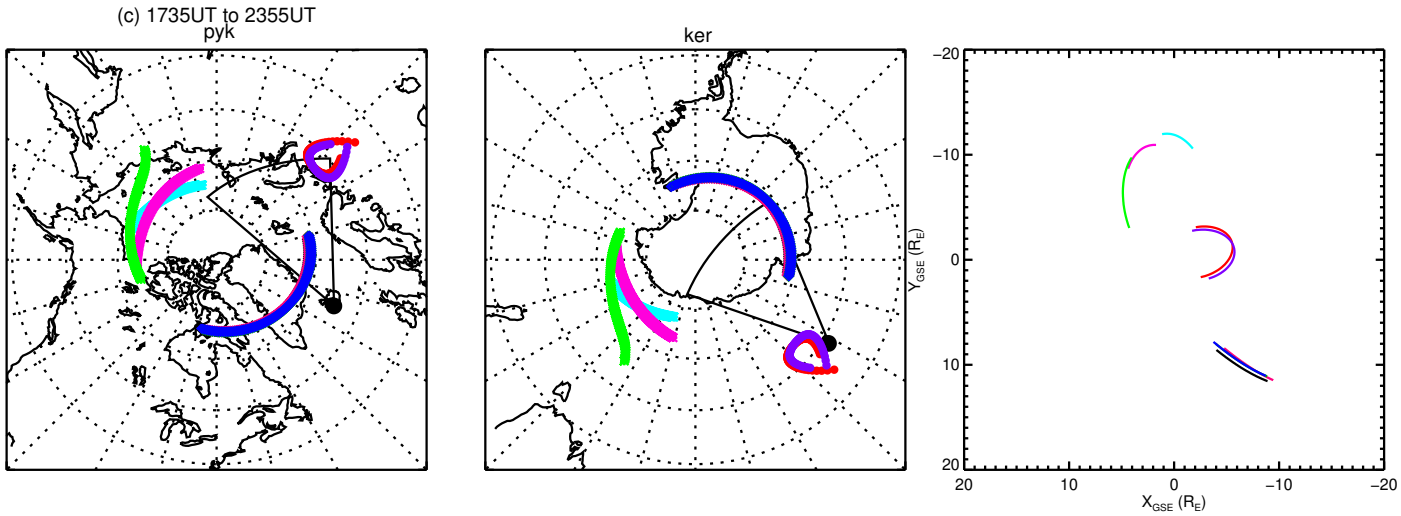
(b) 0840UT to 1500UT
ade cly cvw fhw hok kod ksr



bpk



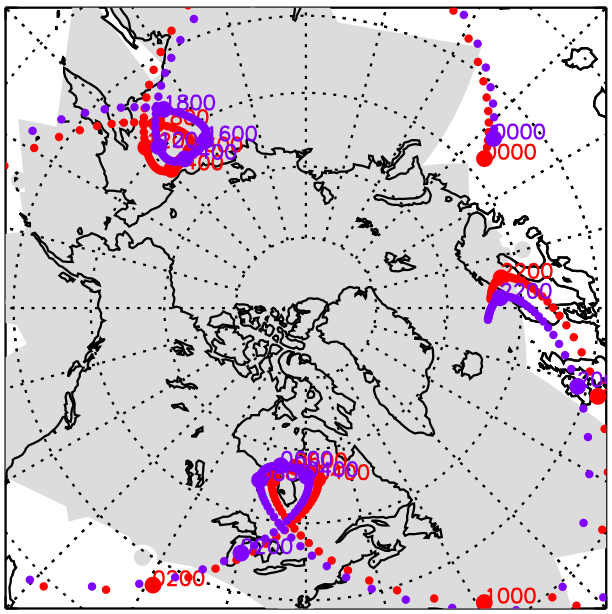


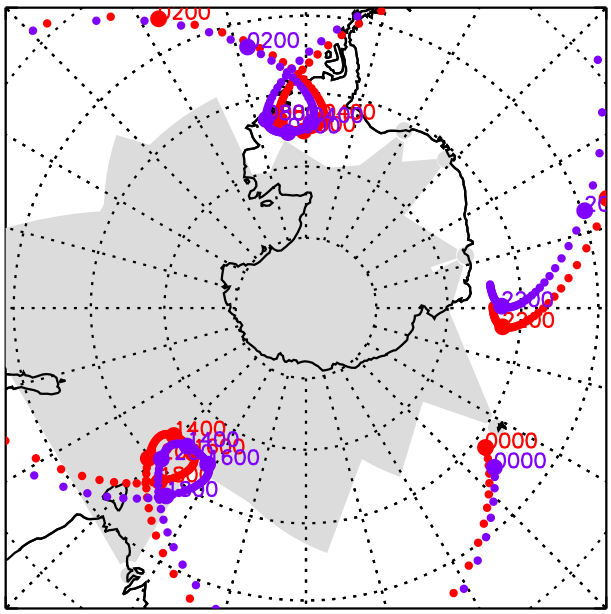

(c) 1735UT to 2355UT
pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

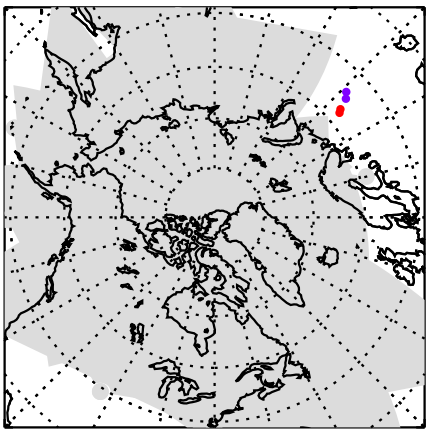
17−Oct−2016

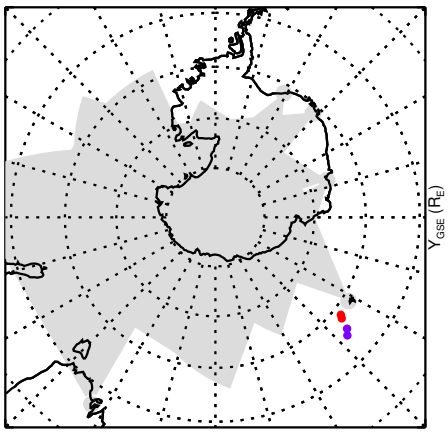
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

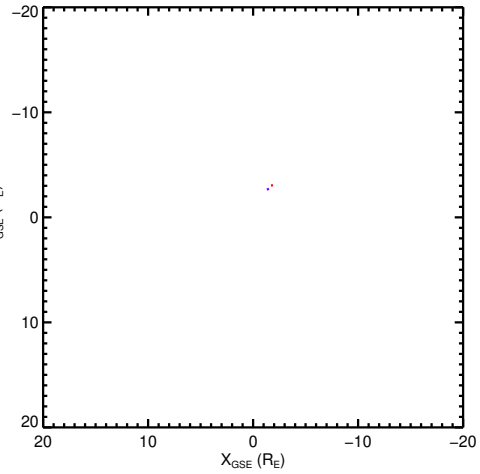




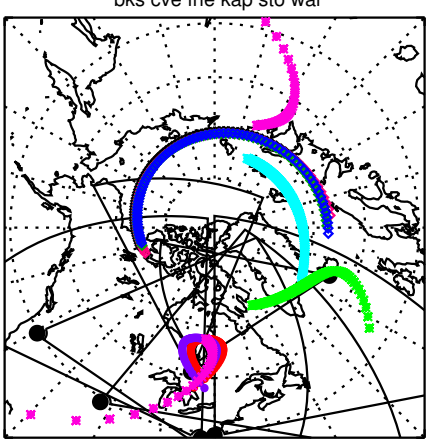
(a) 0000UT to 0005UT

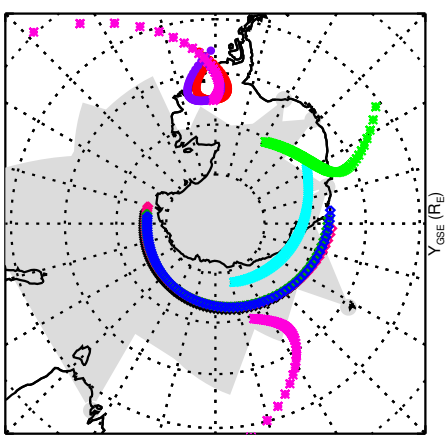


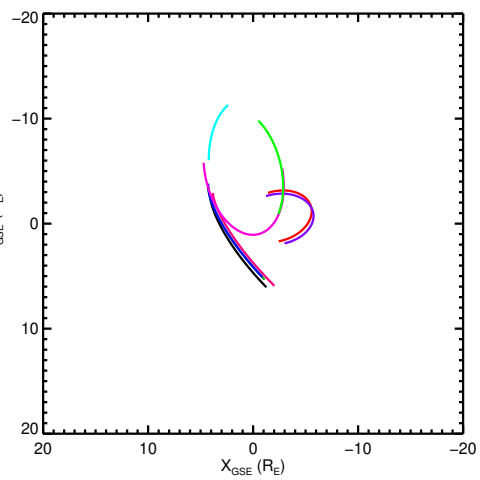




(b) 0230UT to 0910UT
bks cve fhe kap sto wal

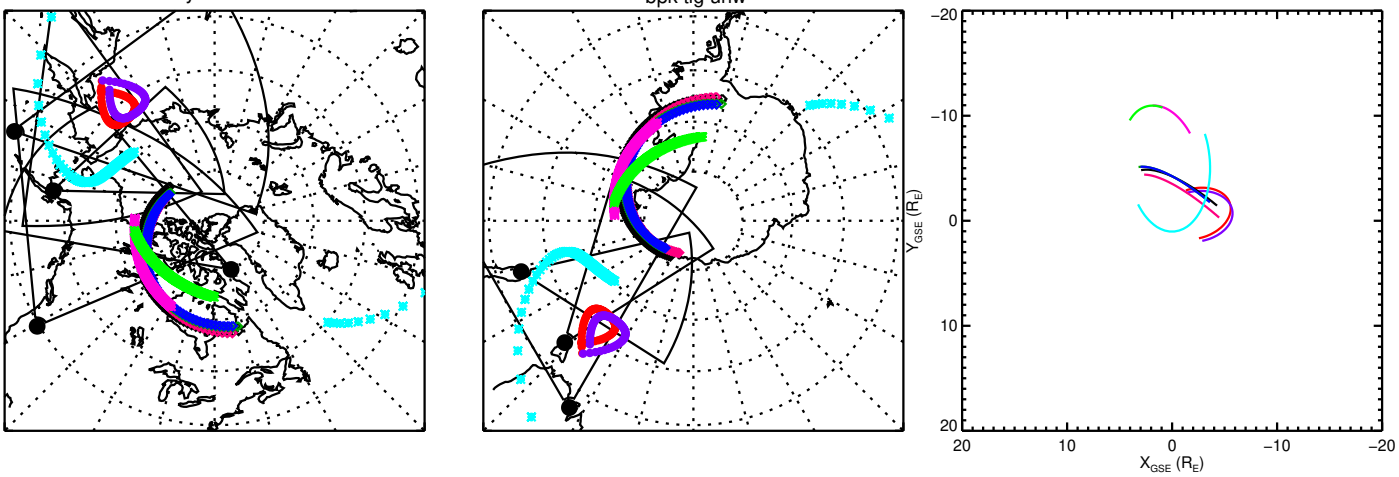




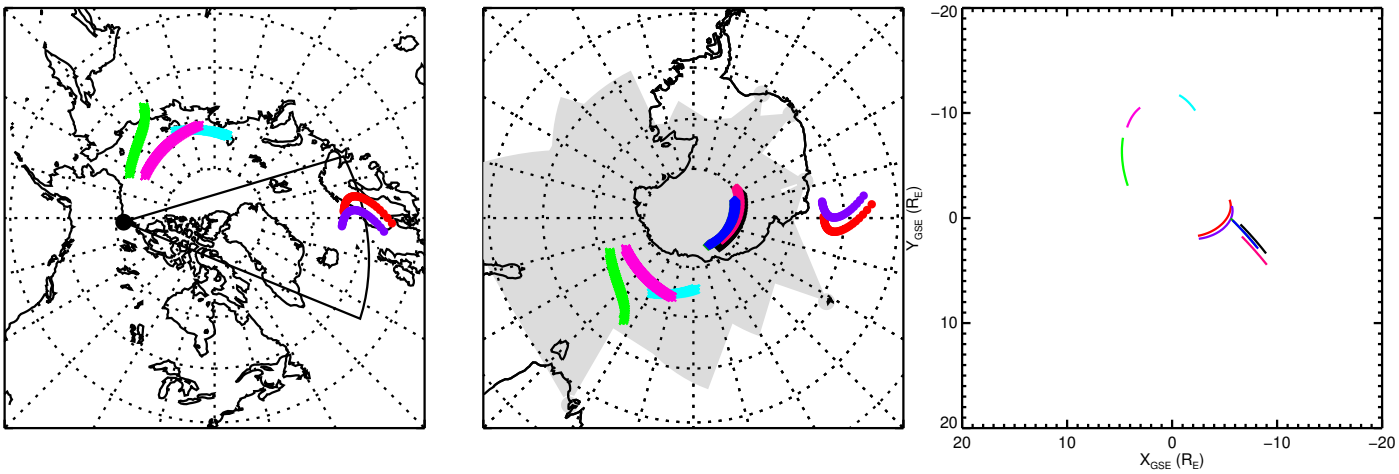


(c) 1130UT to 1810UT
adw cly cvw hok ksr

bpk tig unw



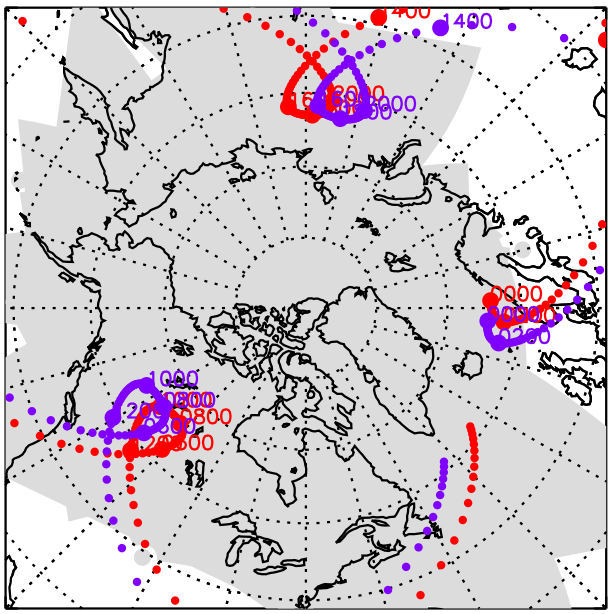
(d) 2025UT to 2355UT
inv

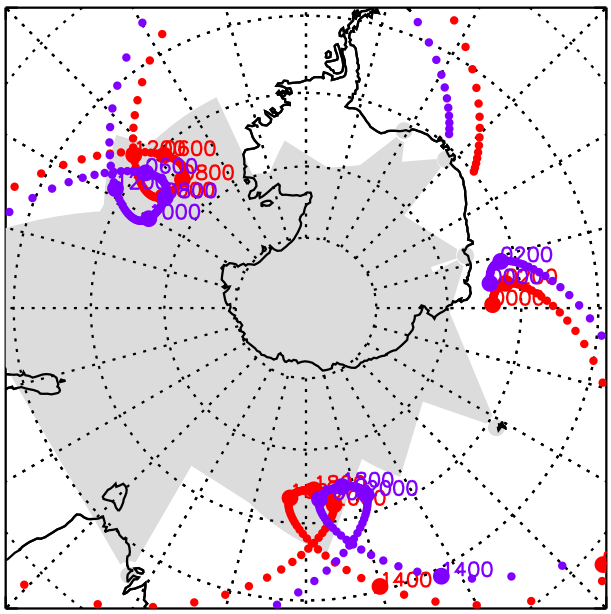


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

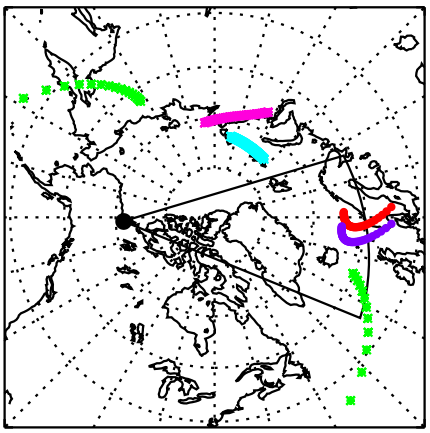
18–Oct–2016

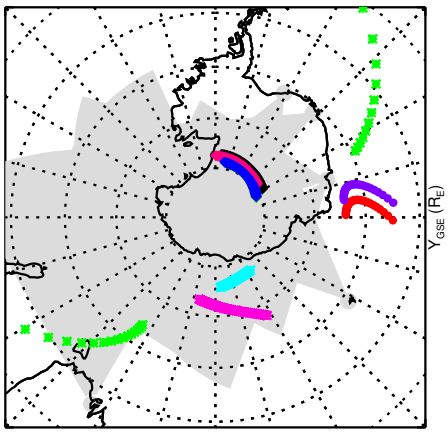
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

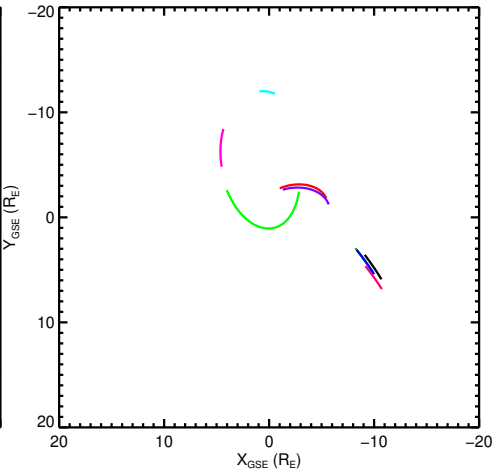




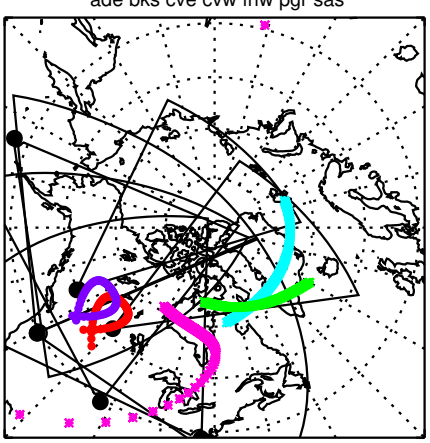
(a) 0000UT to 0315UT
inv



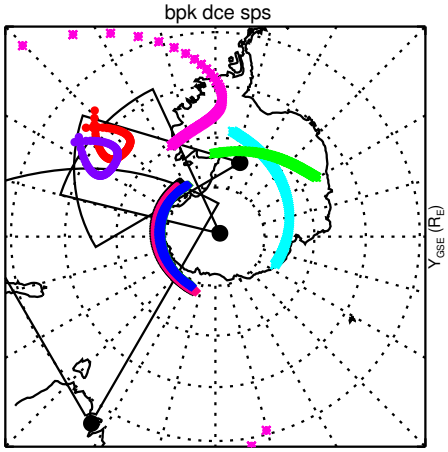


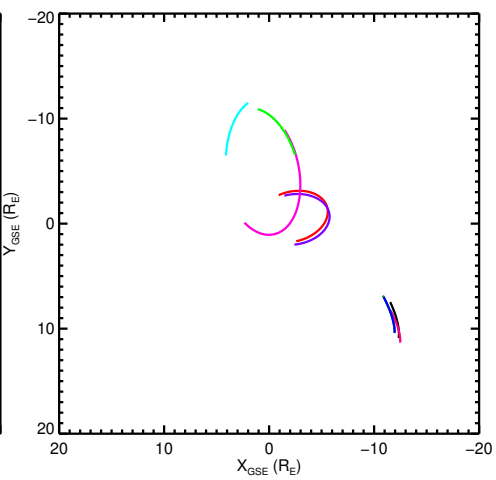


(b) 0525UT to 1215UT
ade bks cve cvw fhw pgr sas

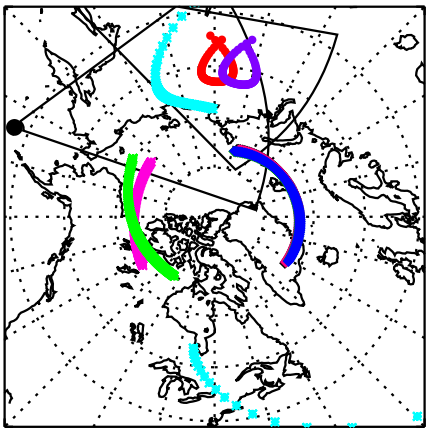


bpk dce sps

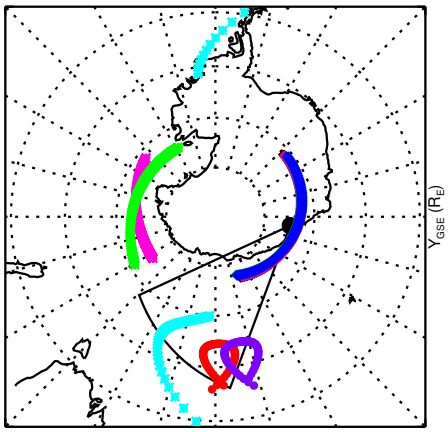


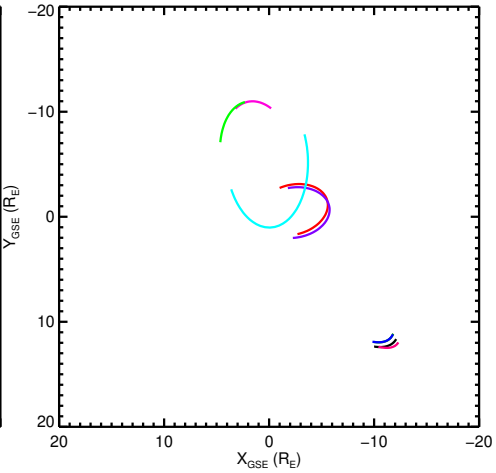


(c) 1425UT to 2110UT
adw hkw

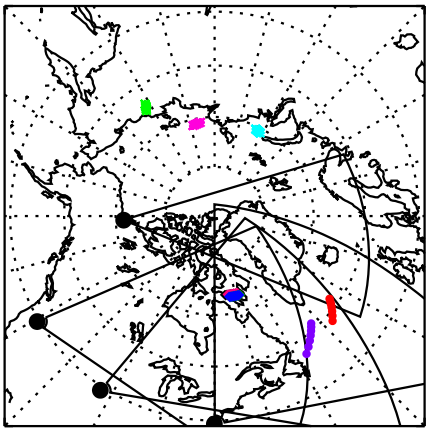


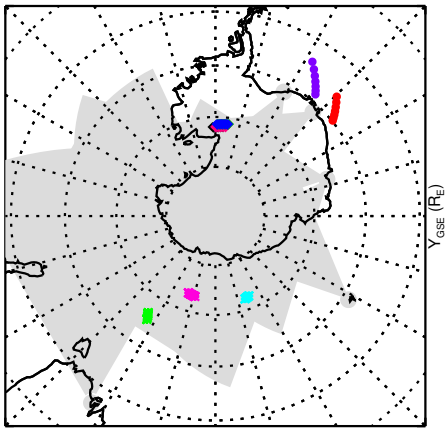
zho

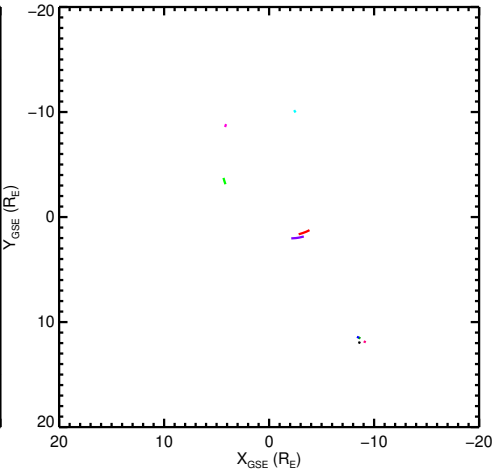




(d) 2325UT to 2355UT
cve fhe inv wal



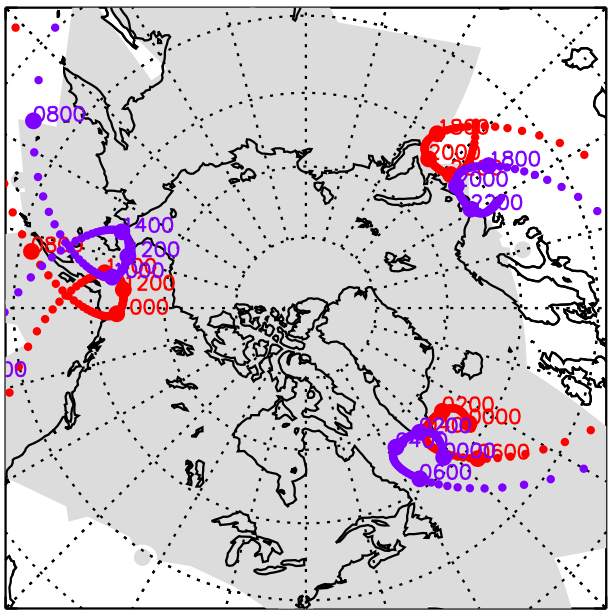


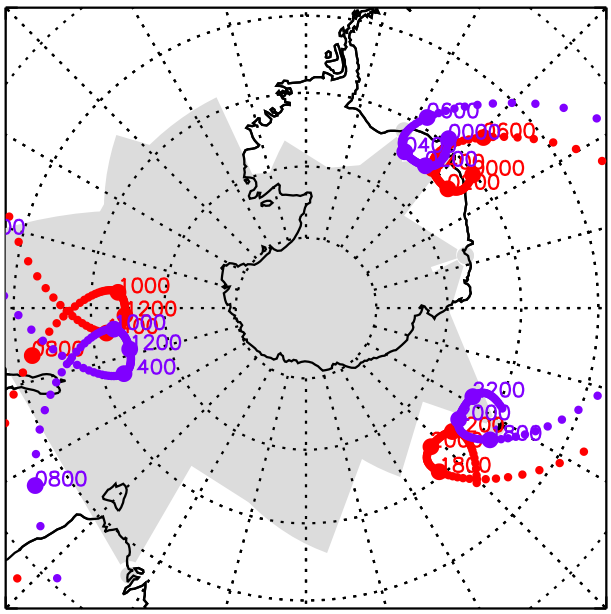


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

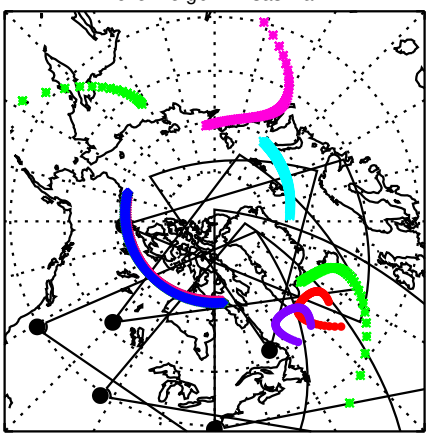
19–Oct–2016

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

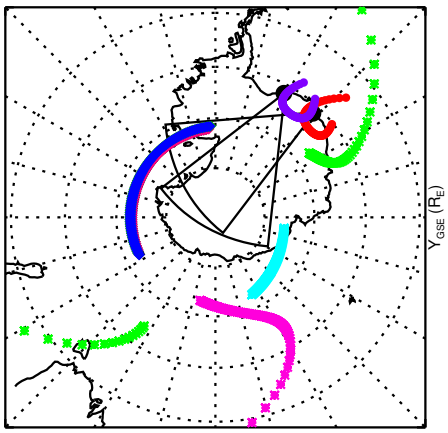


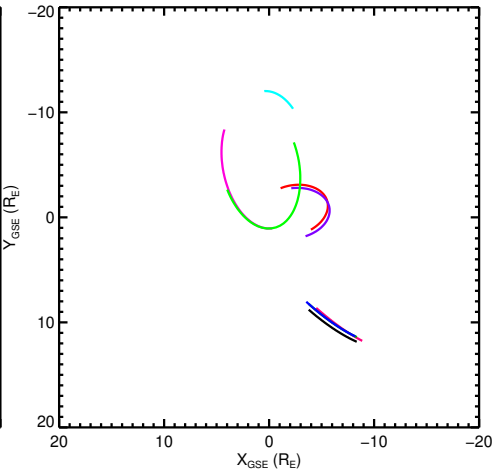


(a) 0000UT to 0605UT
cve fhe gbr inv sas wal

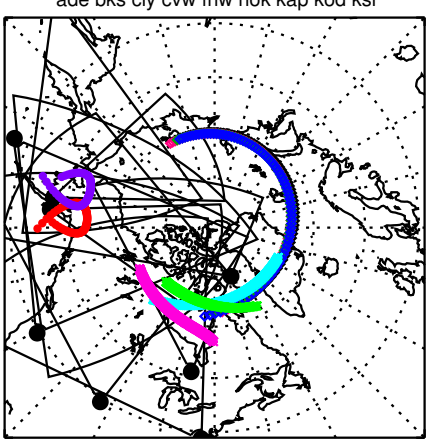


hal san

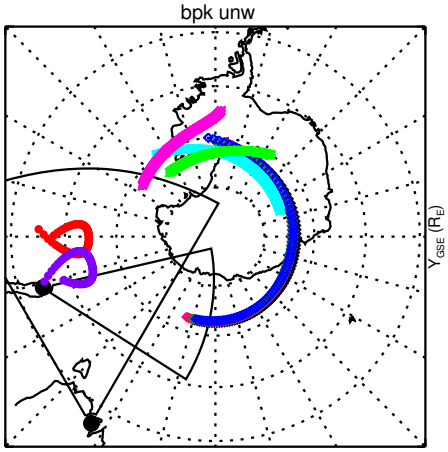


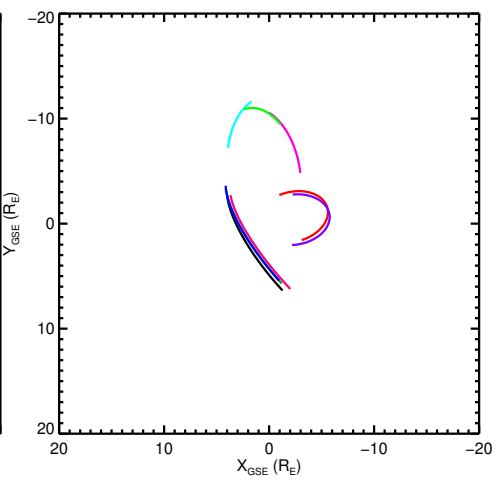


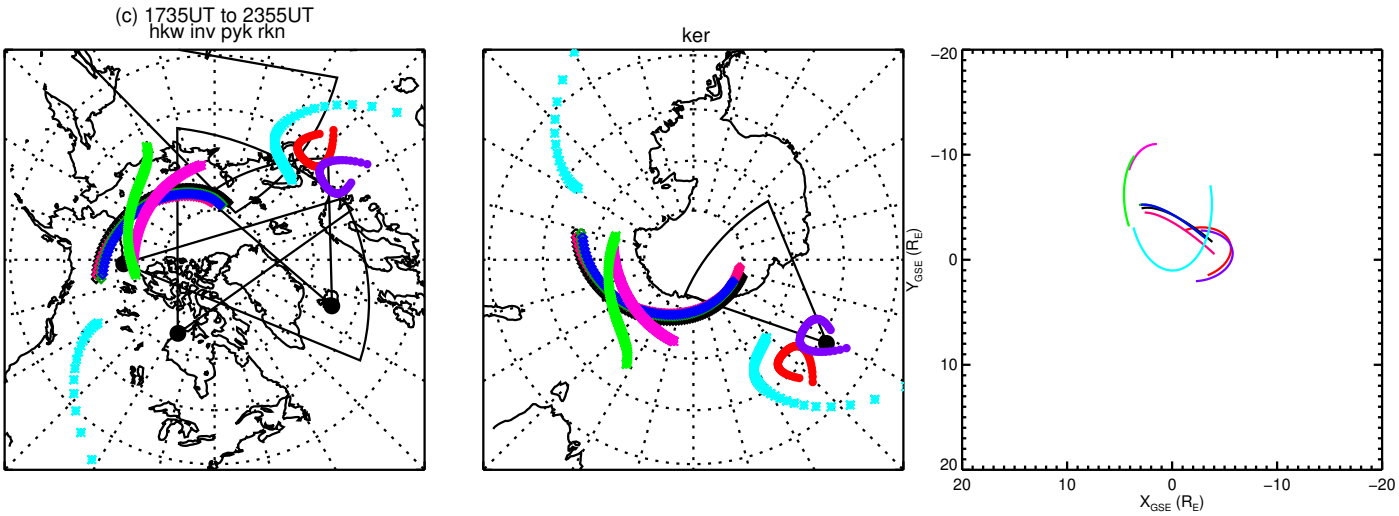
(b) 0830UT to 1505UT
ade bks cly cvw fhw hok kap kod ksr



bpk unw



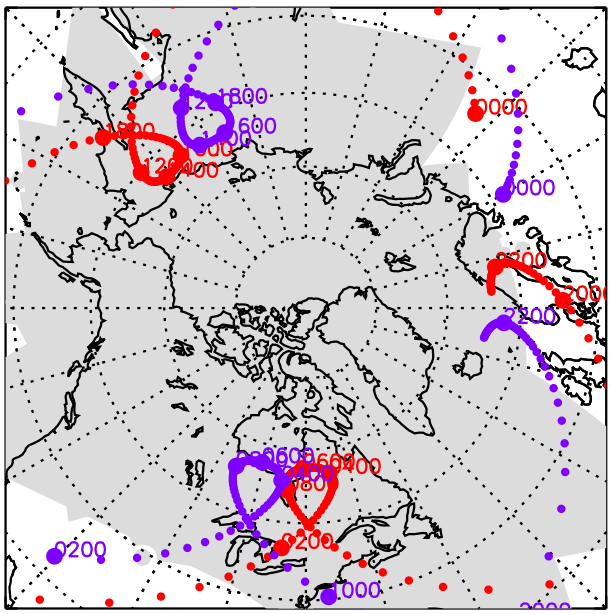


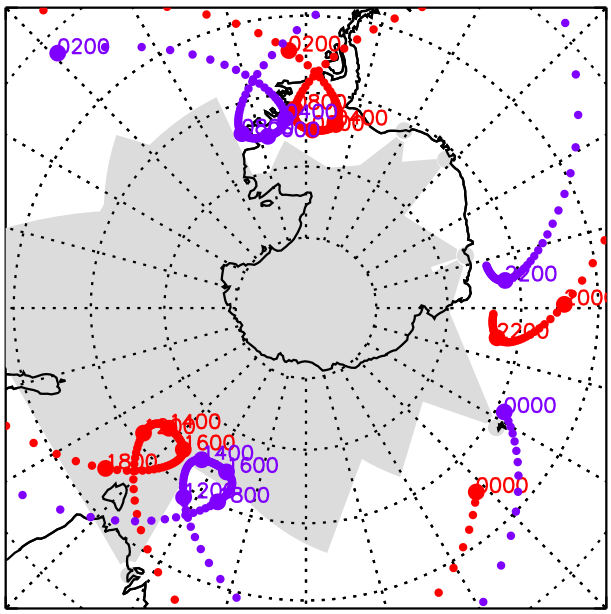

(c) 1735UT to 2355UT
hkw inv pyk rkn
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

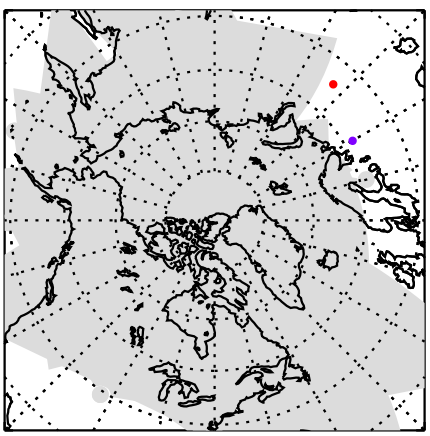
20–Oct–2016

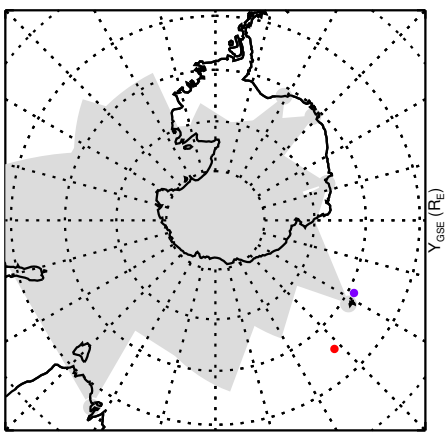
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

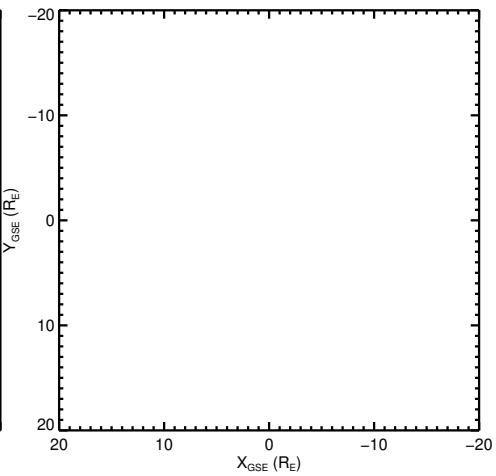




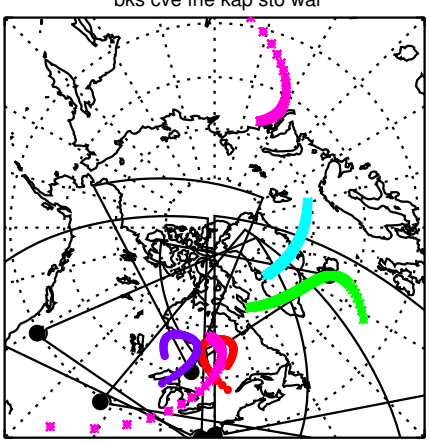
(a) 0000UT to 0000UT

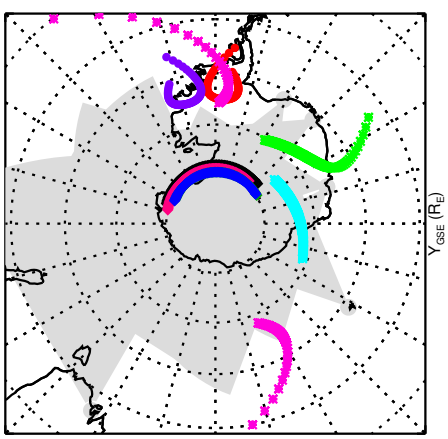


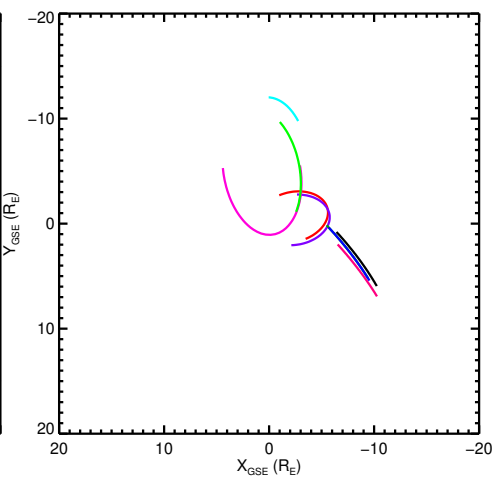




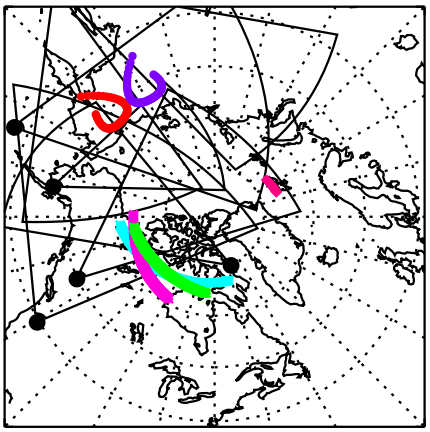
(b) 0235UT to 0900UT
bks cve fhe kap sto wal



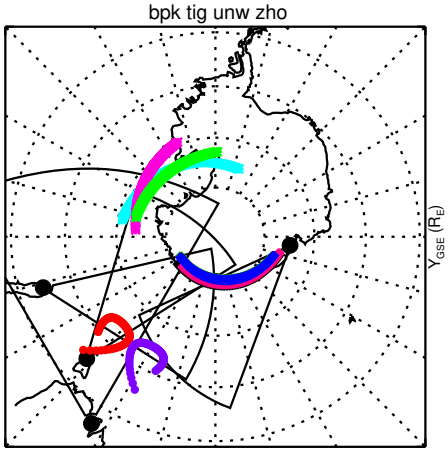


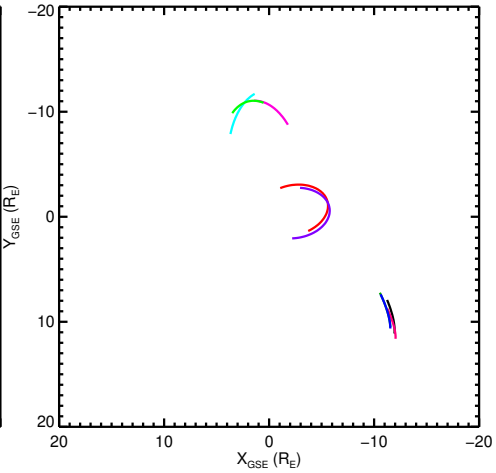


(c) 1140UT to 1755UT
adw cly cvw hkw hok ksr pgr

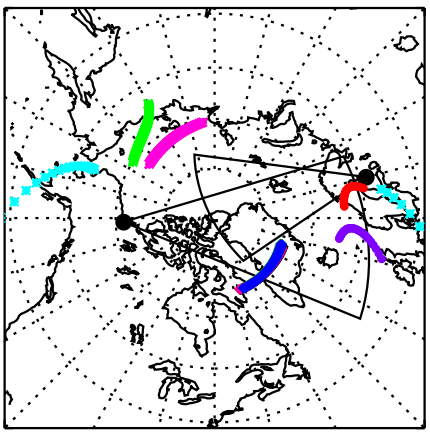


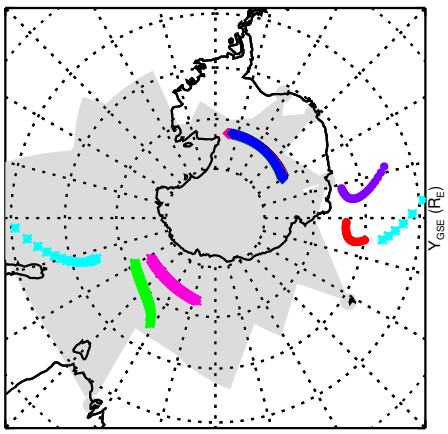
bpk tig unw zho

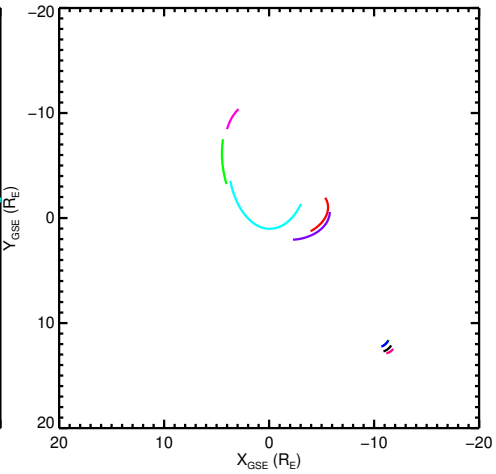




(d) 2045UT to 2355UT
han inv



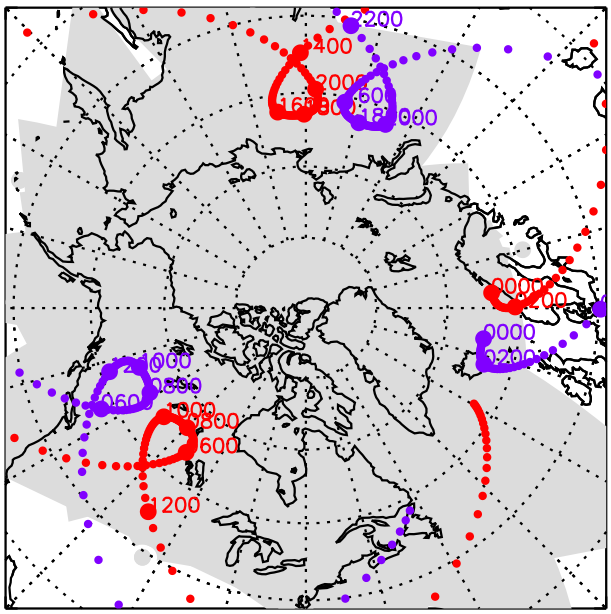


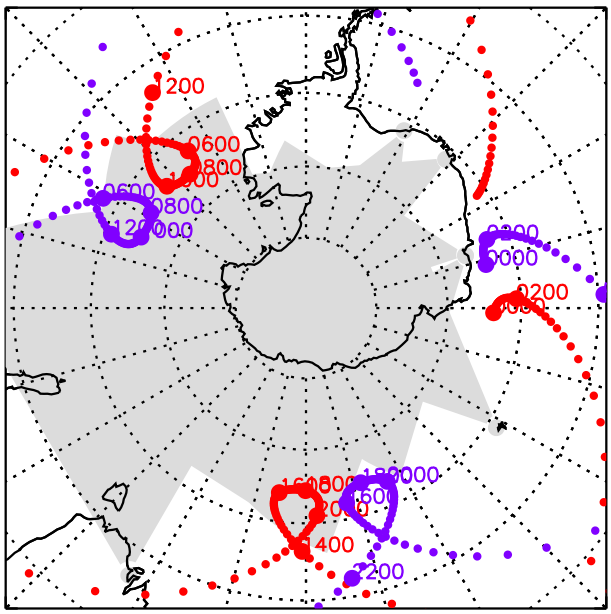


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

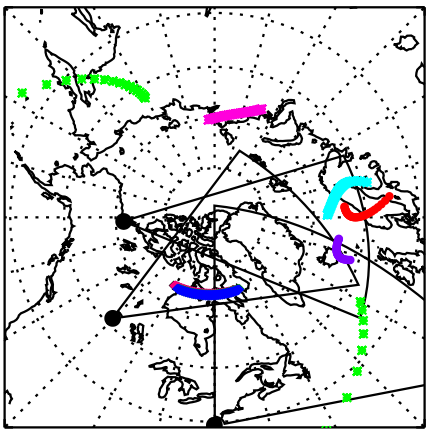
21−Oct−2016

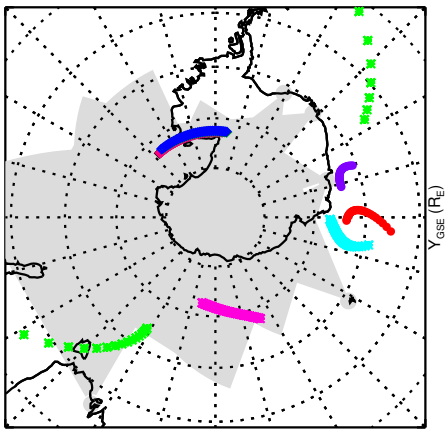
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

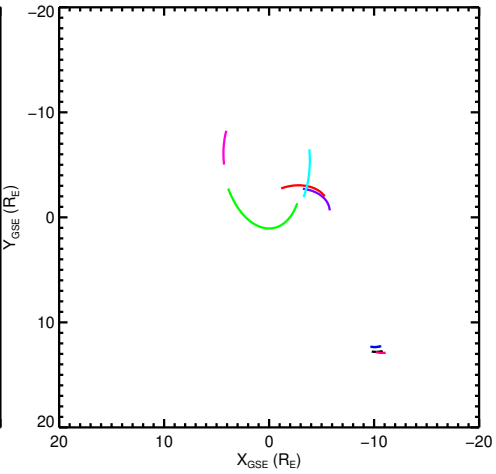




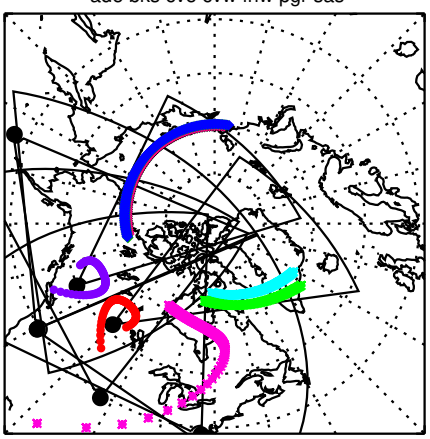
(a) 0000UT to 0250UT
inv sas wal



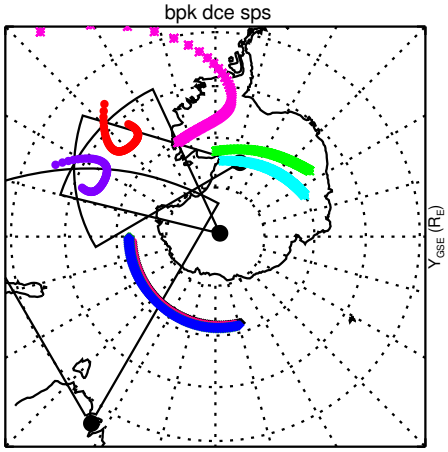


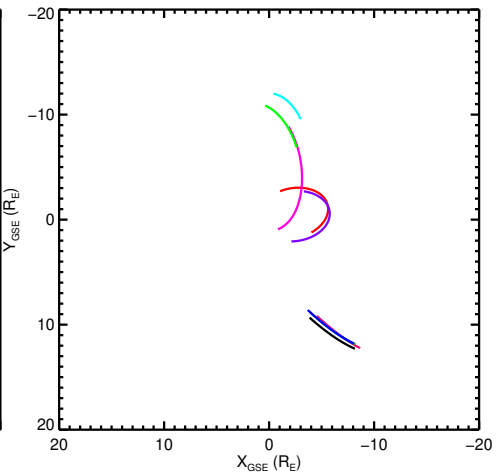


(b) 0545UT to 1150UT
ade bks cve cvw fhw pgr sas

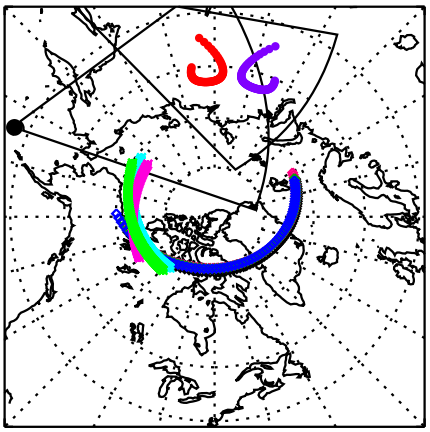


bpk dce sps

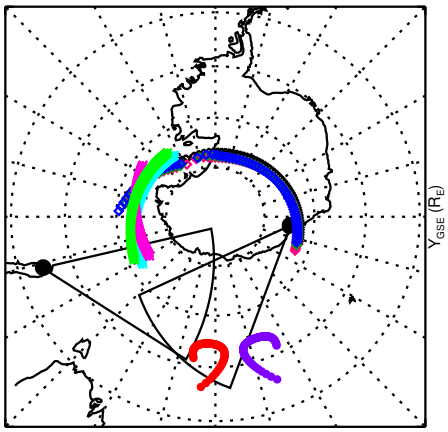


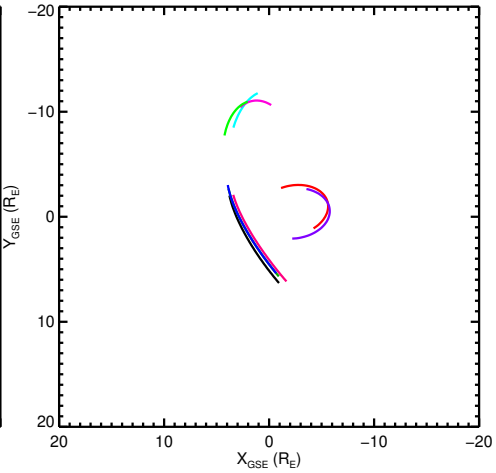


(c) 1450UT to 2045UT
adw hkw

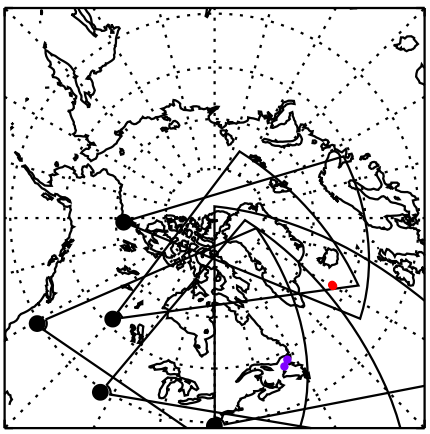


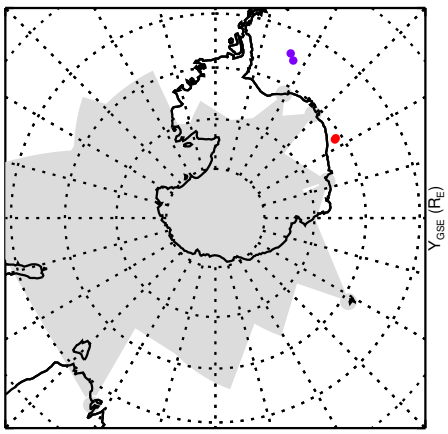
unw zho

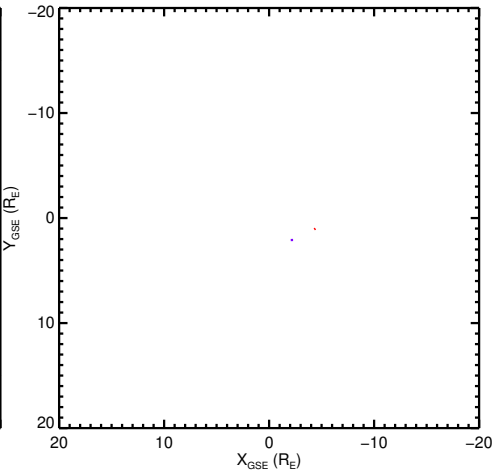




(d) 2350UT to 2355UT
cve fhe inv sas wal



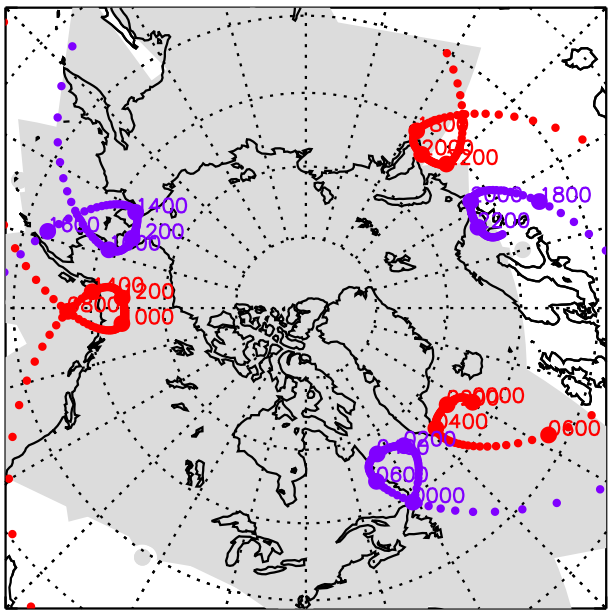


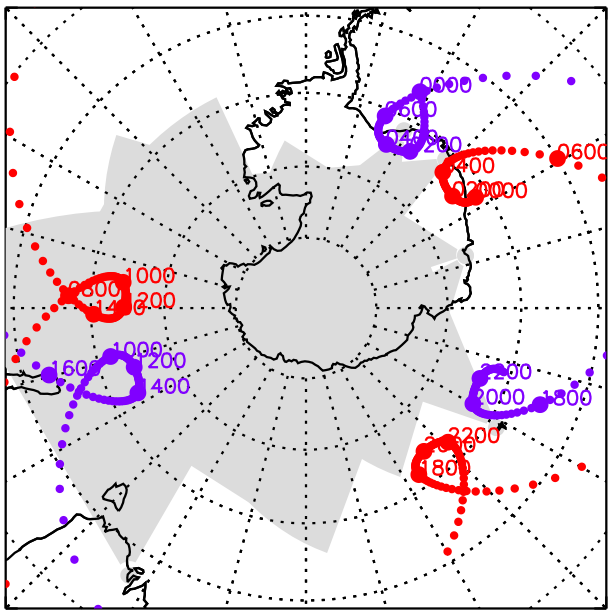


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

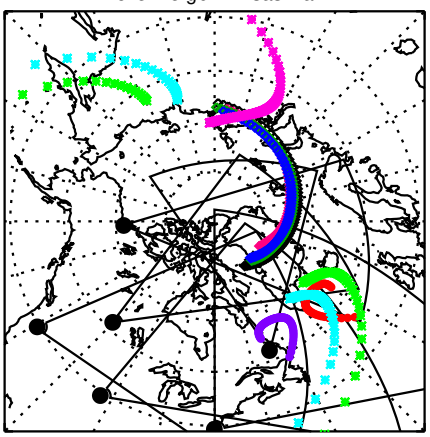
22−Oct−2016

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

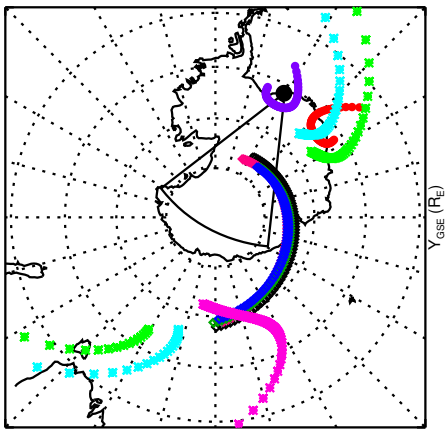


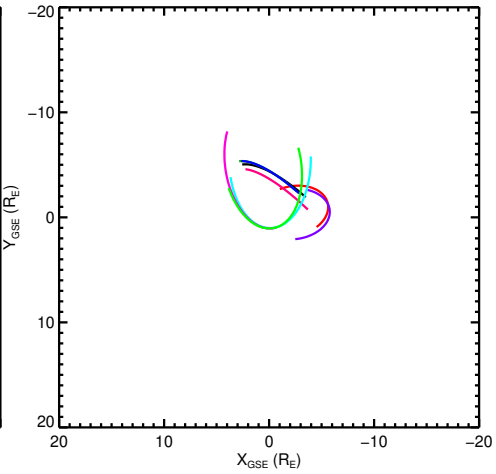


(a) 0000UT to 0545UT
cve fhe gbr inv sas wal

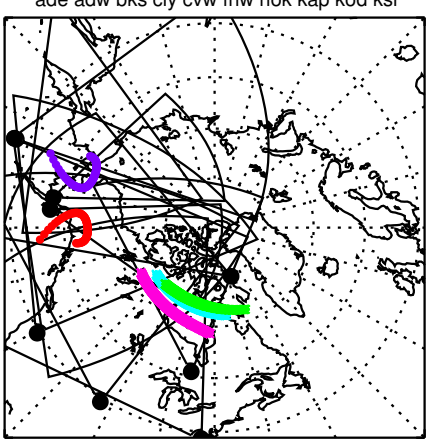


hal

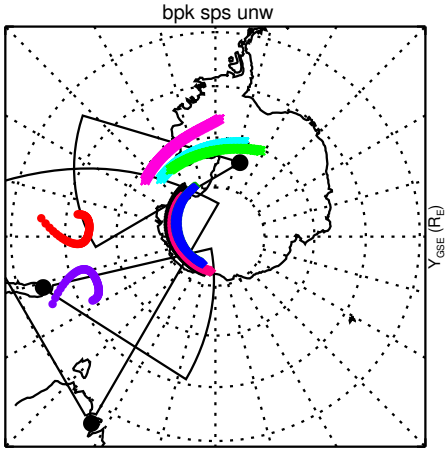


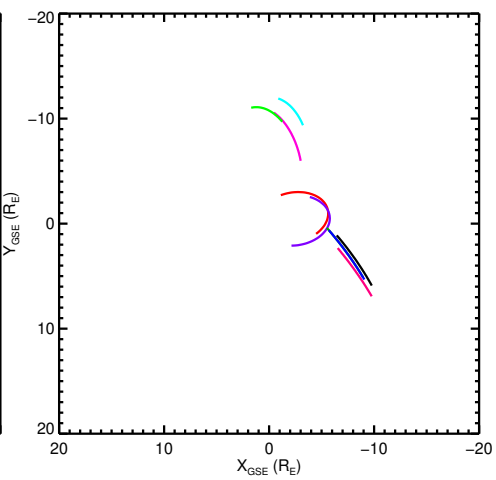


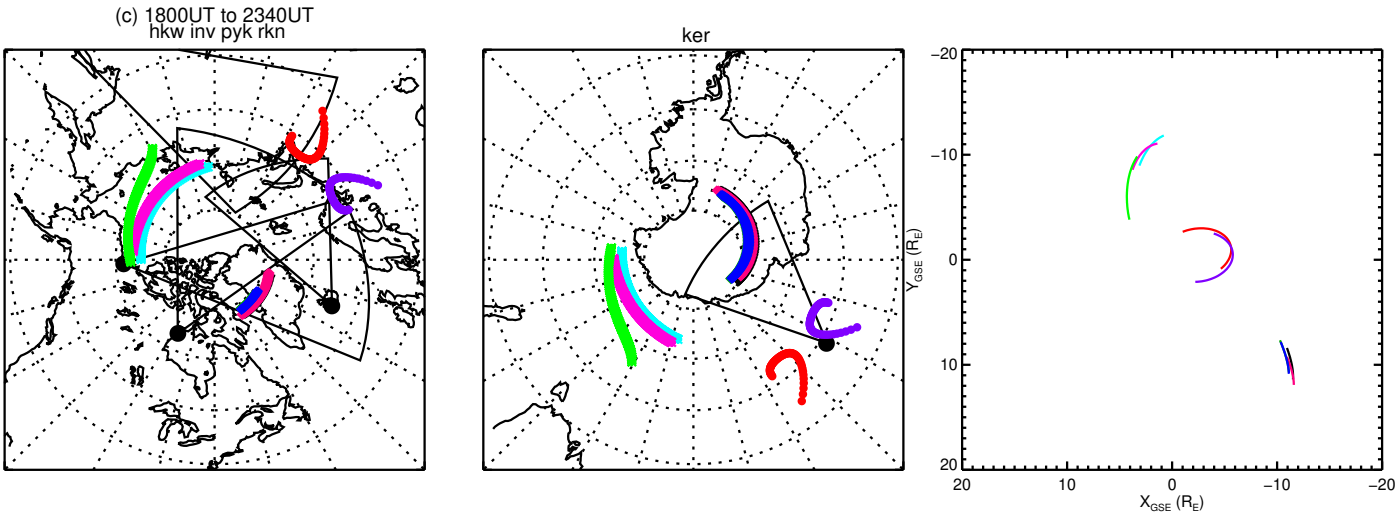
(b) 0855UT to 1440UT
ade adw bks cly cvw fhw hok kap kod ksr



bpk sps unw



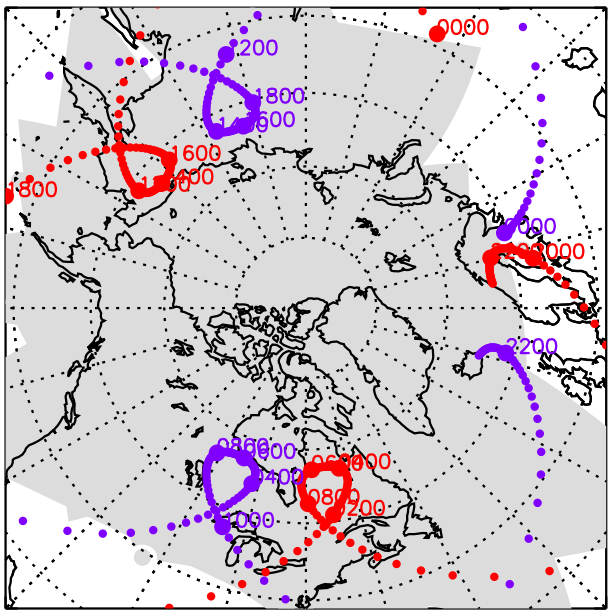


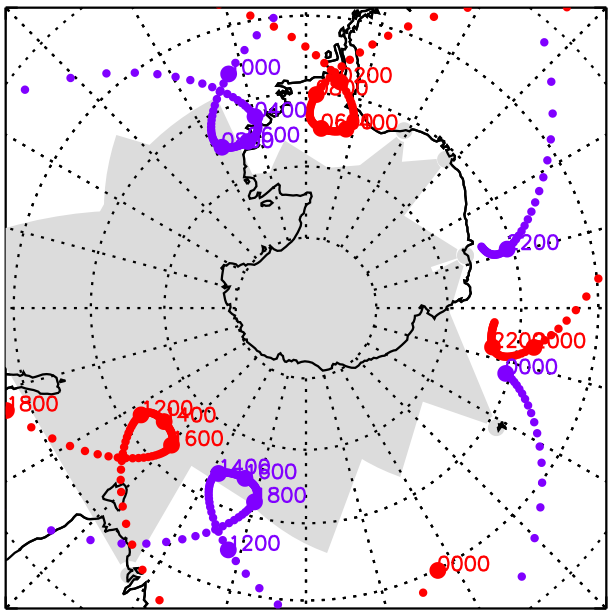

(c) 1800UT to 2340UT
hkw inv pyk rkn
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

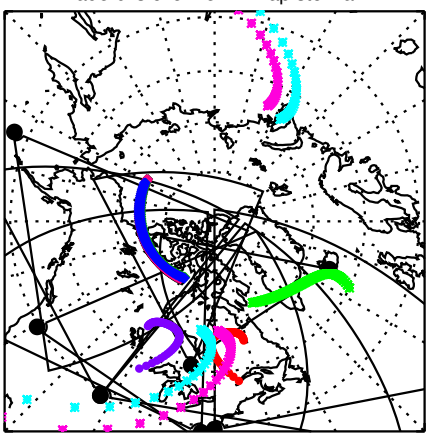
23–Oct–2016

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

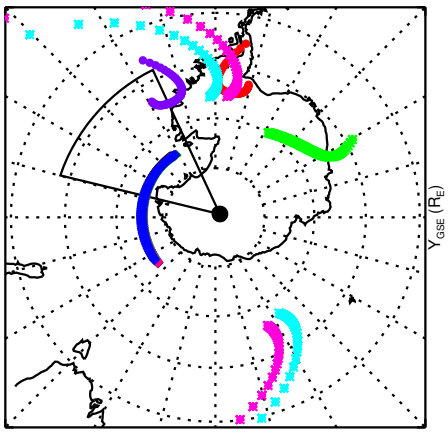


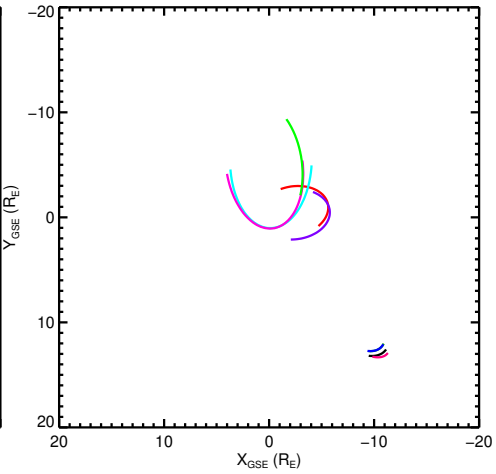


(a) 0300UT to 0835UT
ade bks cve fhe fhw kap sto wal

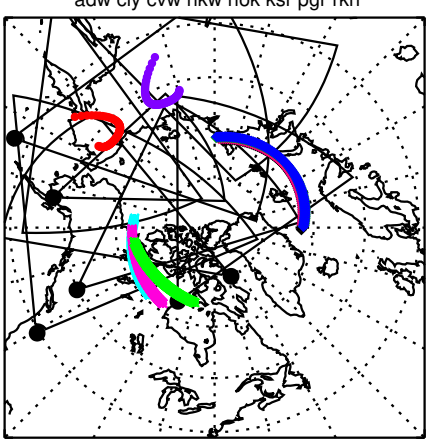


dce

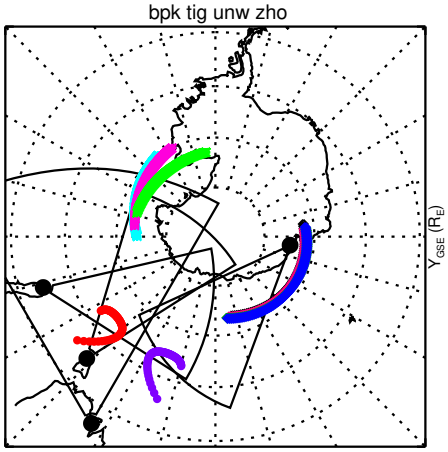


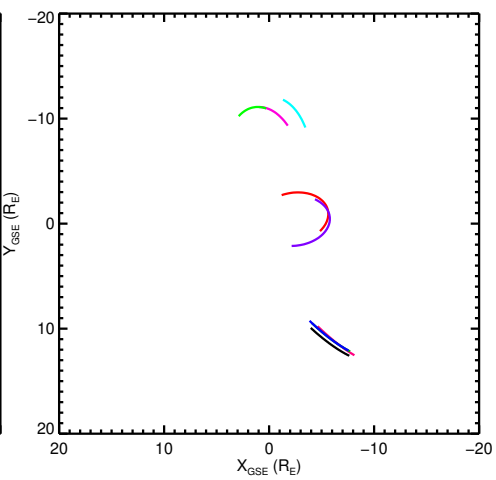


(b) 1205UT to 1730UT
adw cly cvw hkw hok ksr pgr rkn

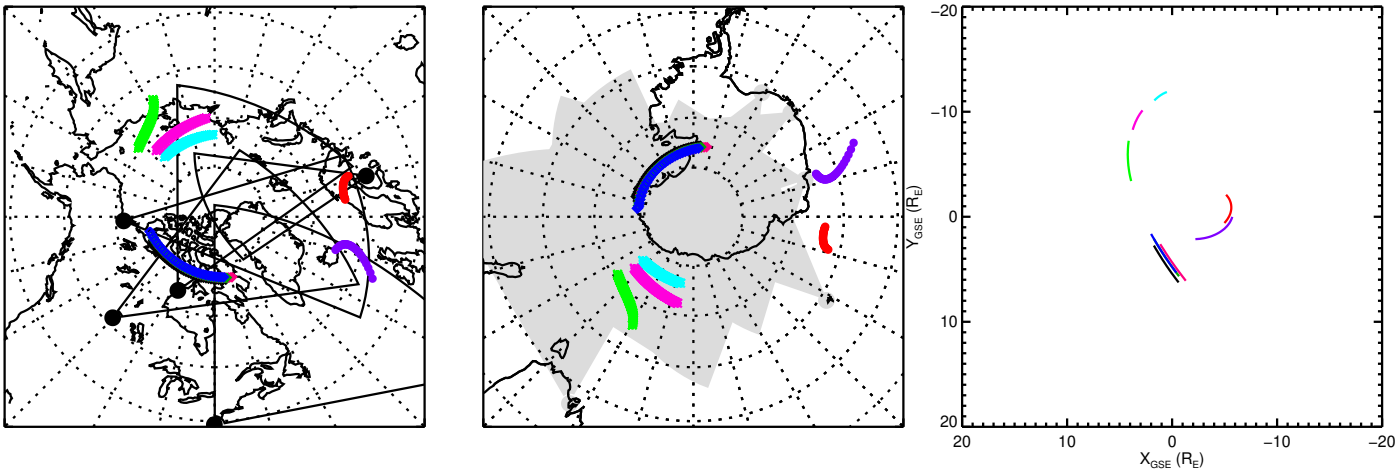


bpk tig unw zho





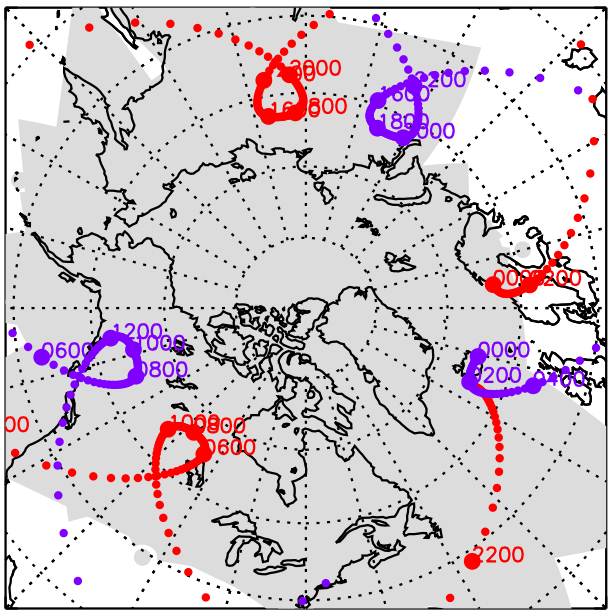
(c) 2110UT to 2355UT
han inv rkn sas wal

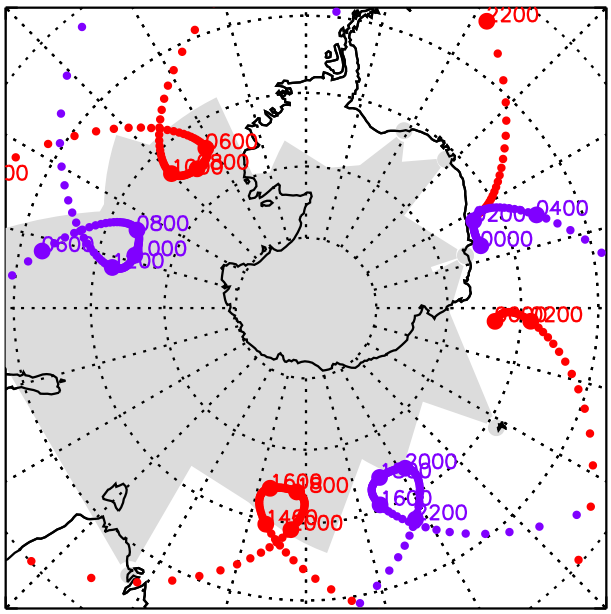


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

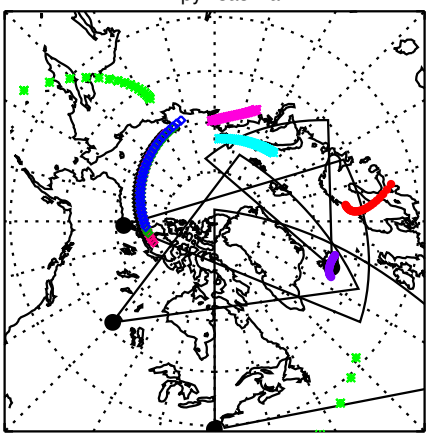
24−Oct−2016

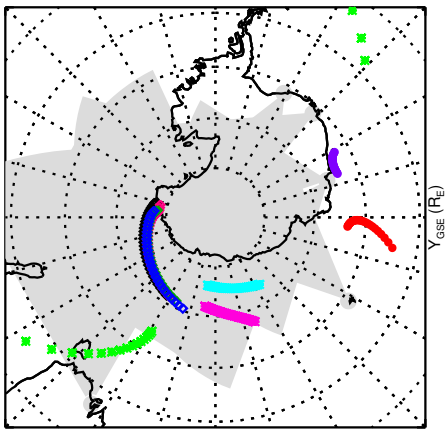
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

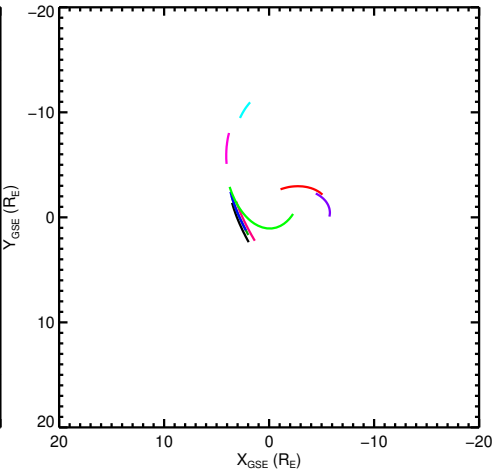




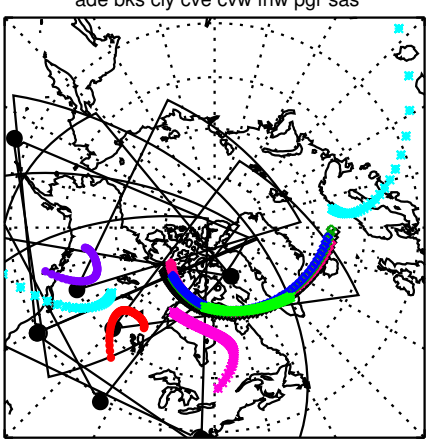
(a) 0000UT to 0230UT
inv pyk sas wal



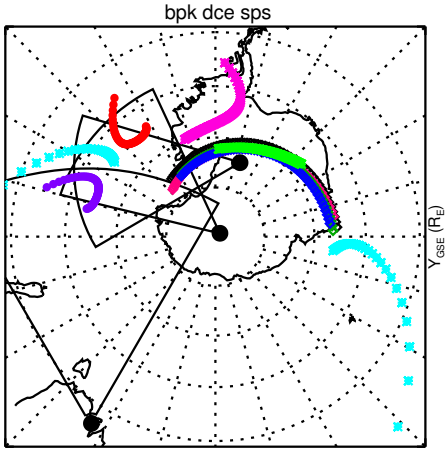


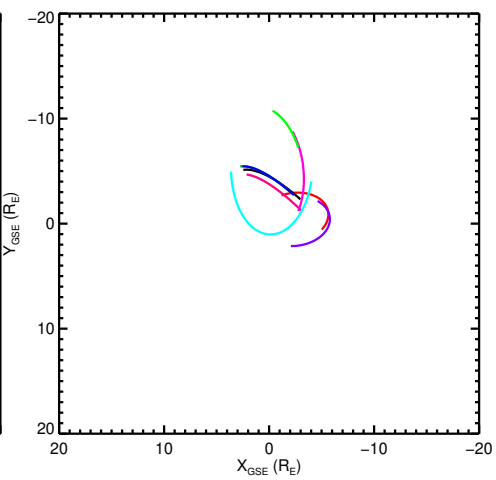


(b) 0610UT to 1125UT
ade bks cly cve cvw fhw pgr sas

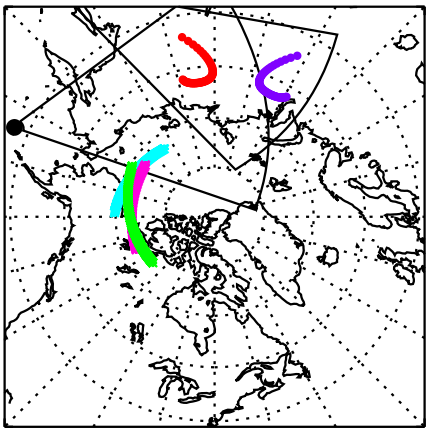


bpk dce sps

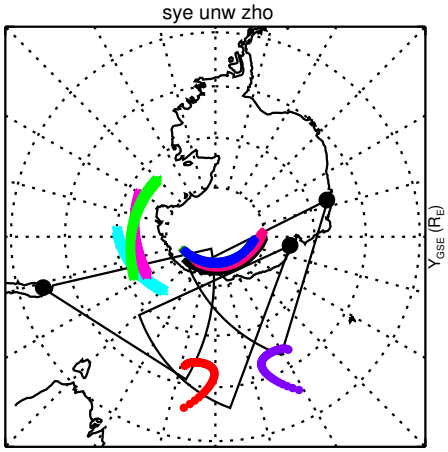


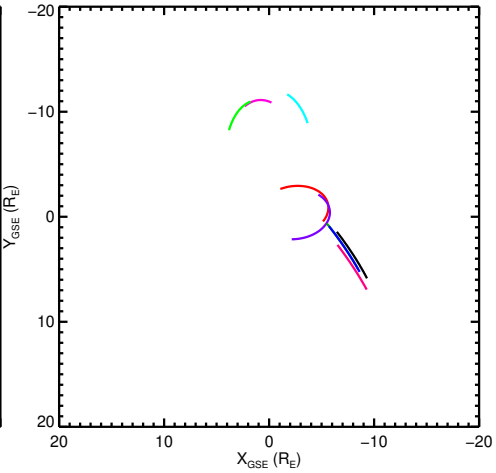


(c) 1515UT to 2025UT
adw hkw



sye unw zho

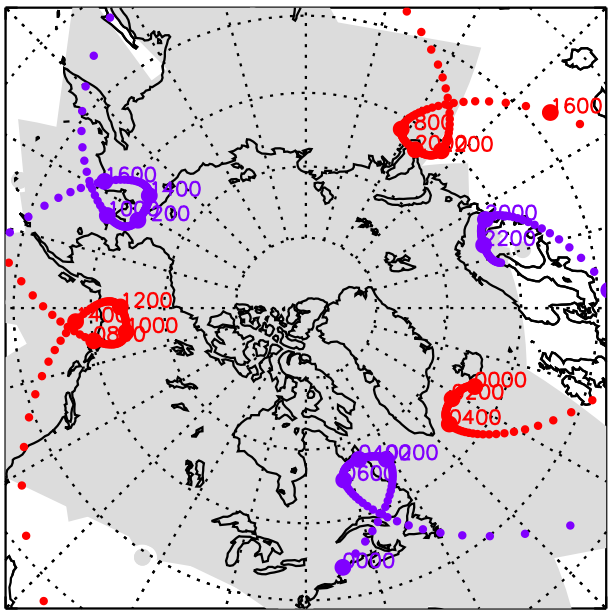


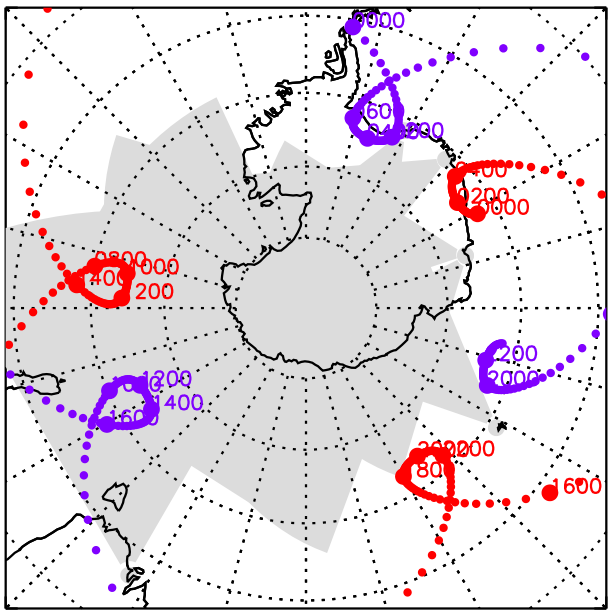


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

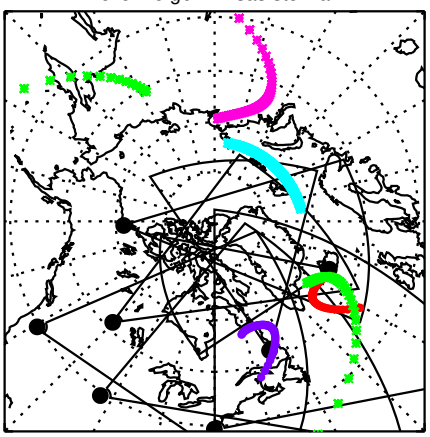
25–Oct–2016

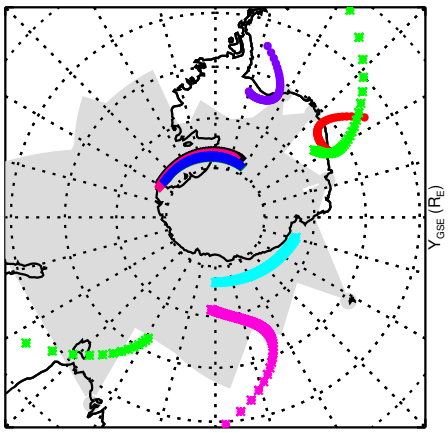
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

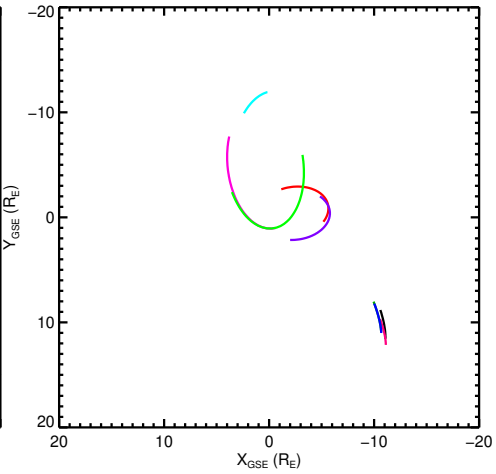




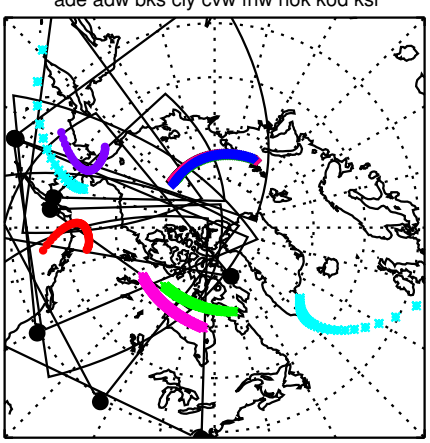
(a) 0015UT to 0520UT
cve fhe gbr inv sas sto wal



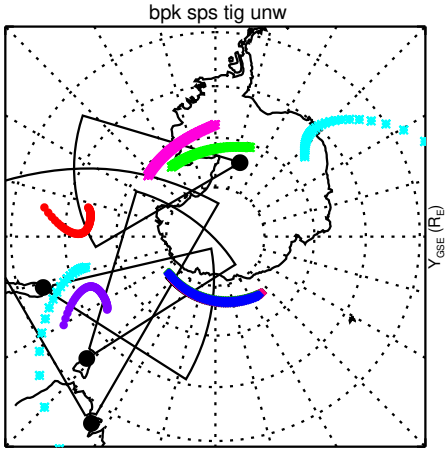


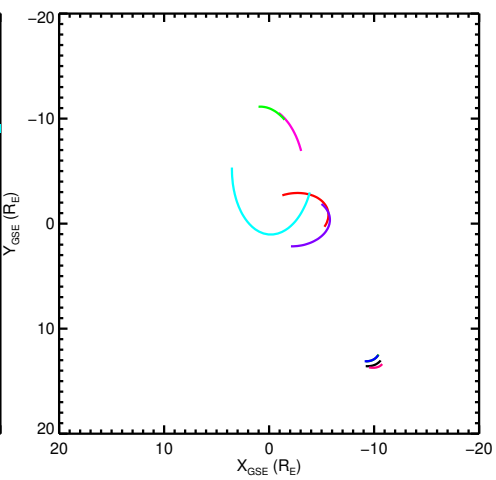


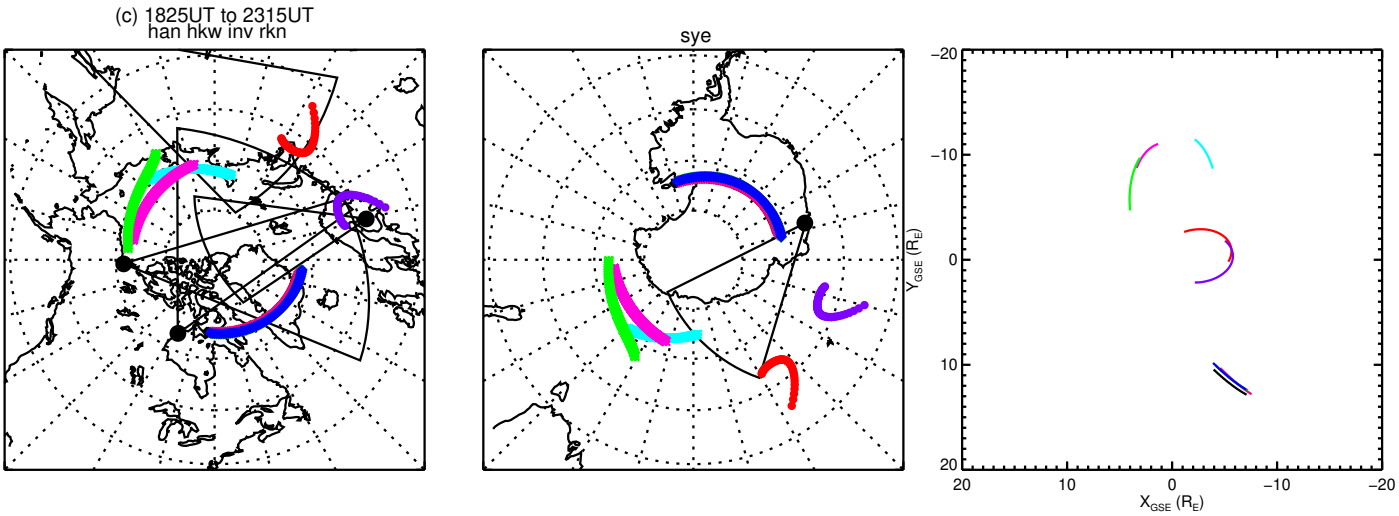
(b) 0920UT to 1415UT
ade adw bks cly cvw fhw hok kod ksr



bpk sps tig unw



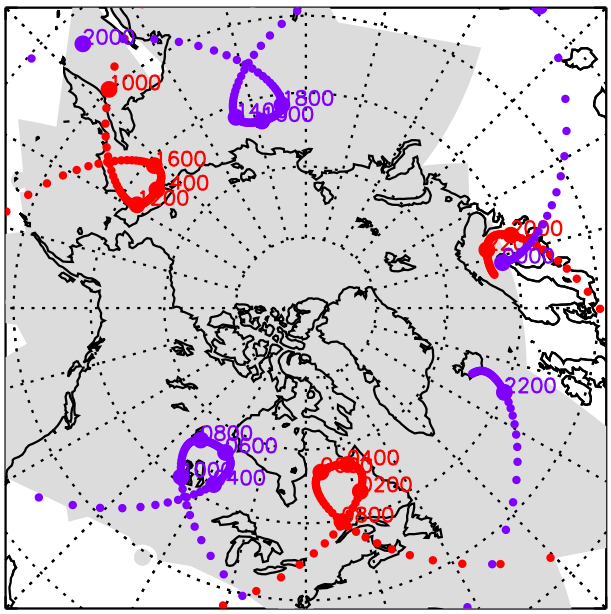


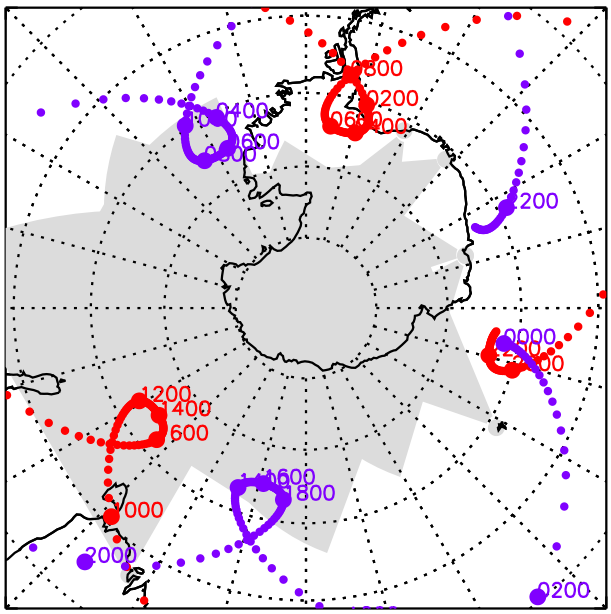

(c) 1825UT to 2315UT
han hkw inv rkn
sye
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

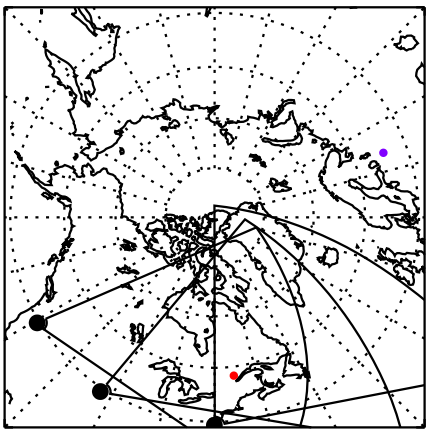
26–Oct–2016

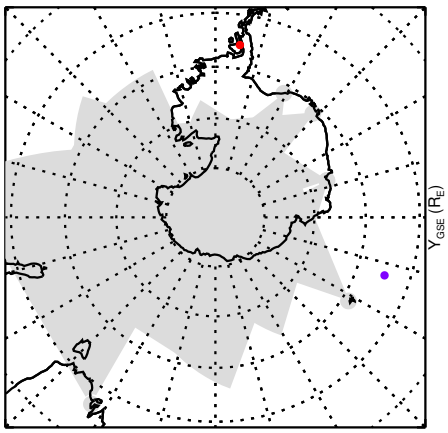
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

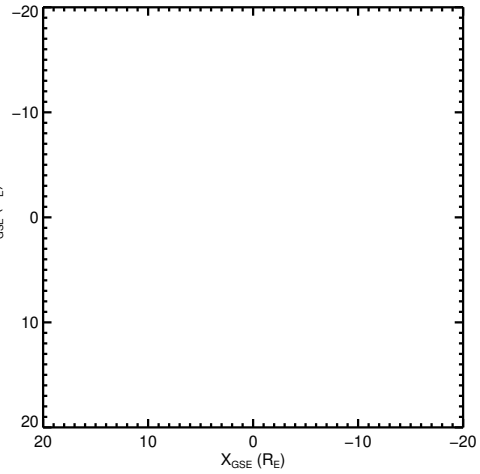




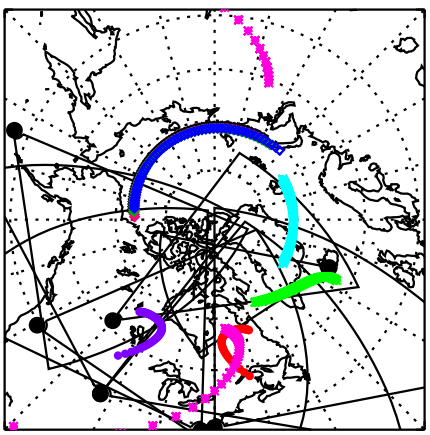
(a) 0120UT to 0120UT
cve fhe wal



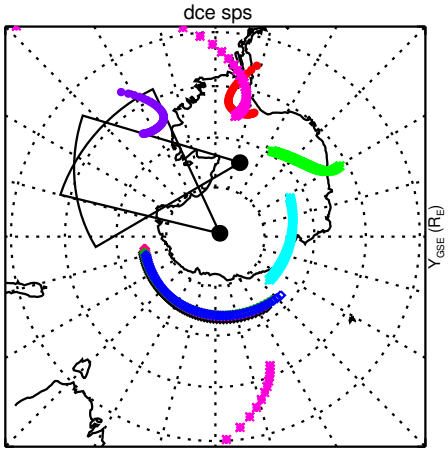


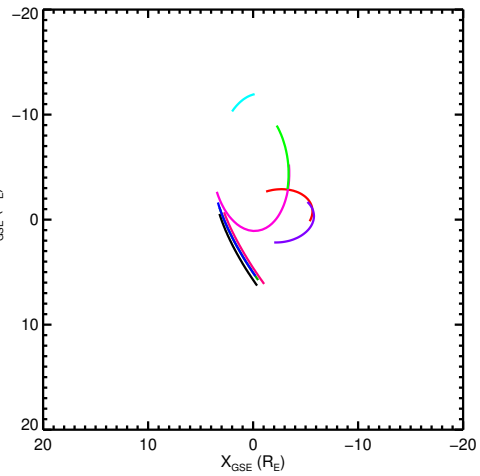


(b) 0325UT to 0810UT
ade bks cve fhe fhw sas sto wal

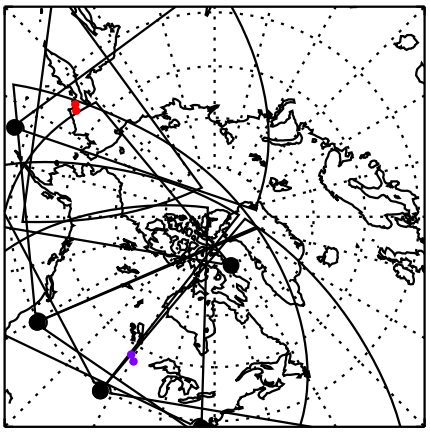


dce sps

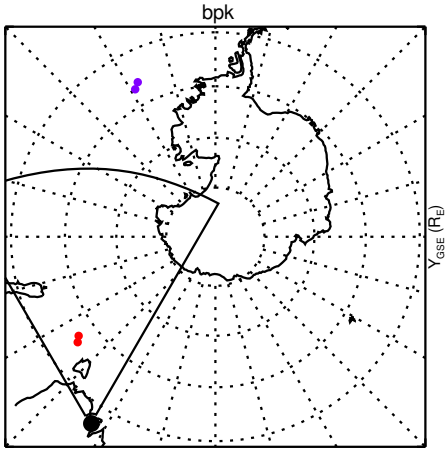


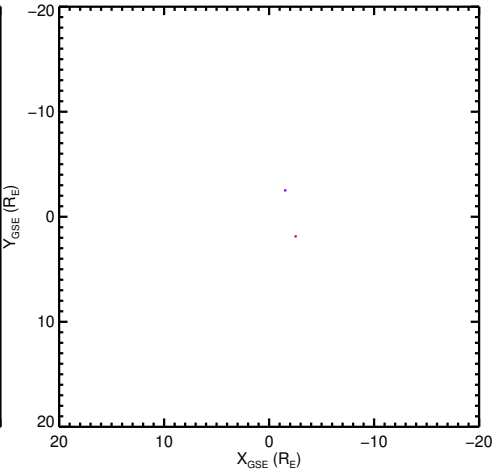


(c) 1020UT to 1025UT
adw bks cly cve cvw fhe fhw hok

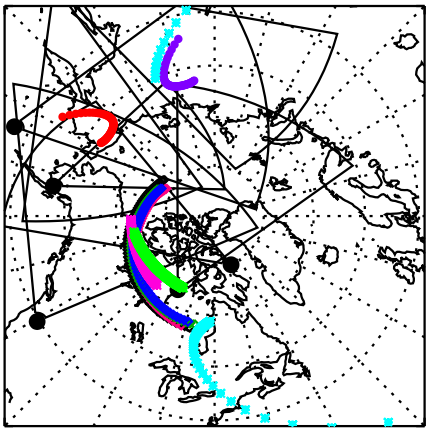


bpk

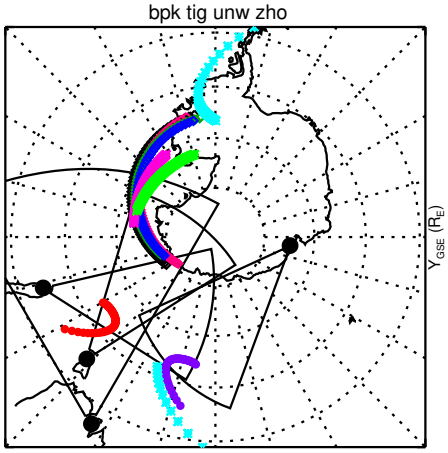


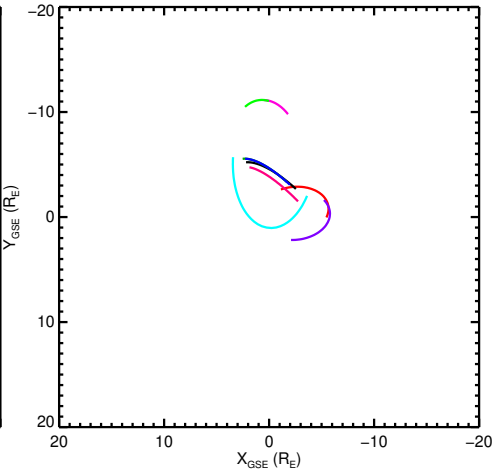


(d) 1230UT to 1710UT
adw cly cvw hkw hok ksr rkn

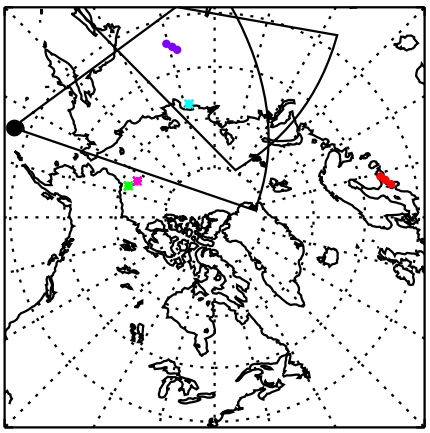


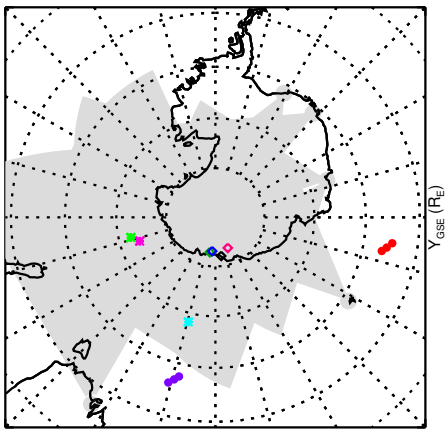
bpk tig unw zho

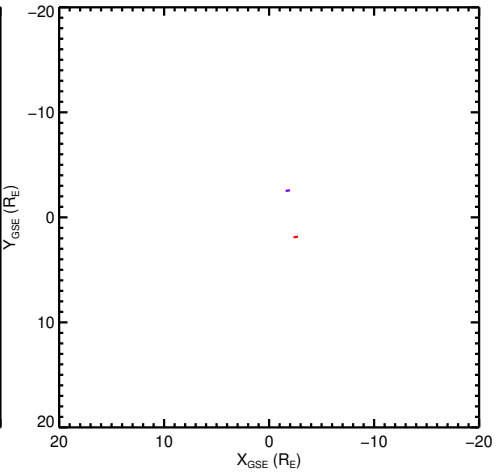




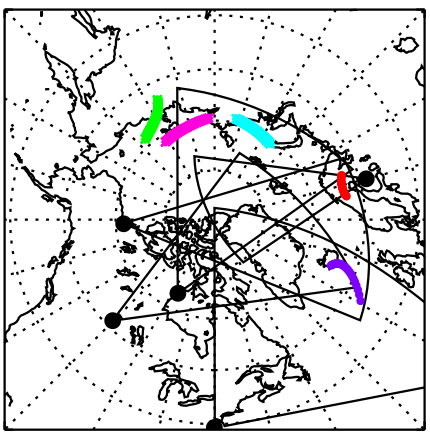
(e) 1915UT to 1925UT
adw hkw

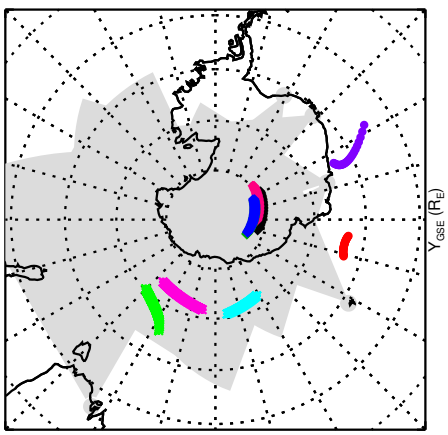


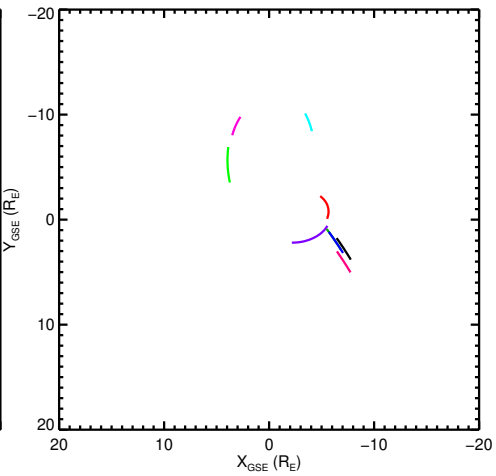




(f) 2135UT to 2355UT
han inv rkn sas wal



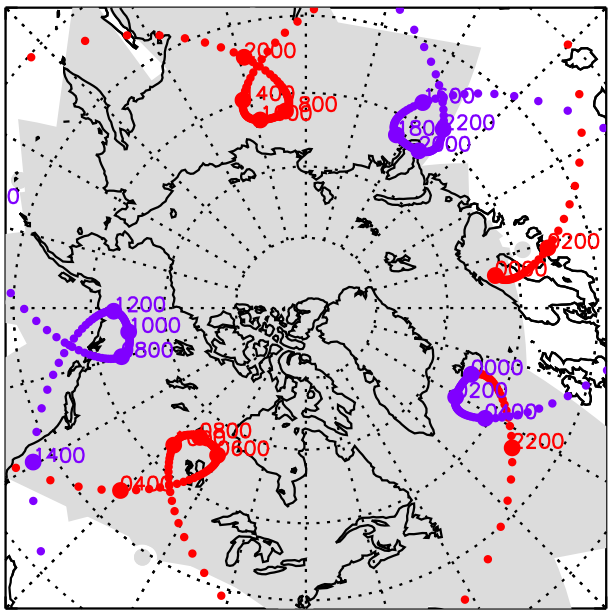


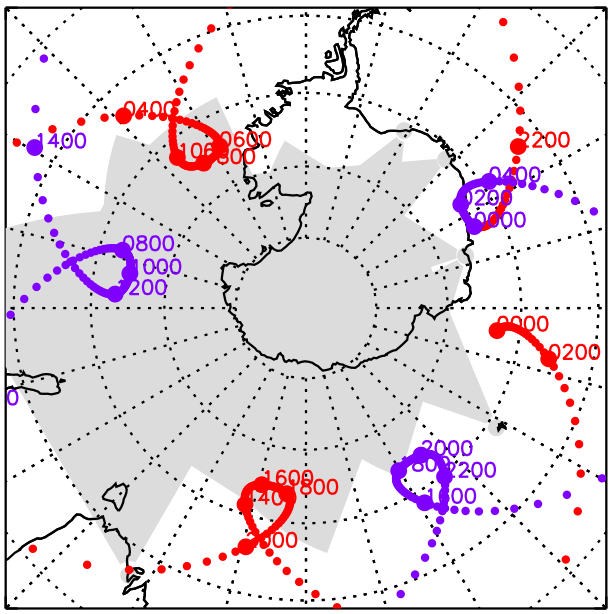


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

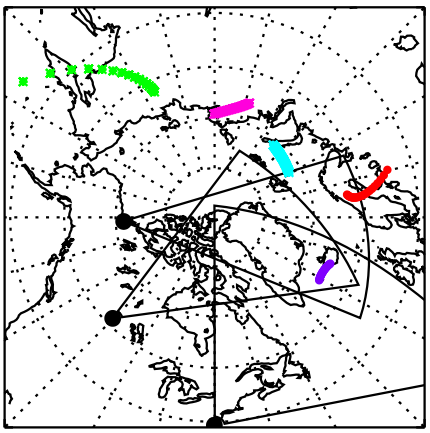
27−Oct−2016

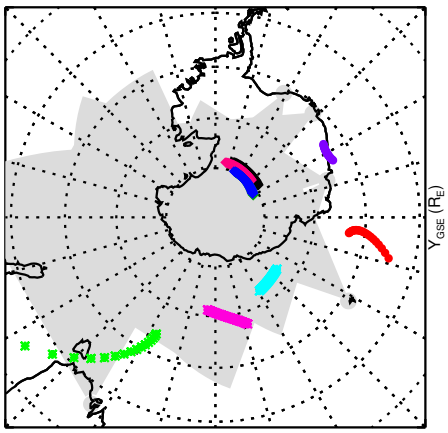
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

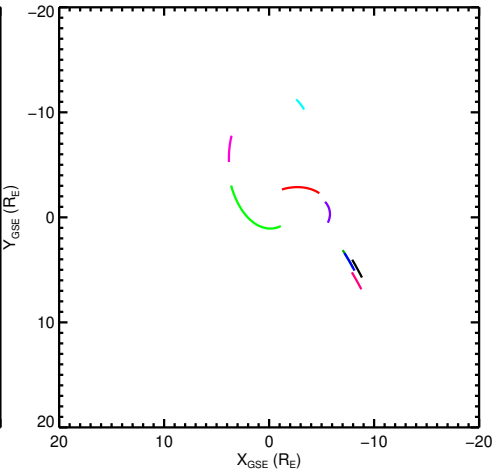




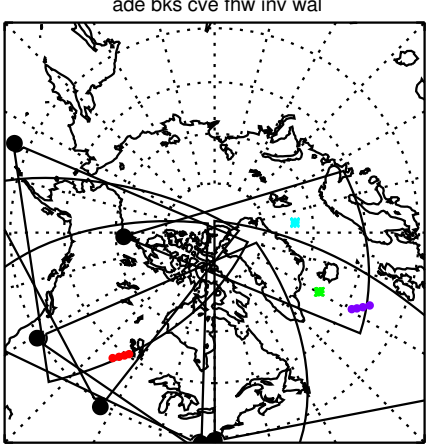
(a) 0000UT to 0205UT
inv sas wal



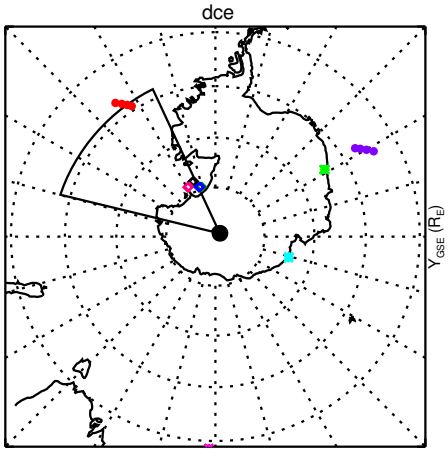


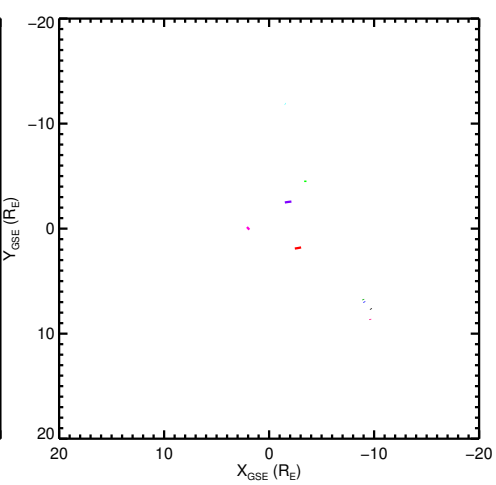


(b) 0415UT to 0430UT
ade bks cve fhw inv wal

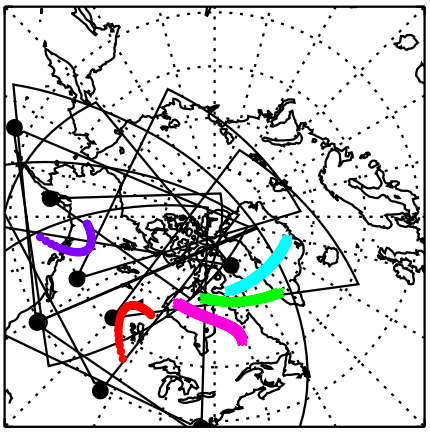


dce

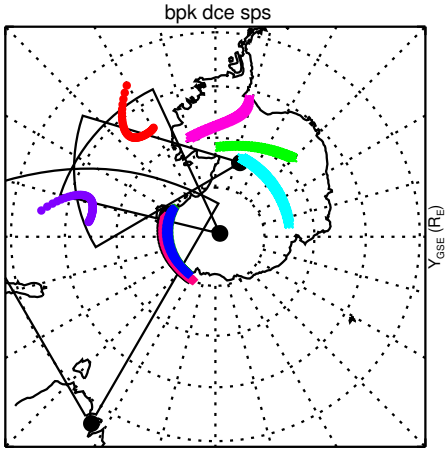


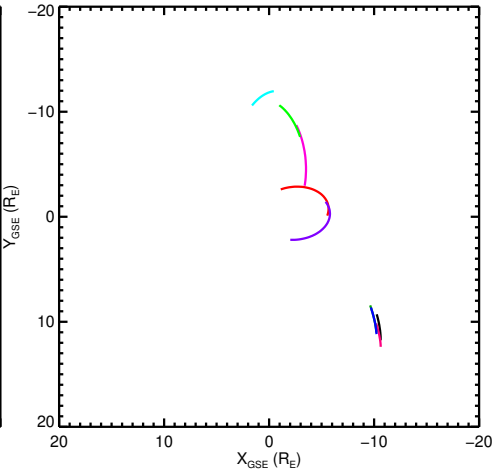


(c) 0635UT to 1105UT
ade bks cly cve cvw fhw kod pgr sas

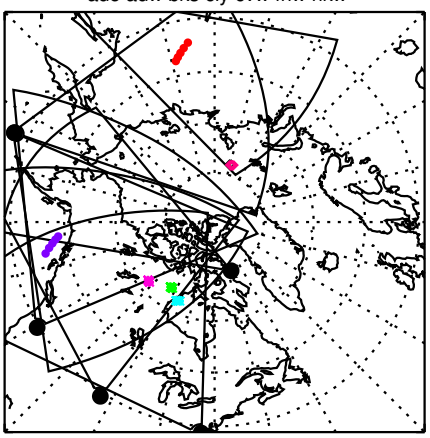


bpk dce sps

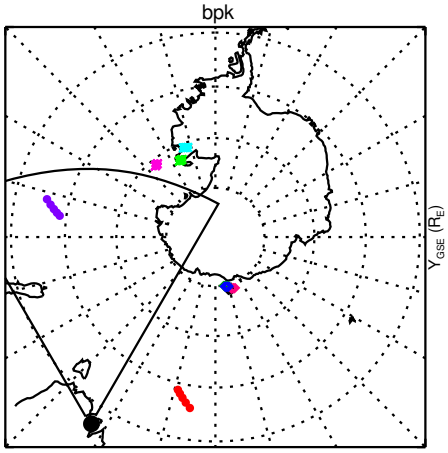


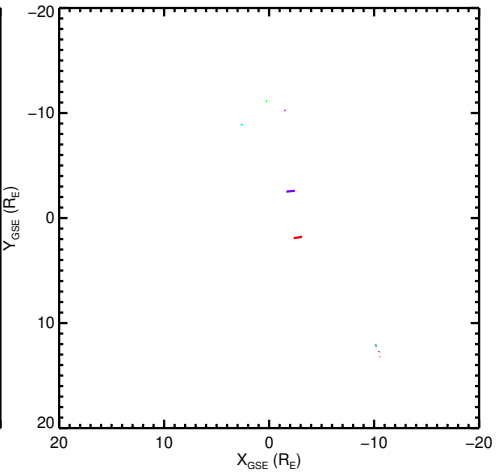


(d) 1310UT to 1330UT
ade adw bks cly cvw fhw hkw

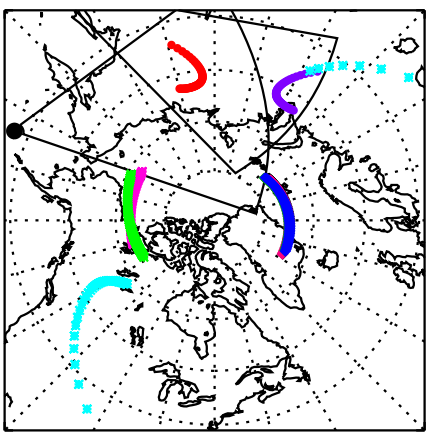


bpk

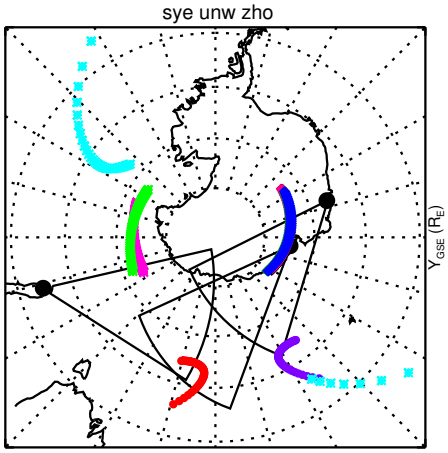


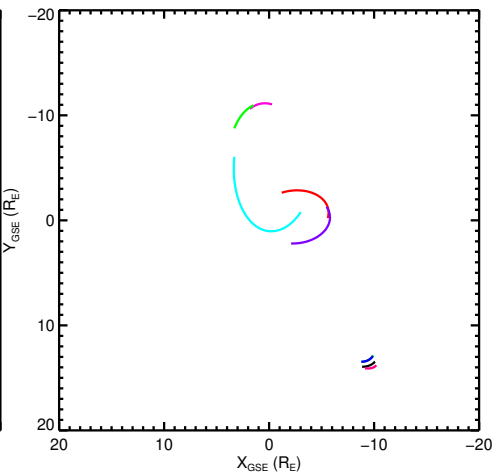


(e) 1540UT to 2000UT
adw hkw

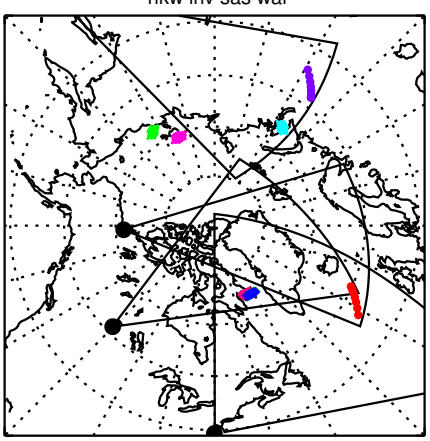


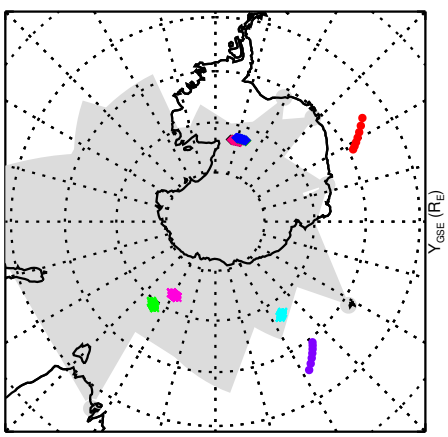
sye unw zho

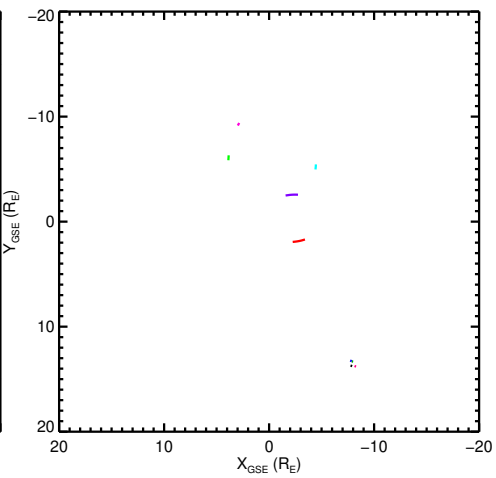




(f) 2205UT to 2235UT
hkw inv sas wal



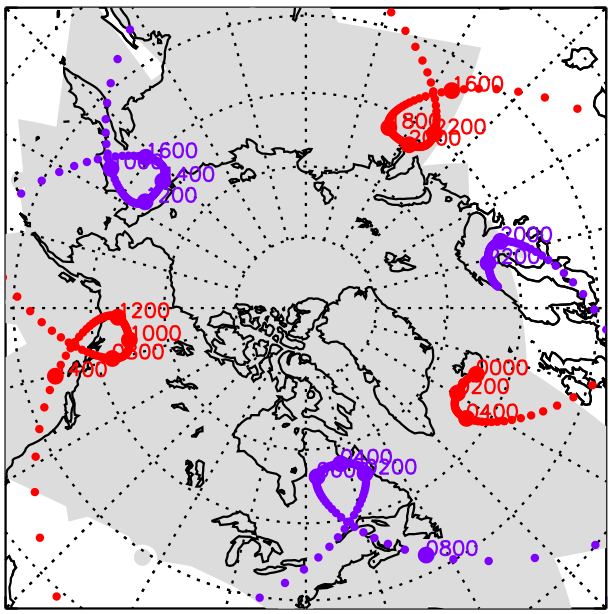


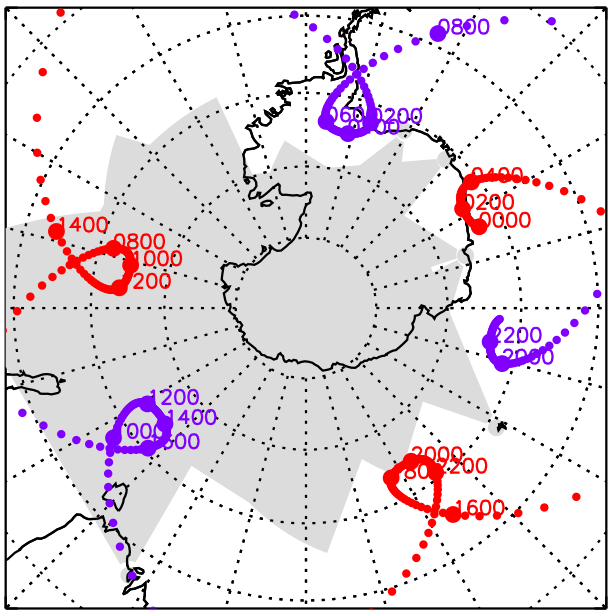


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

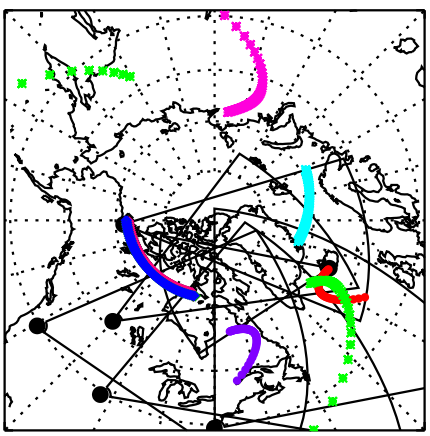
28–Oct–2016

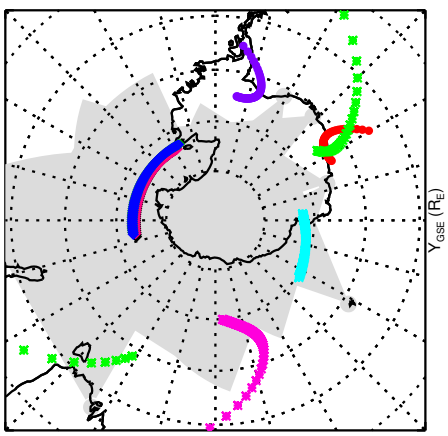
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

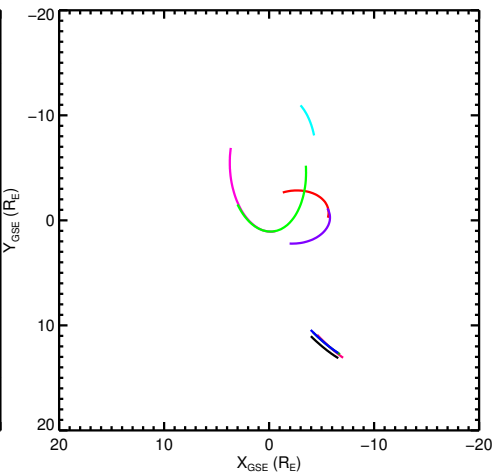




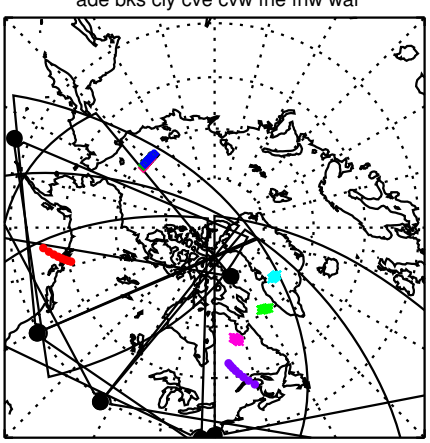
(a) 0040UT to 0455UT
cve fhe inv sas sto wal



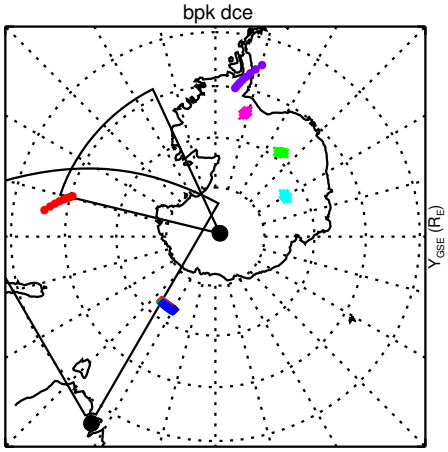


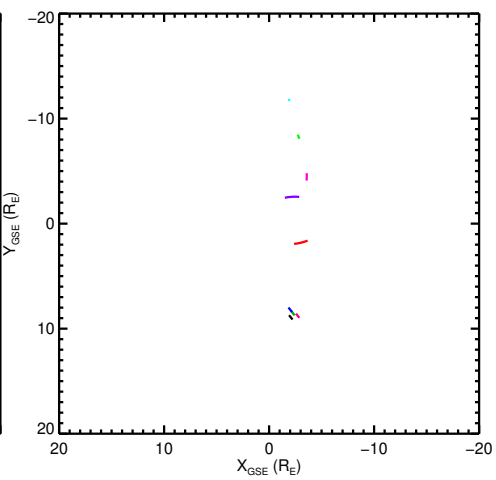


(b) 0705UT to 0740UT
ade bks cly cve cvw fhe fhw wal

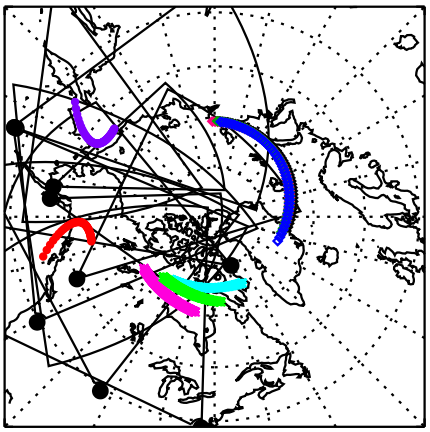


bpk dce

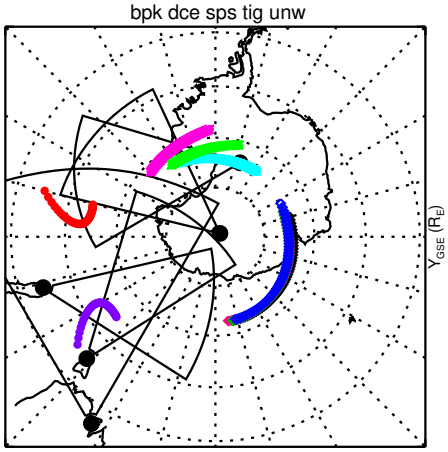


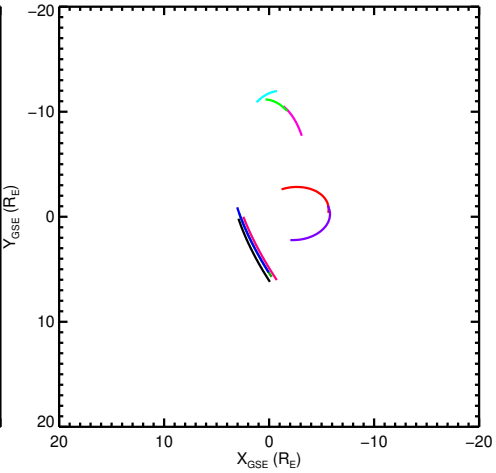


(c) 0945UT to 1355UT
ade adw bks cly cvw fhw hok kod ksr pgr

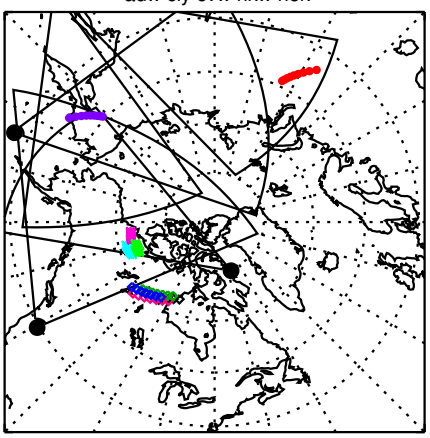


bpk dce sps tig unw

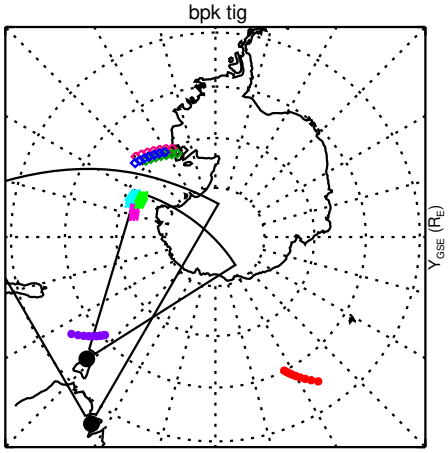


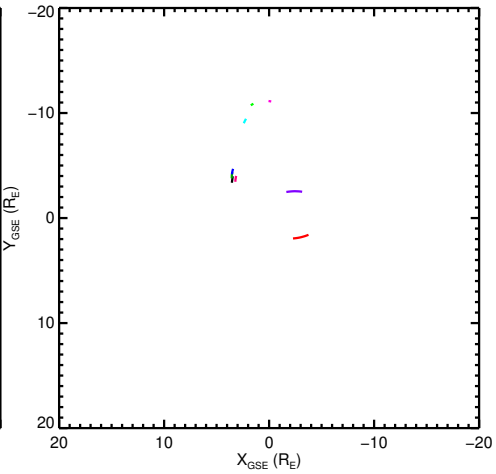


(d) 1600UT to 1640UT
adw cly cvw hkw hok

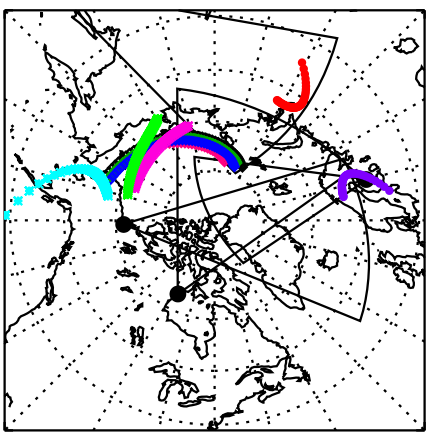


bpk tig

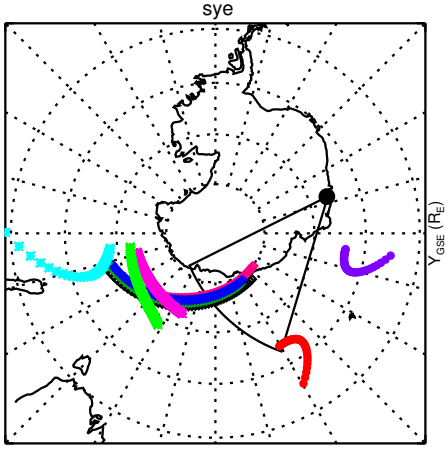


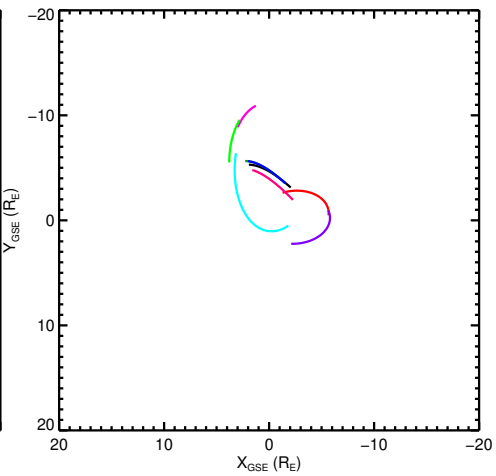


(e) 1850UT to 2250UT
han hkw inv rkn



sye

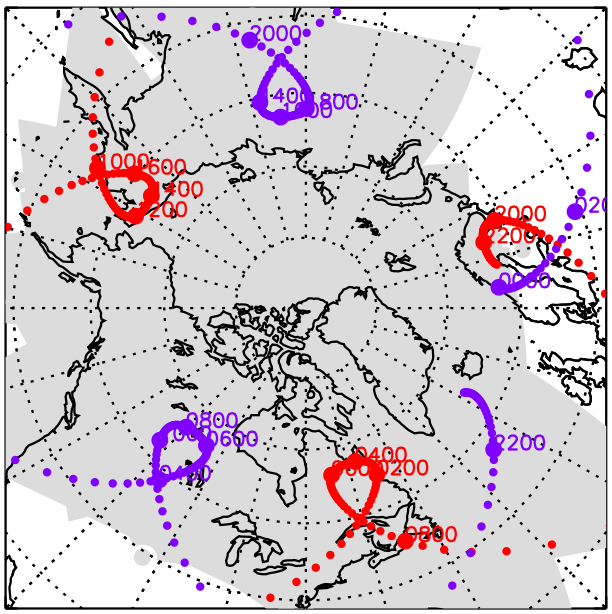


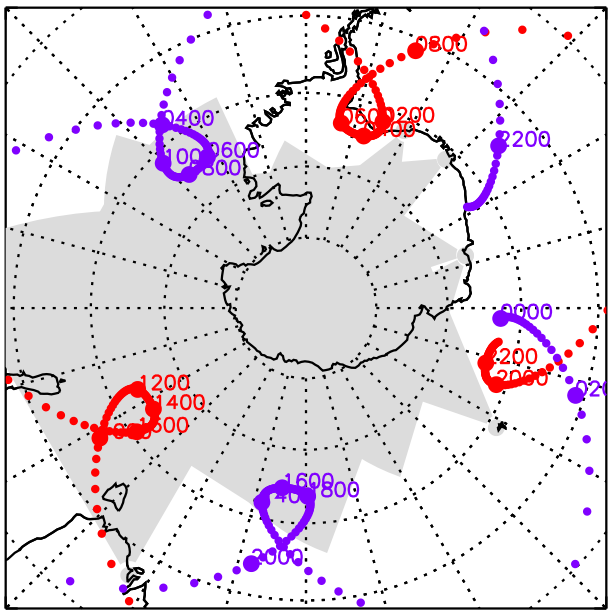


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

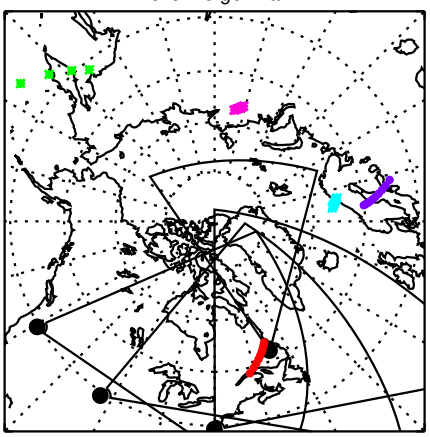
29–Oct–2016

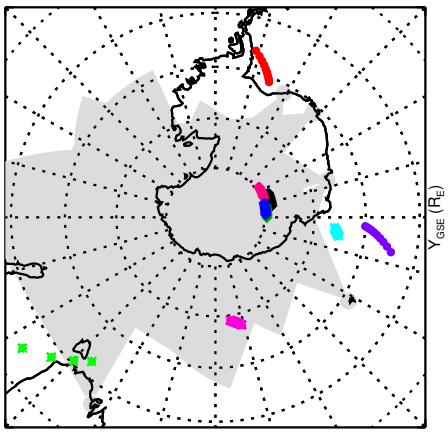
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

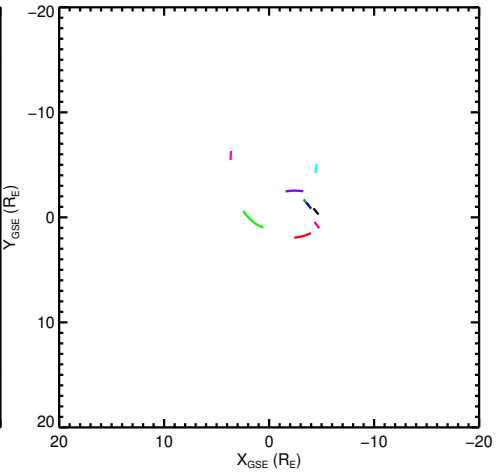




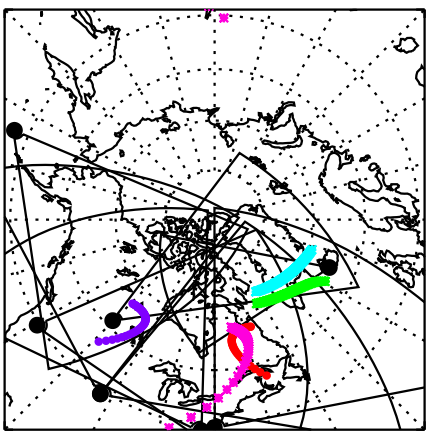
(a) 0100UT to 0145UT
cve fhe gbr wal



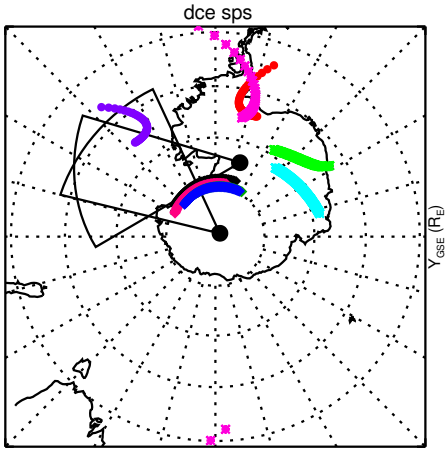


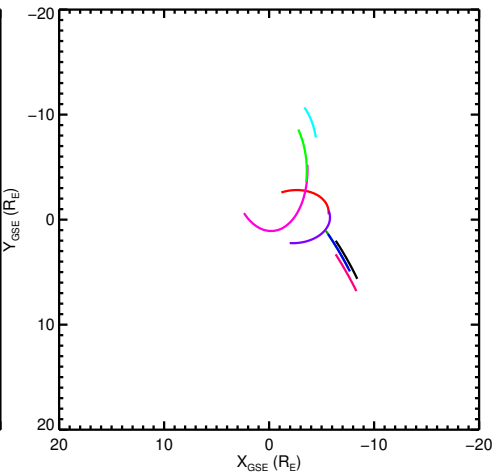


(b) 0350UT to 0750UT
ade bks cve fhe fhw sas sto wal

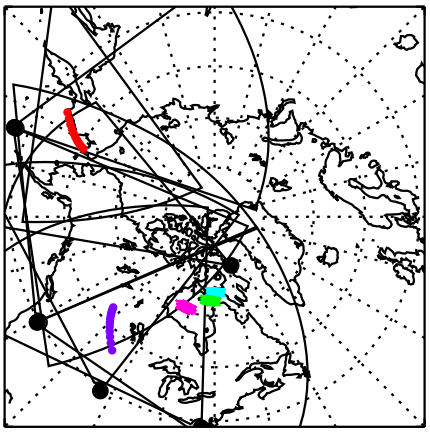


dce sps

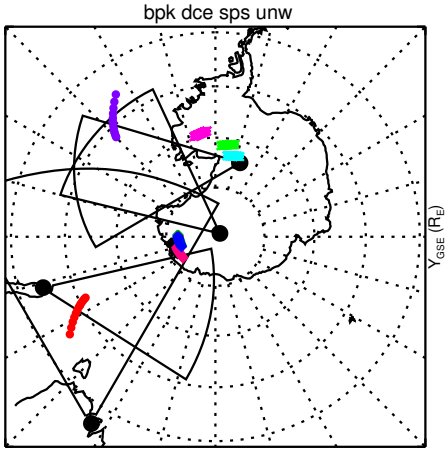


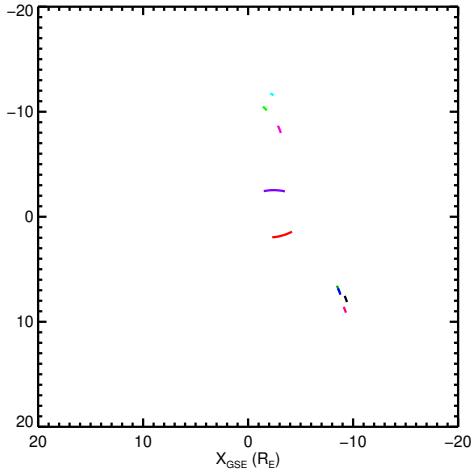


(c) 0955UT to 1050UT
ade adw bks cly cve cvw fhw hok

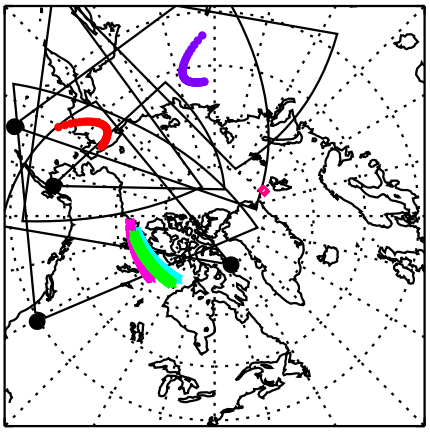


bpk dce sps unw

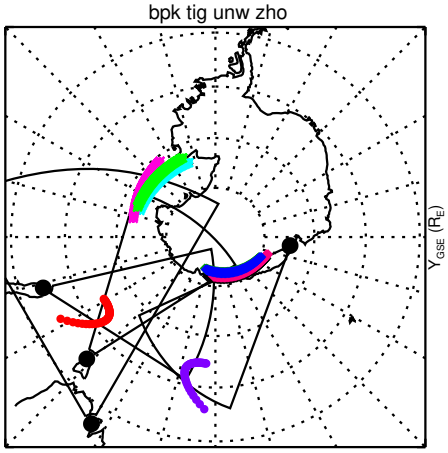


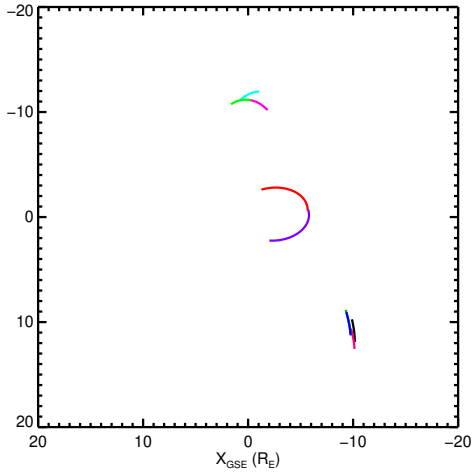


(d) 1255UT to 1645UT
adw cly cvw hkw hok ksr

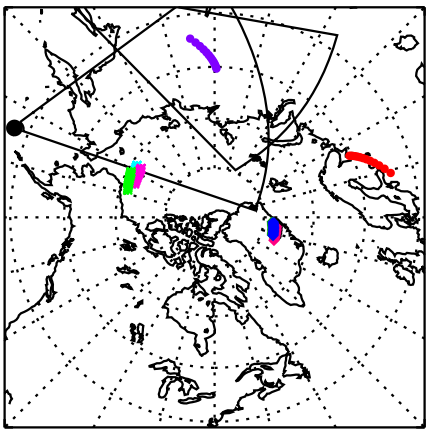


bpk tig unw zho

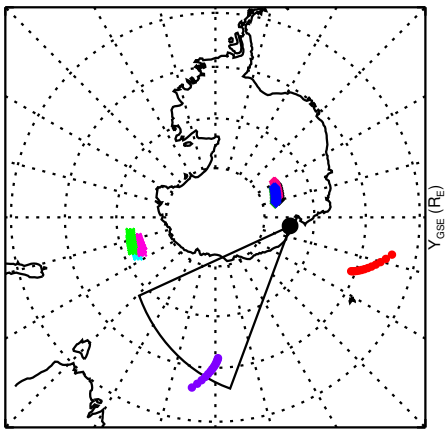


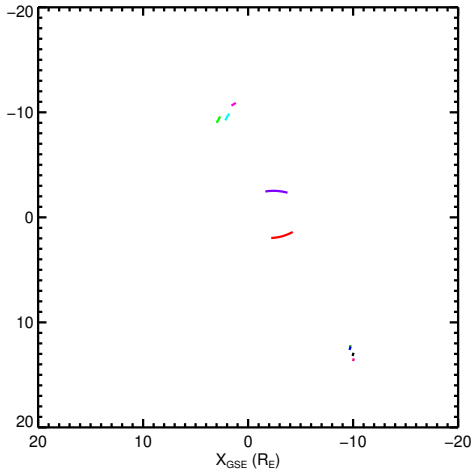


(e) 1850UT to 1950UT
adw hkw

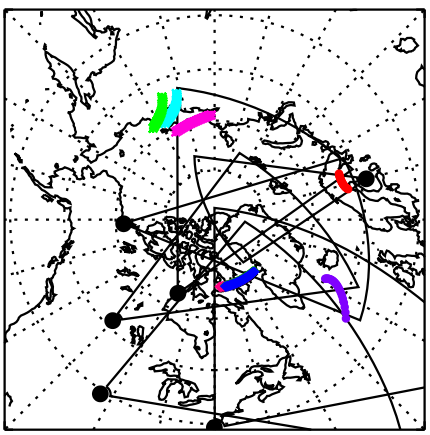


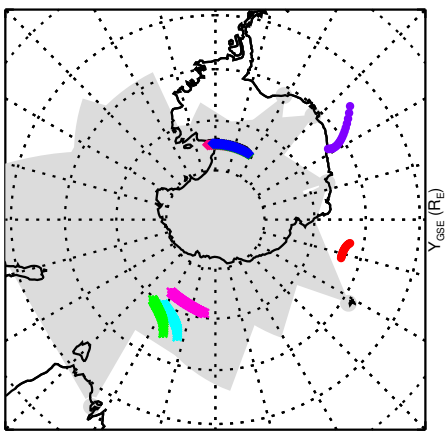
zho

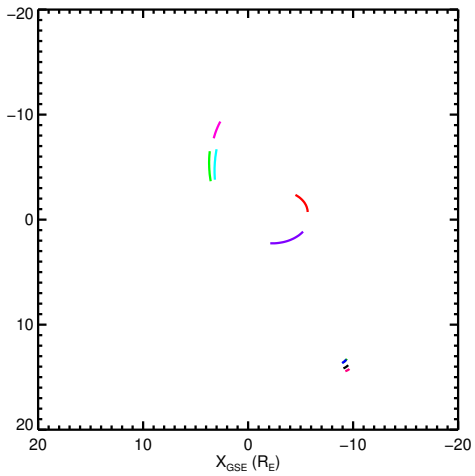




(f) 2200UT to 2355UT
fhe han inv rkn sas wal



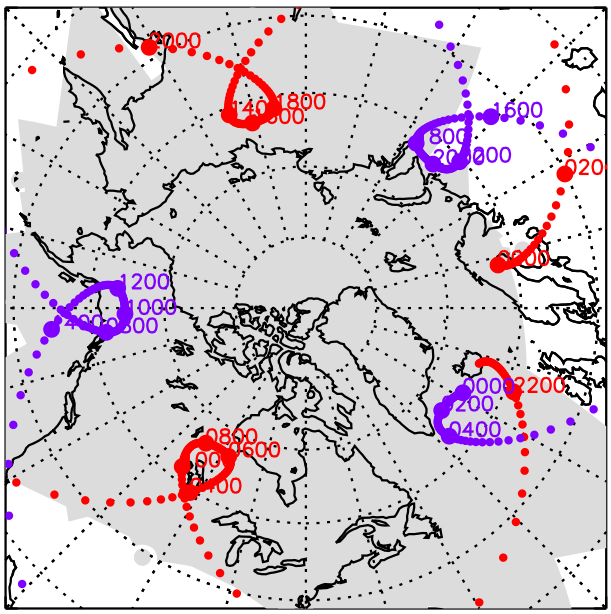


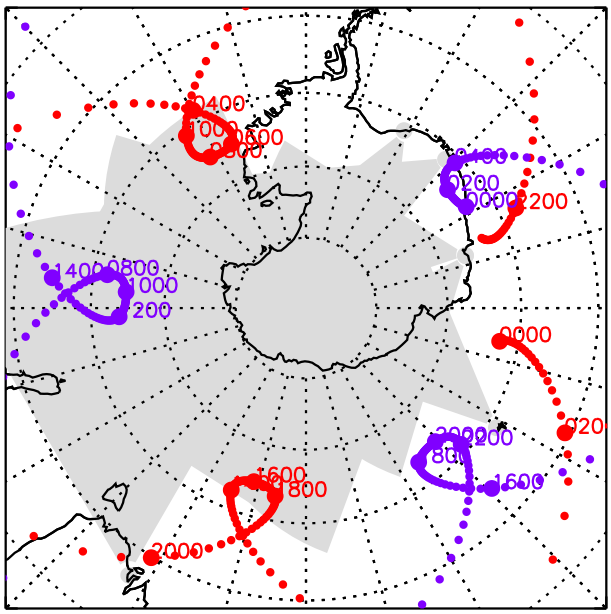


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

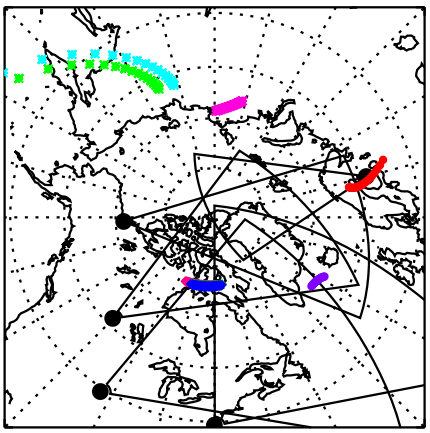
30−Oct−2016

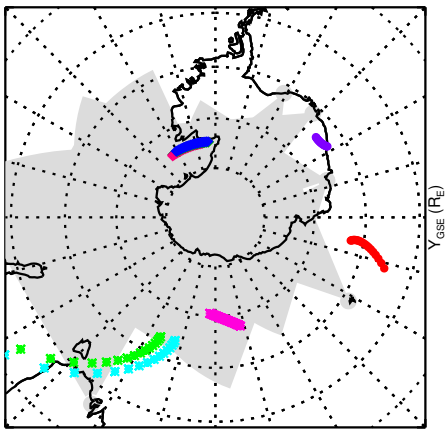
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

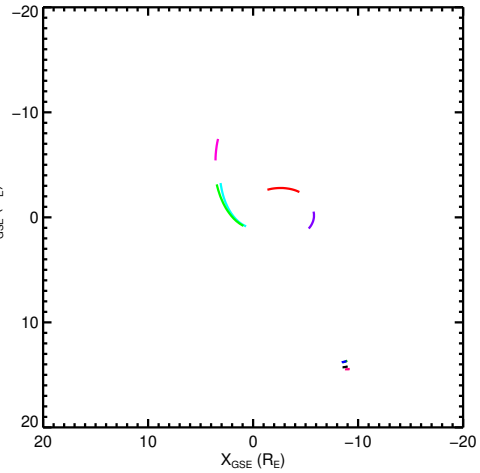




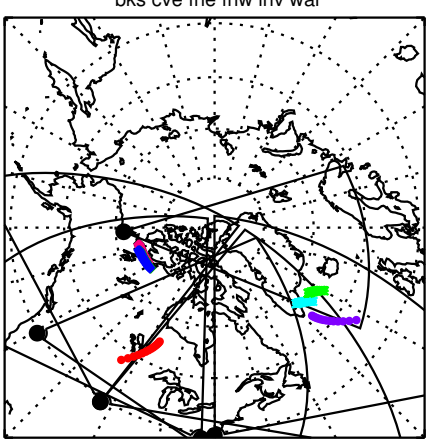
(a) 0000UT to 0140UT
fhe han inv sas wal



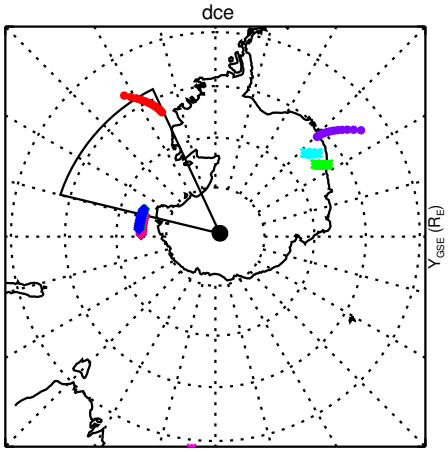


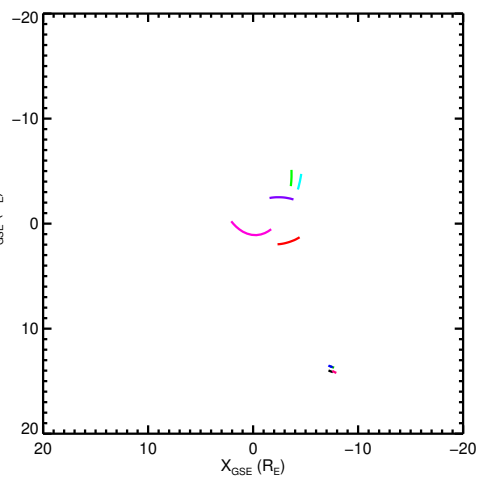


(b) 0350UT to 0455UT
bks cve fhe fhw inv wal

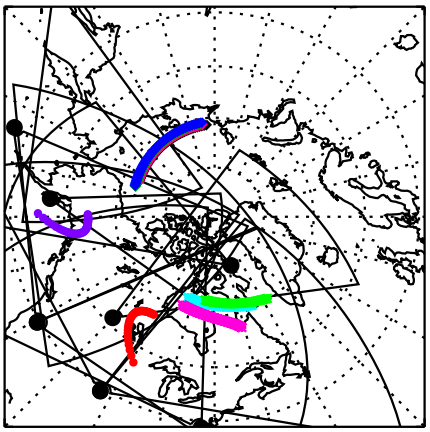


dce

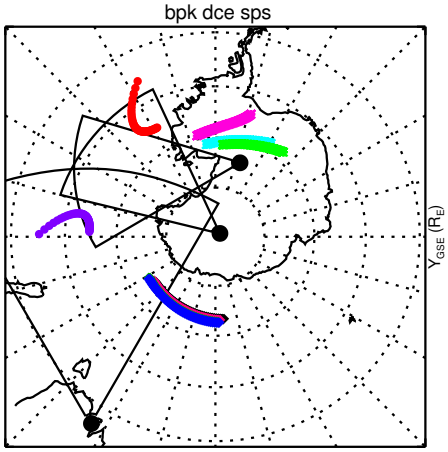


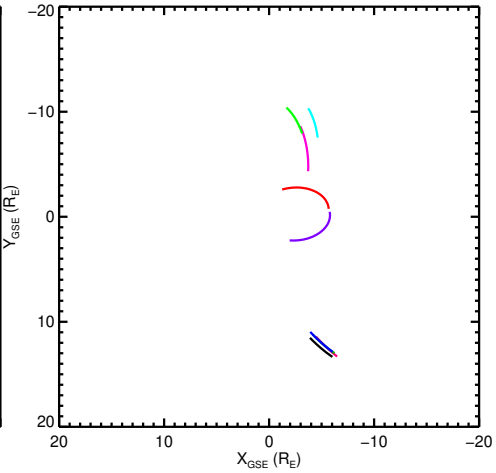


(c) 0700UT to 1040UT
ade bks cly cve cvw fhe fhw hok kod sas

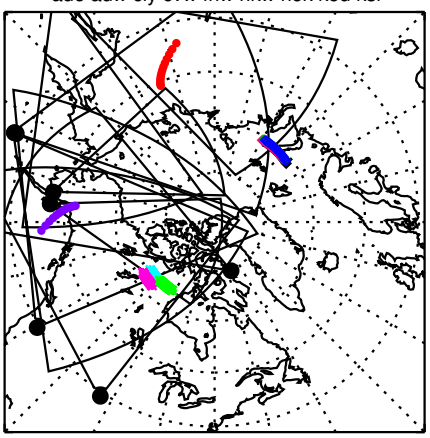


bpk dce sps

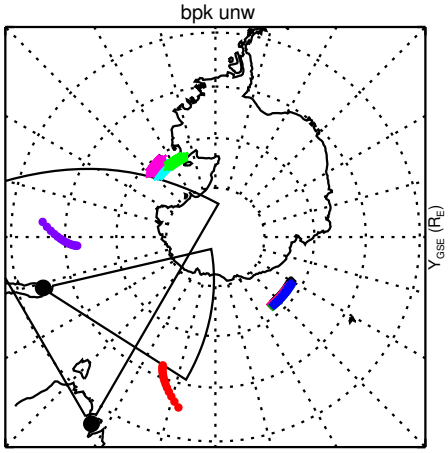


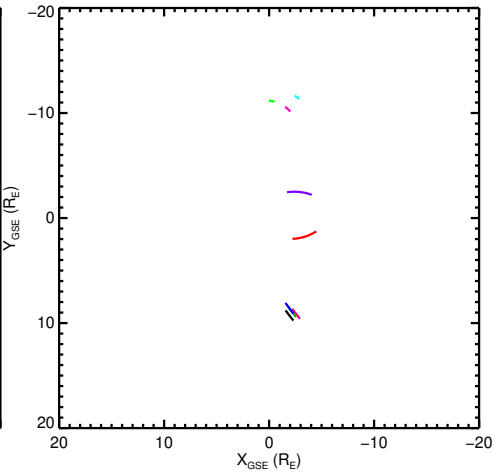


(d) 1245UT to 1355UT
ade adw cly cvw fhw hkw hok kod ksr

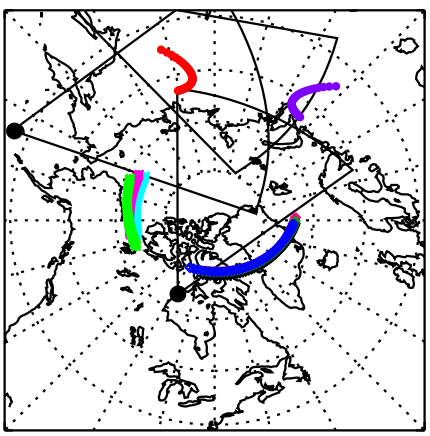


bpk unw

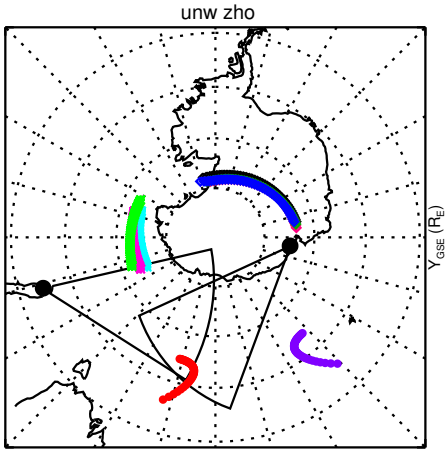


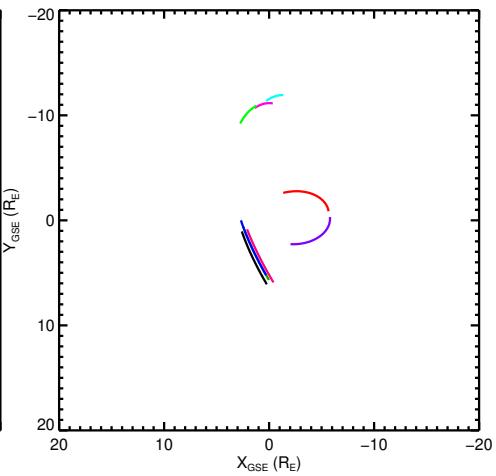


(e) 1605UT to 1935UT
adw hkw rkn

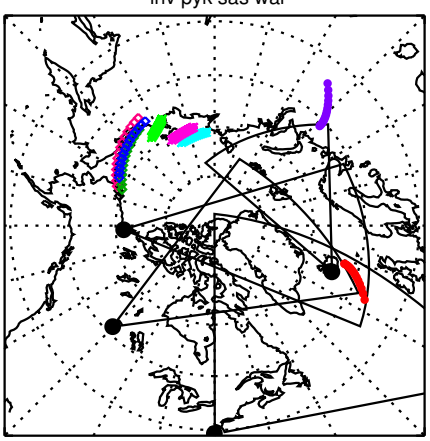


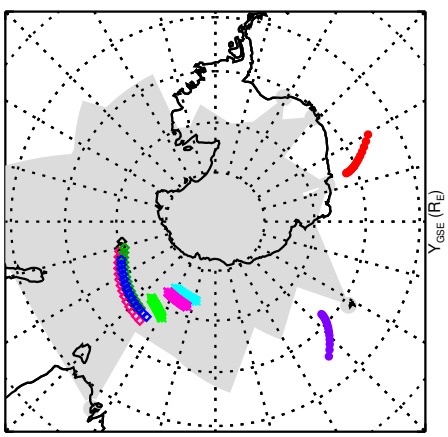
unw zho

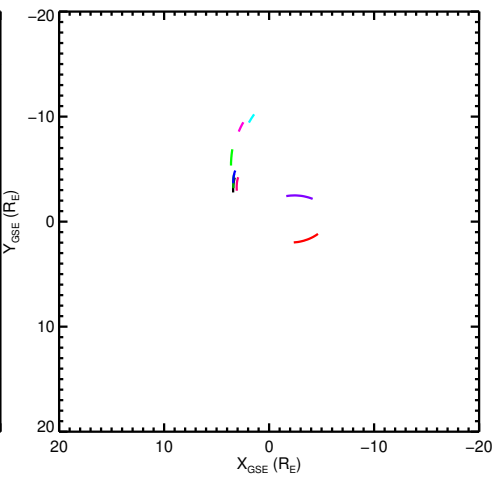




(f) 2145UT to 2300UT
inv pyk sas wal



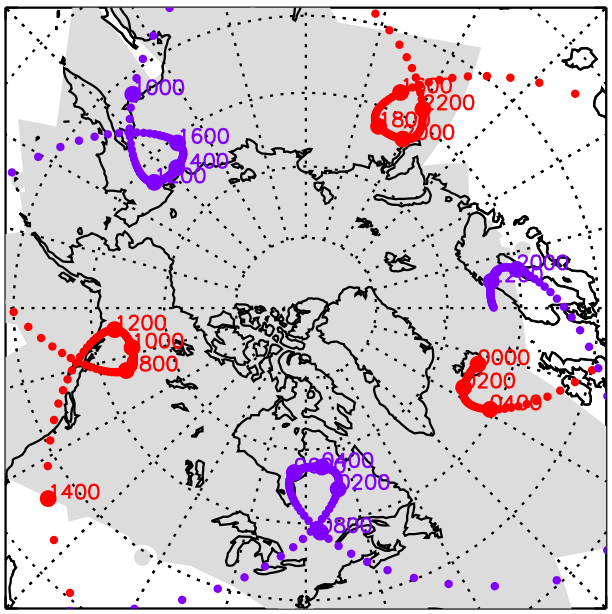


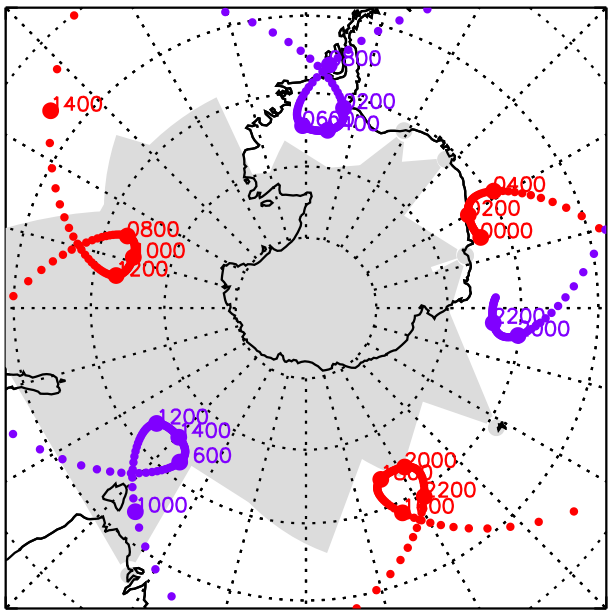


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

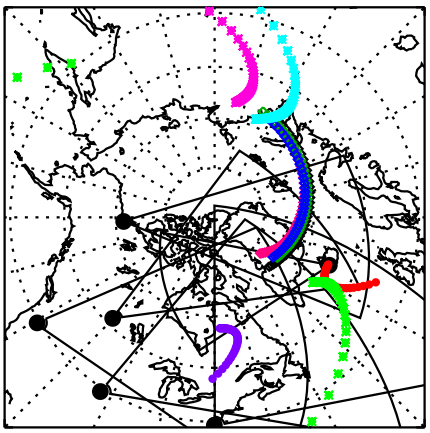
31−Oct−2016

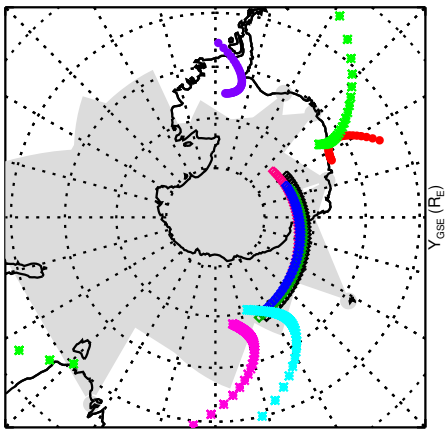
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

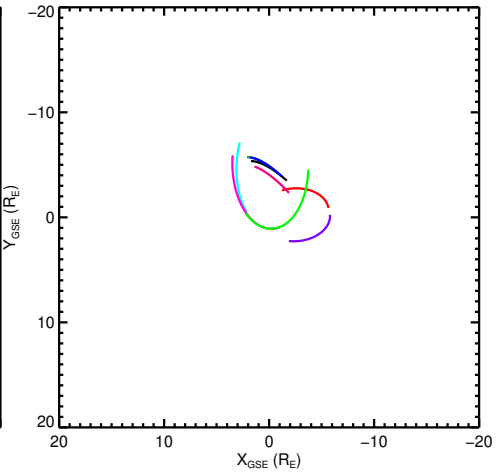




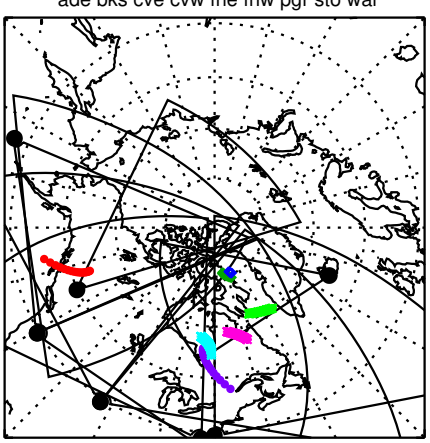
(a) 0105UT to 0435UT
cve fhe inv sas sto wal



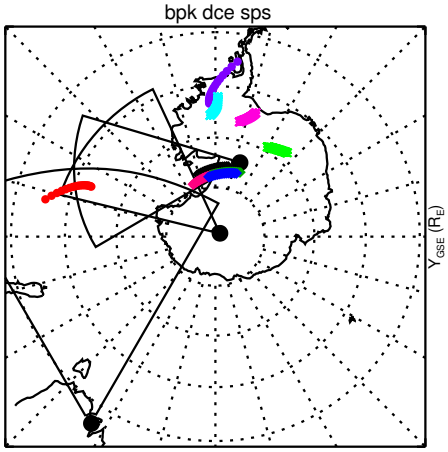


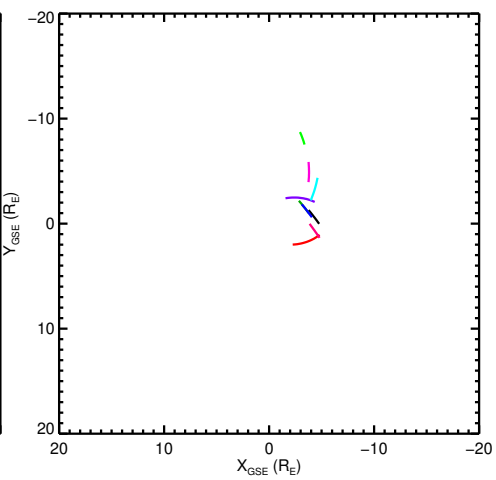


(b) 0640UT to 0805UT
ade bks cve cvw fhe fhw pgr sto wal

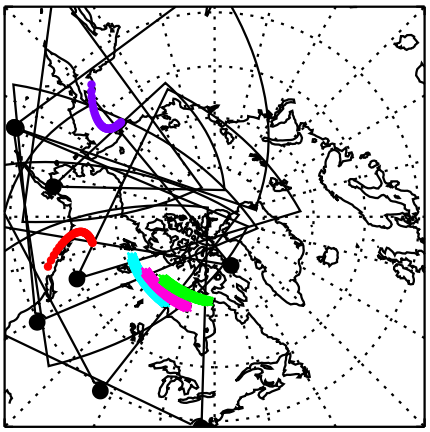


bpk dce sps

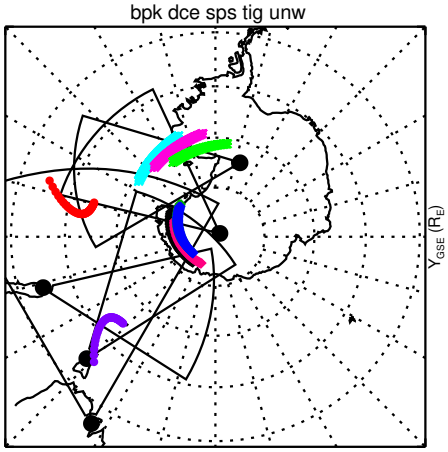


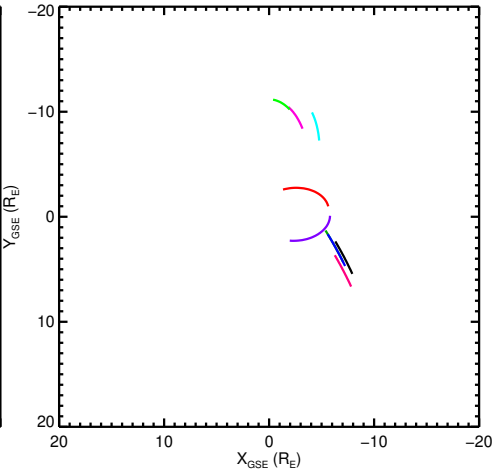


(c) 1010UT to 1330UT
ade adw bks cly cvw fhw hok ksr pgr

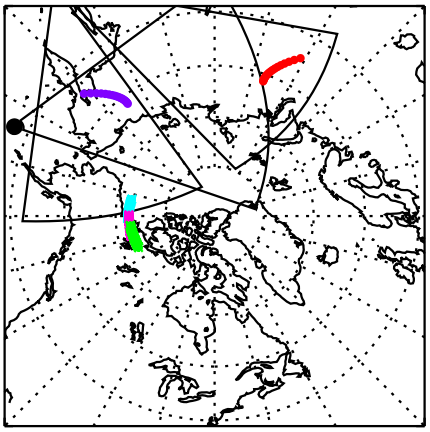


bpk dce sps tig unw

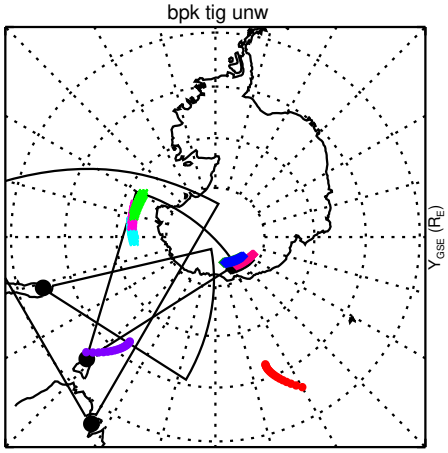


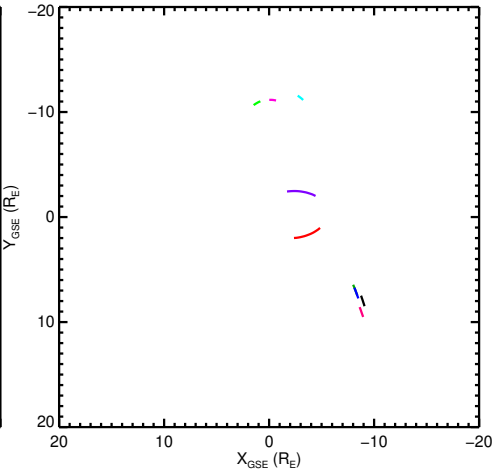


(d) 1540UT to 1705UT
adw hkw hok

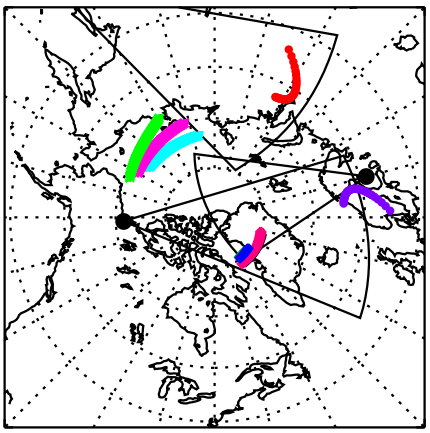
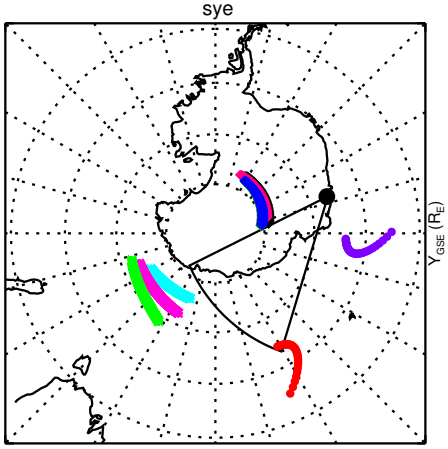
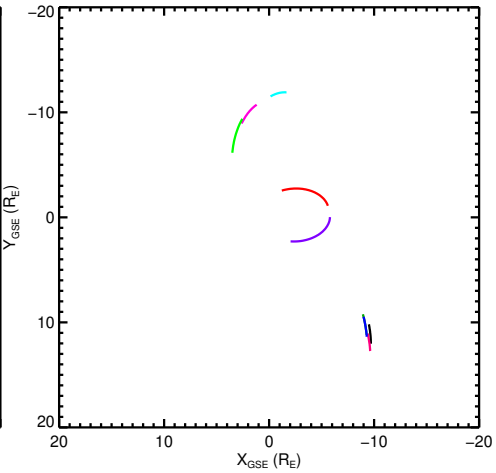


bpk tig unw





(e) 1915UT to 2230UT
han hkw inv



sye