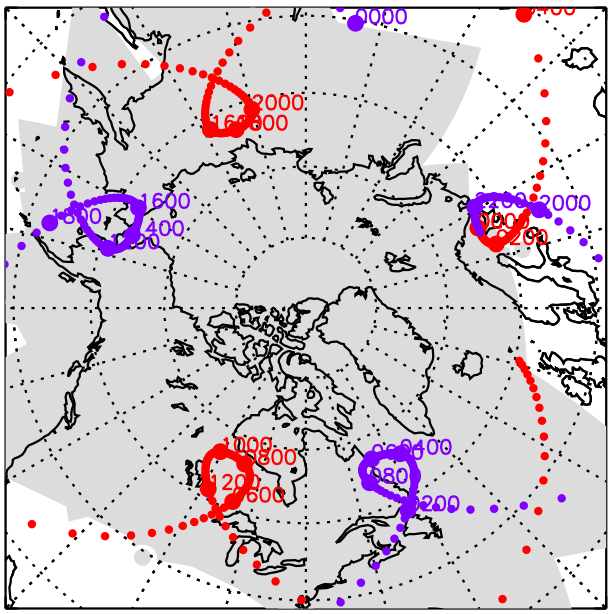
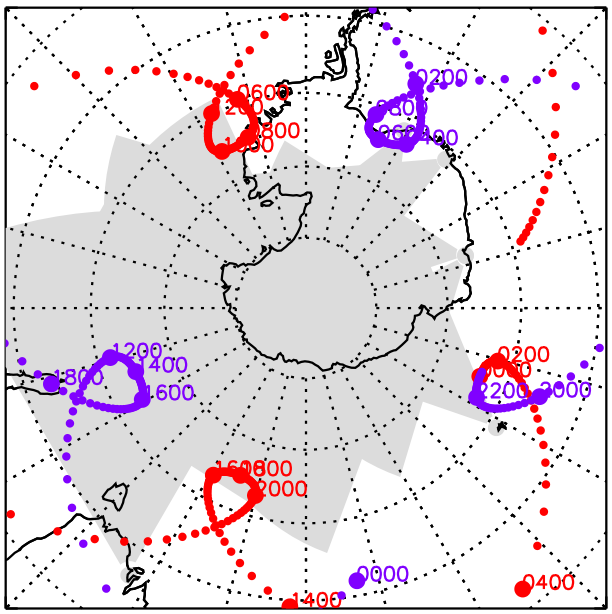
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

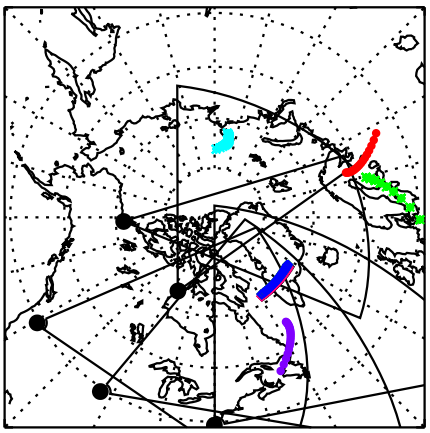
01−Sep−2016

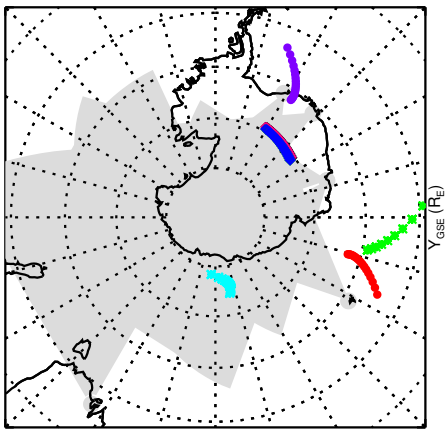
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

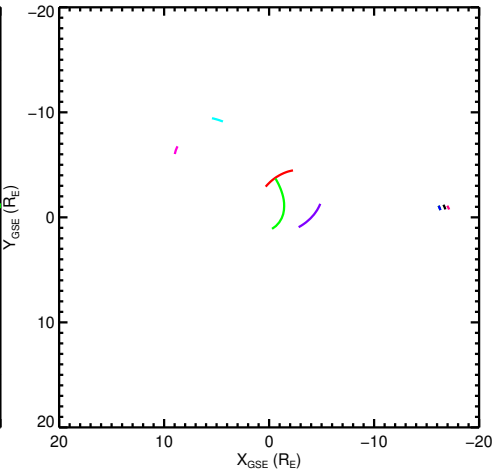




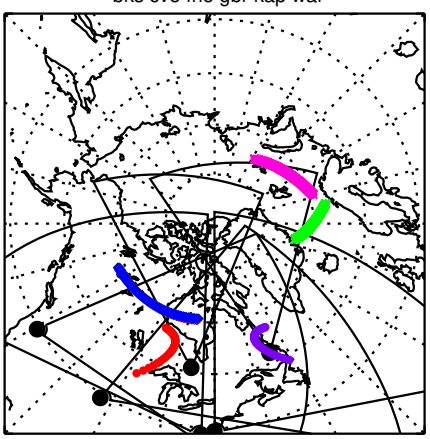
(a) 0150UT to 0325UT
cve fhe inv rkn wal



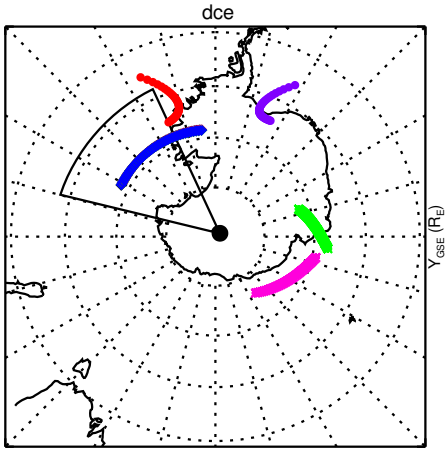


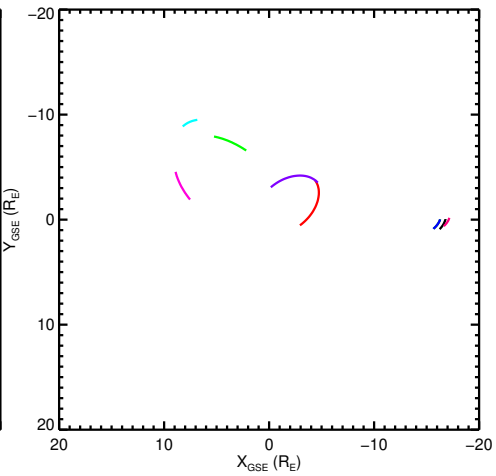


(b) 0530UT to 0845UT
bks cve fhe gbr kap wal

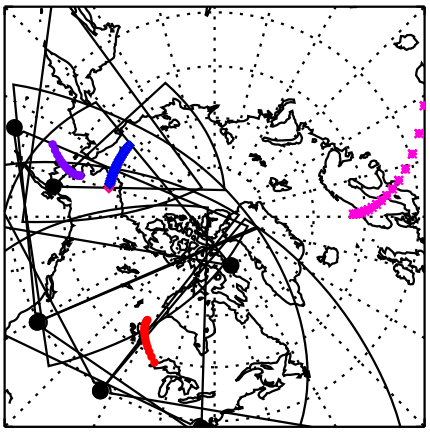


dce

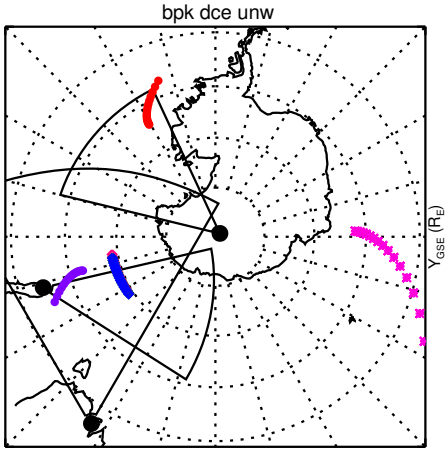


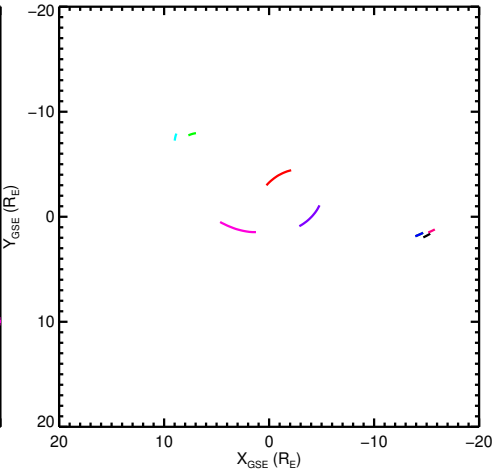


(c) 1055UT to 1220UT
ade bks cly cve cvw fhe fhw hok ksr

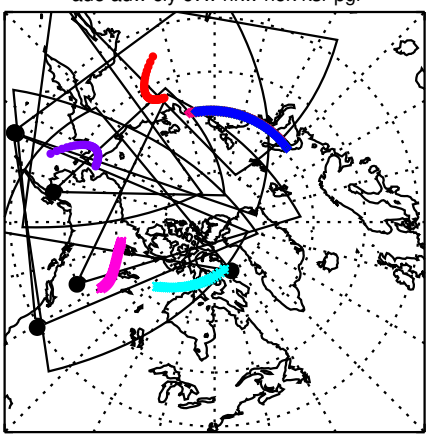


bpk dce unw

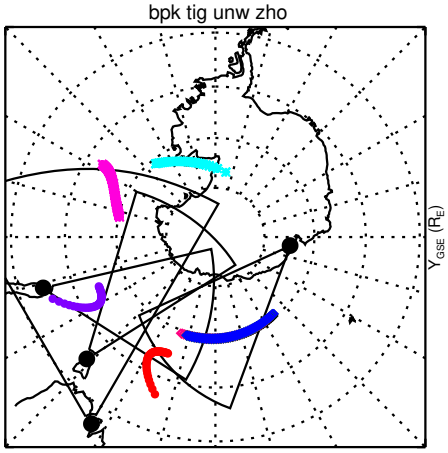


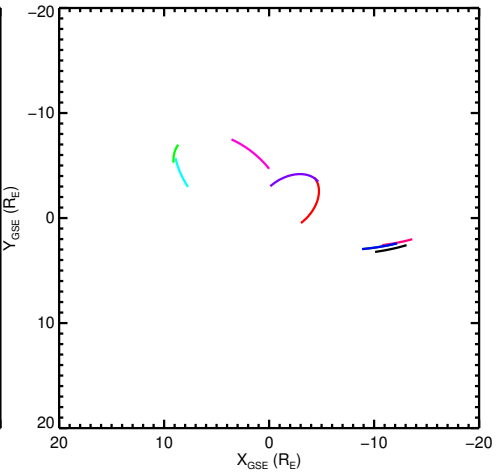


(d) 1430UT to 1750UT
ade adw cly cvw hkw hok ksr pgr

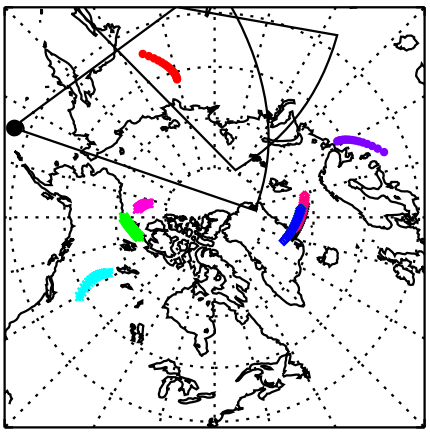


bpk tig unw zho

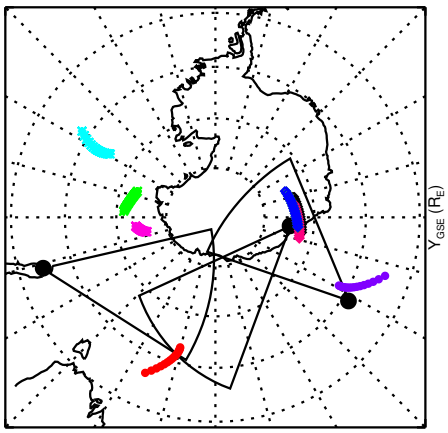


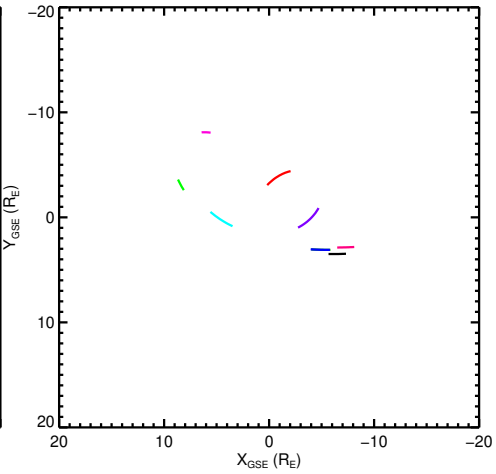


(e) 1955UT to 2115UT
adw hkw

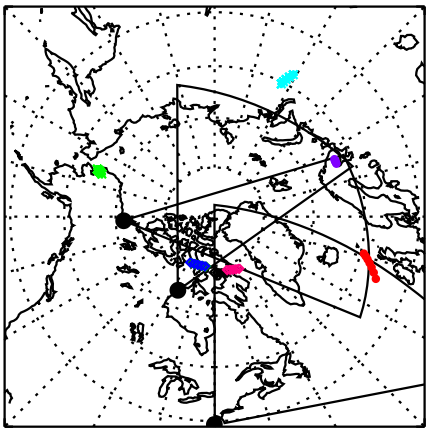


ker unw zho





(f) 2325UT to 2355UT
inv rkn wal



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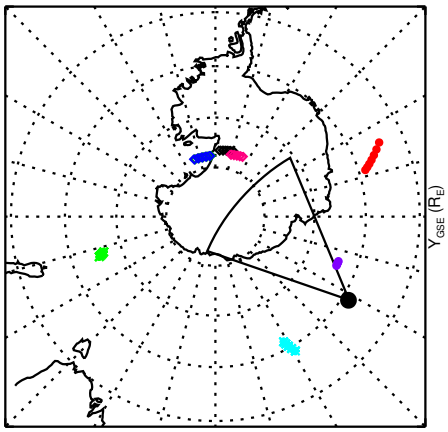
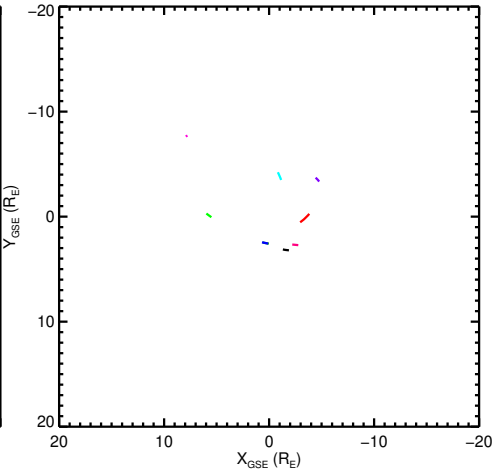
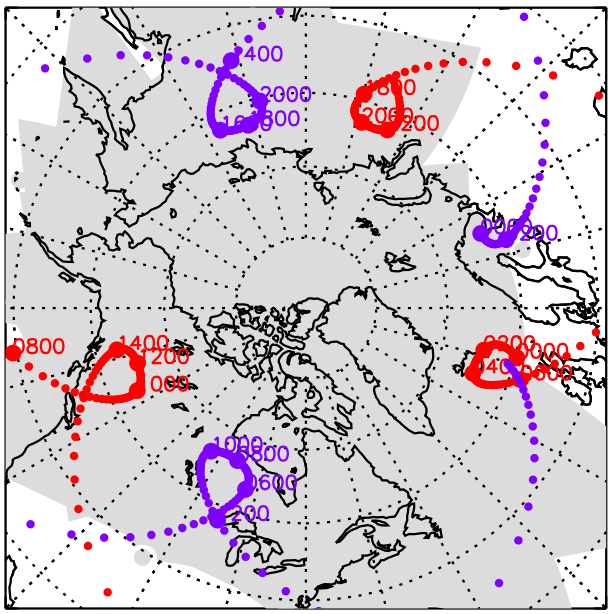


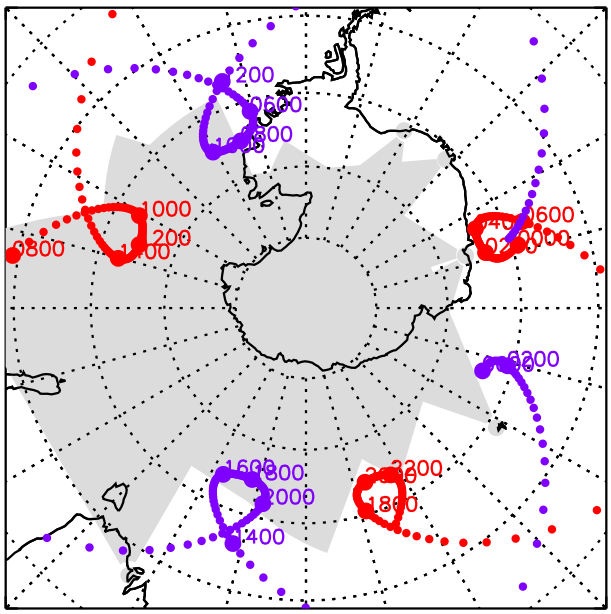


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

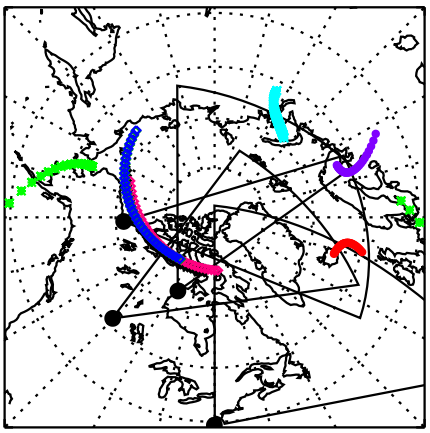
02–Sep–2016

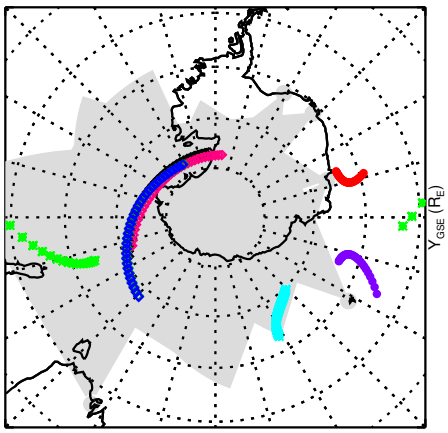
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

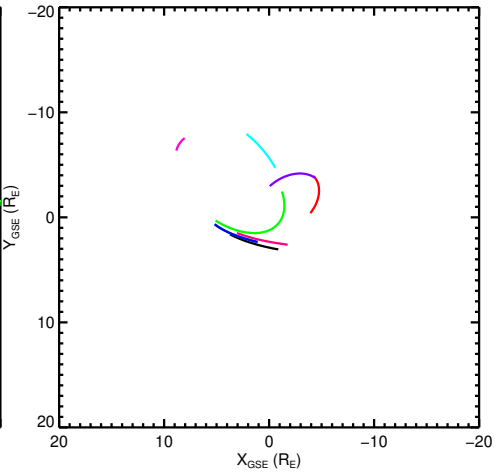




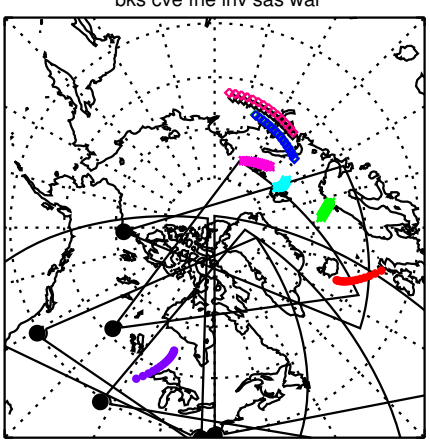
(a) 0000UT to 0255UT
inv rkn sas wal

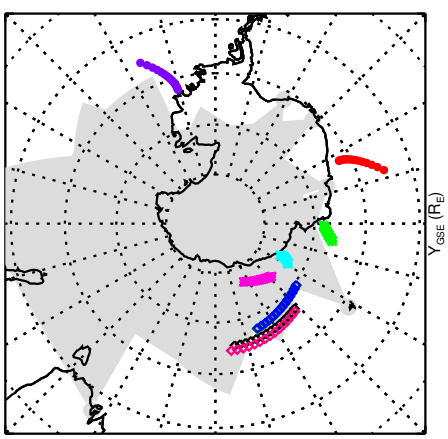


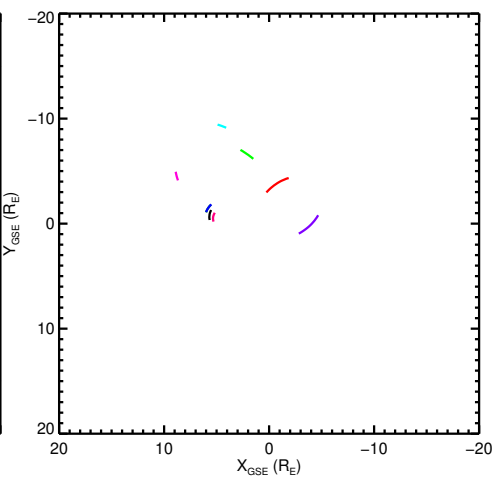




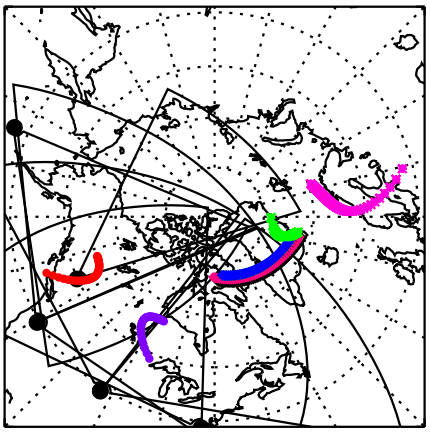
(b) 0500UT to 0615UT
bks cve fhe inv sas wal



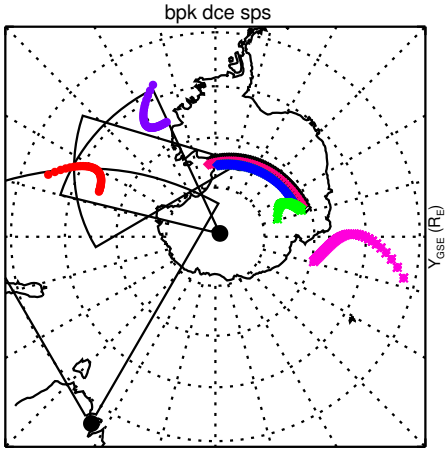


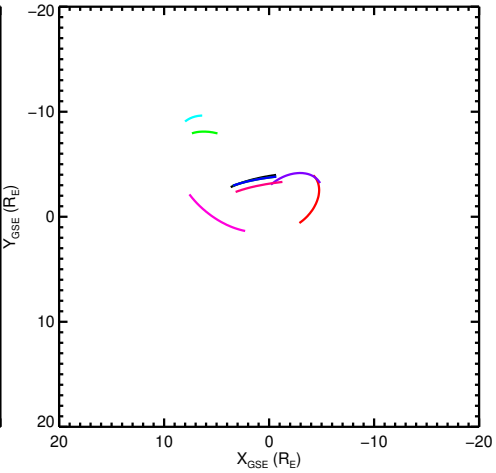


(c) 0820UT to 1155UT
ade bks cve cvw fhe fhw pgr

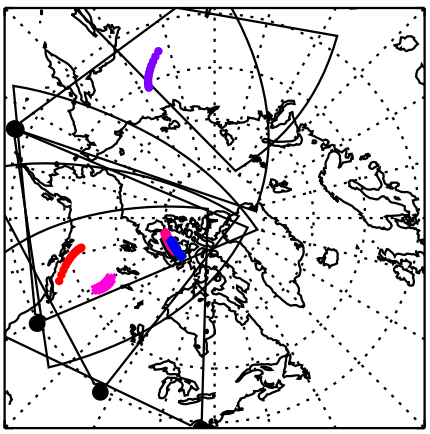


bpk dce sps

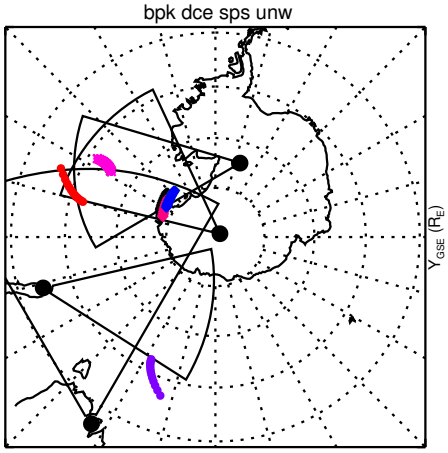


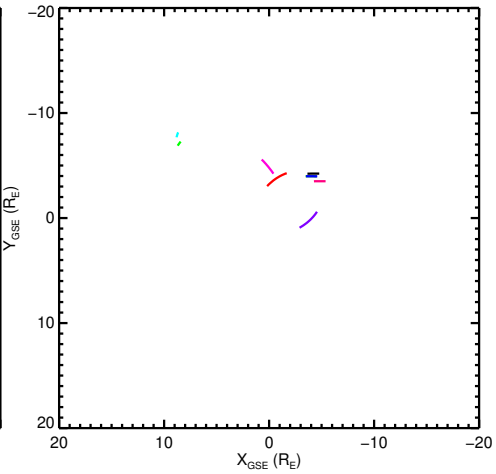


(d) 1405UT to 1510UT
ade adw bks cvw fhw hkw

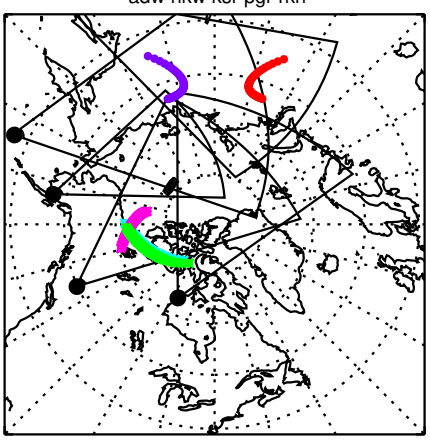


bpk dce sps unw





(e) 1720UT to 2100UT
adw hkw ksr pgr rkn



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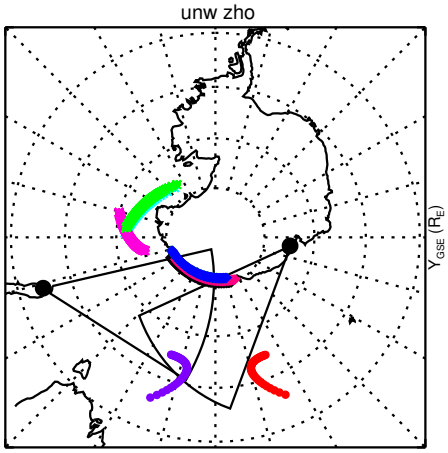
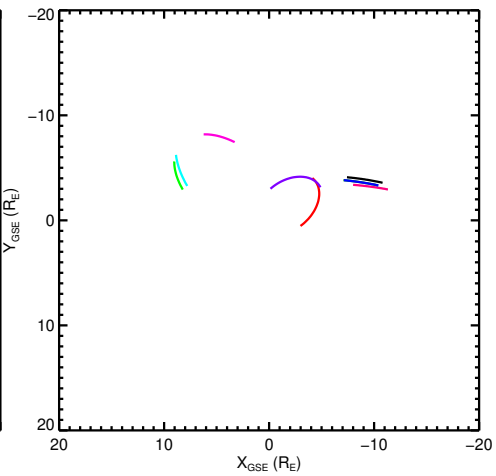
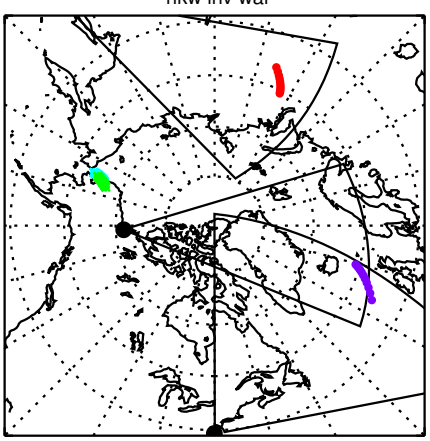
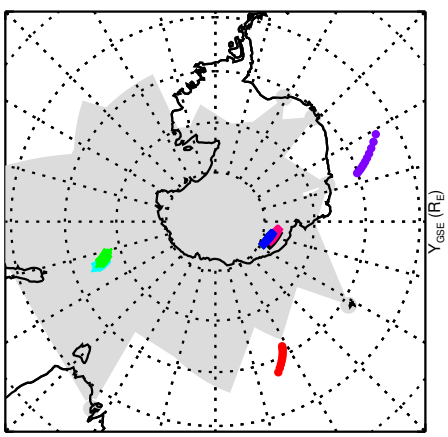
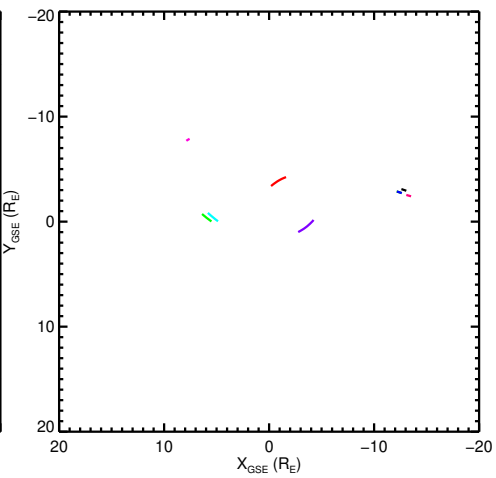




(f) 2305UT to 2355UT
hkw inv wal



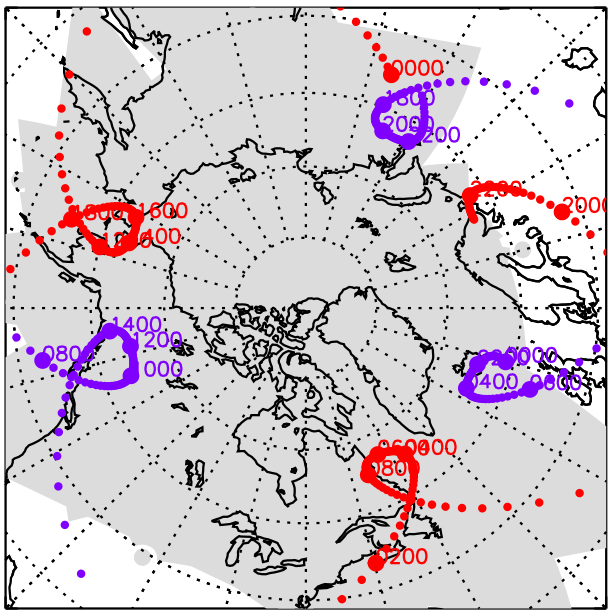


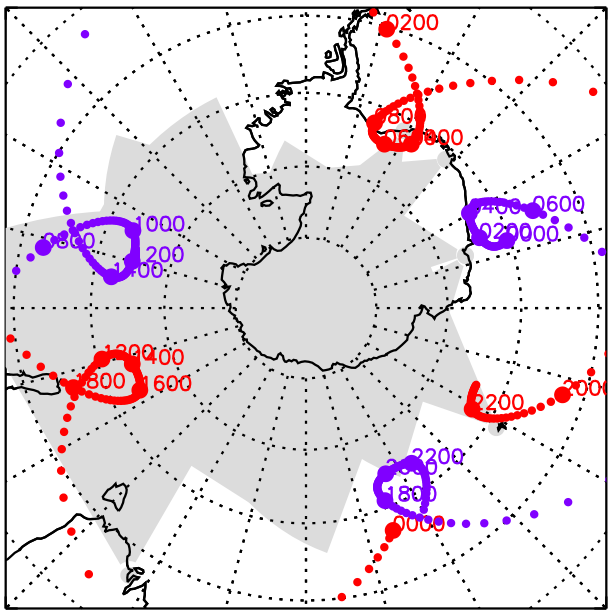


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

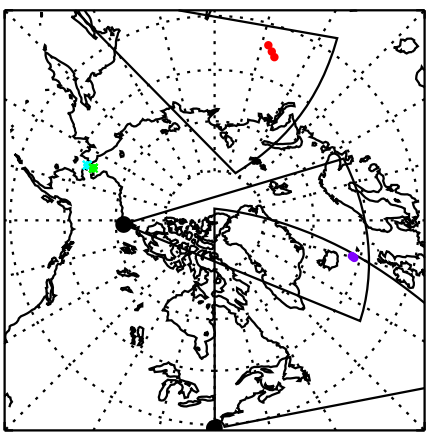
03–Sep–2016

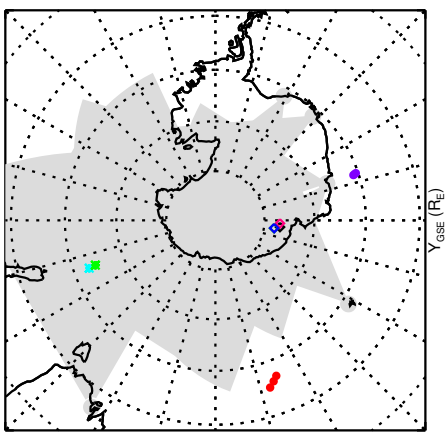
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

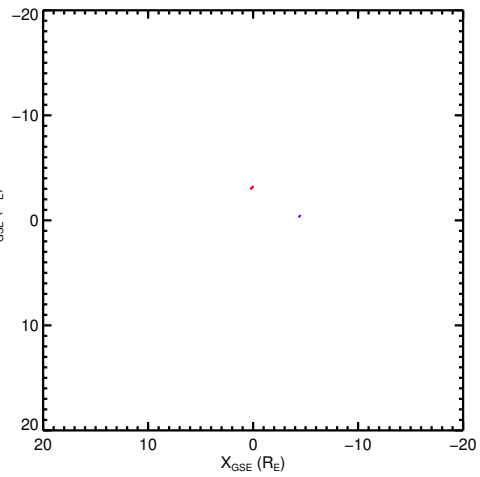




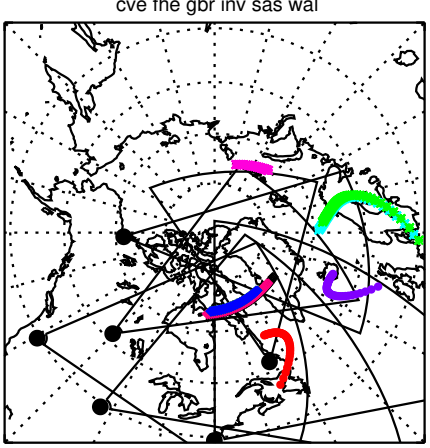
(a) 0000UT to 0010UT
hkw inv wal



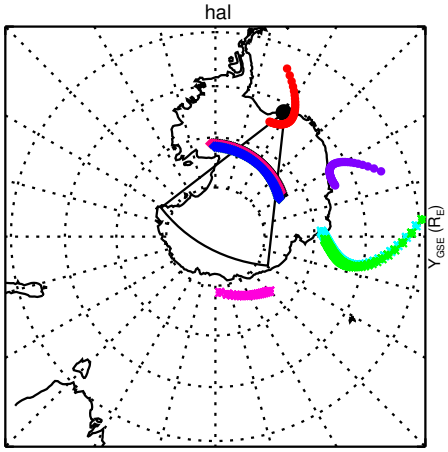


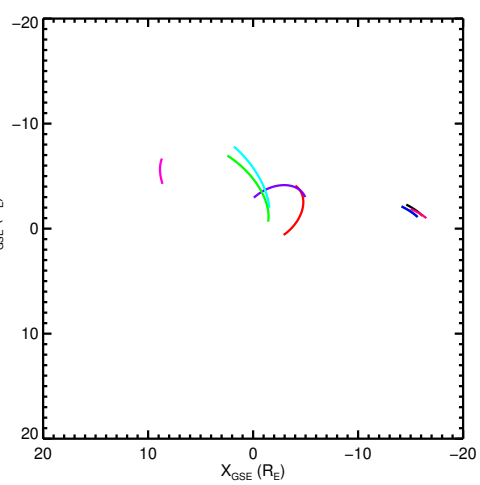


(b) 0215UT to 0605UT
cve fhe gbr inv sas wal

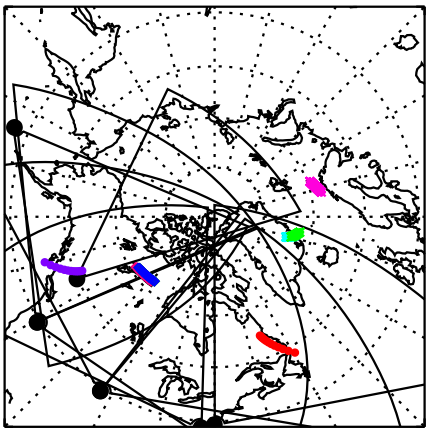


hal

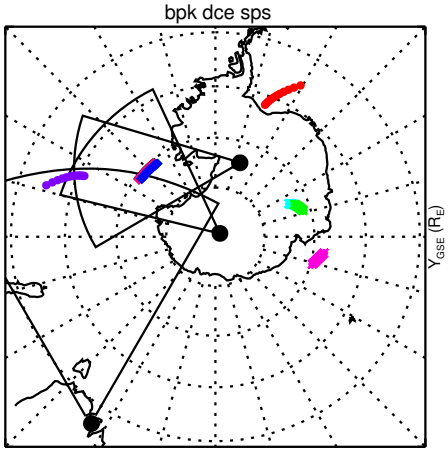


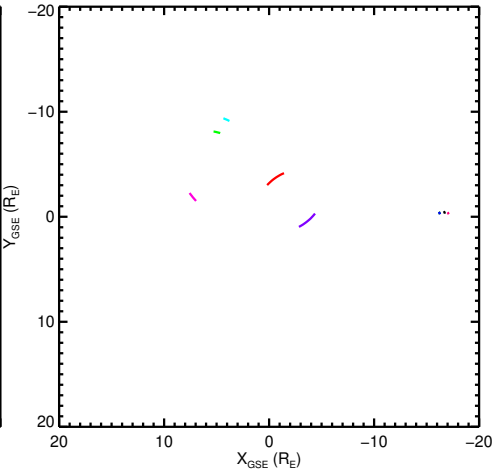


(c) 0810UT to 0905UT
ade bks cve cvw fhe fhw pgr wal

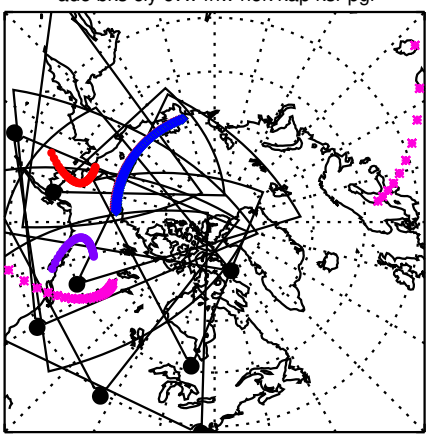


bpk dce sps

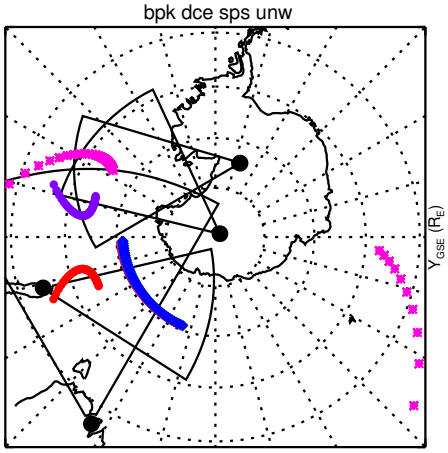


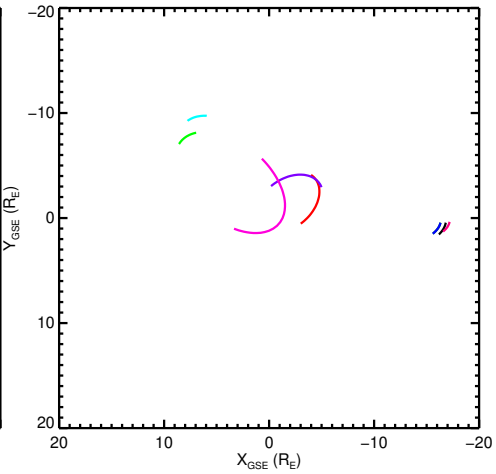


(d) 1115UT to 1505UT
ade bks cly cvw fhw hok kap ksr pgr

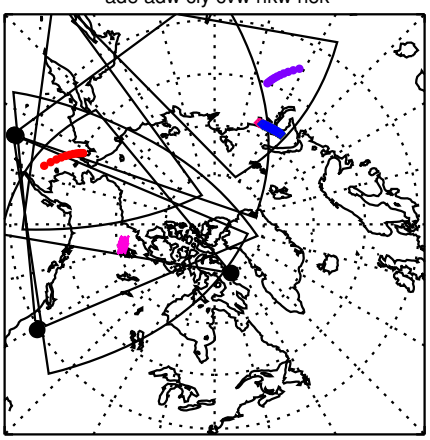


bpk dce sps unw

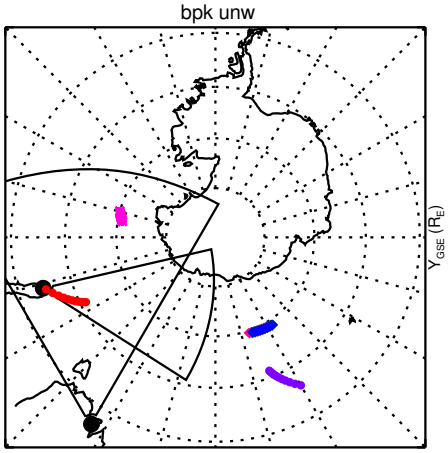


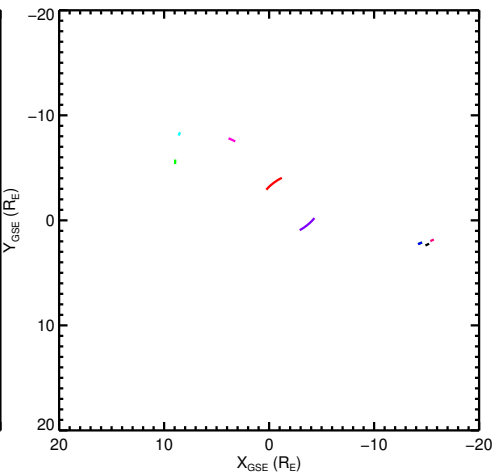


(e) 1715UT to 1805UT
ade adw cly cvw hkw hok

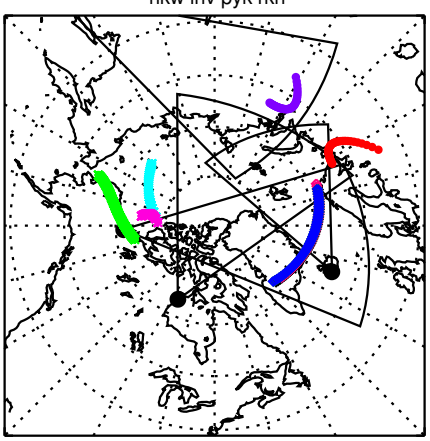


bpk unw

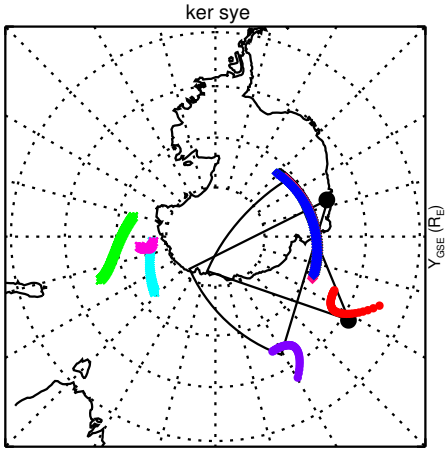


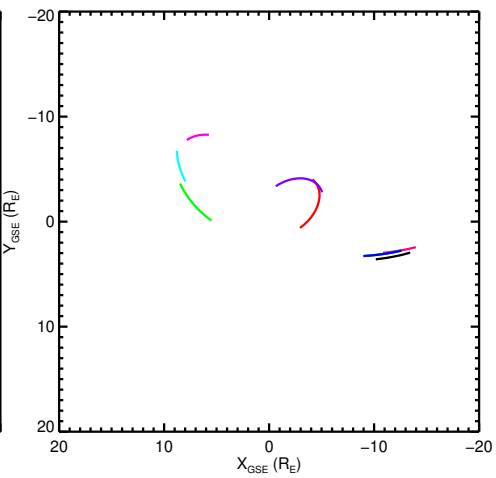


(f) 2010UT to 2355UT
hkw inv pyk rkn



ker sye

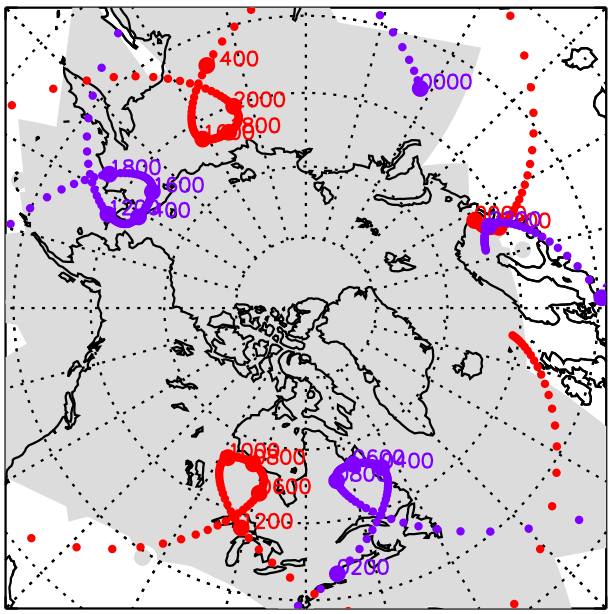


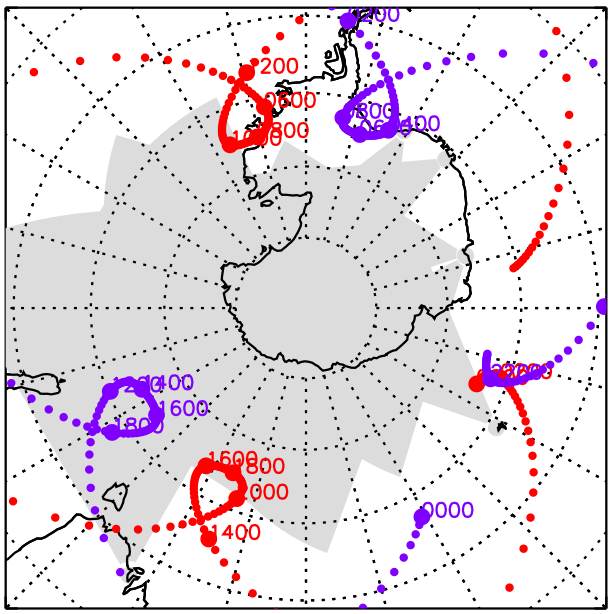


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

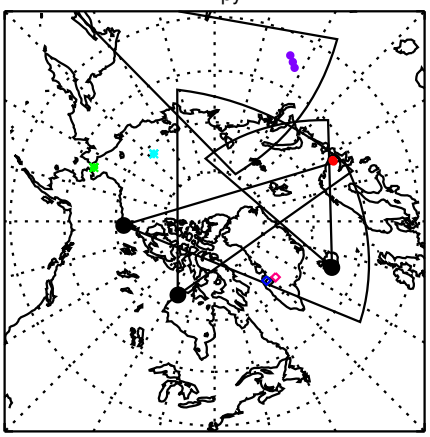
04–Sep–2016

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 0010UT
hkw inv pyk rkn



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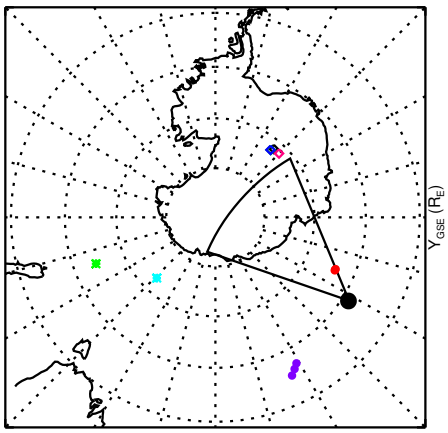
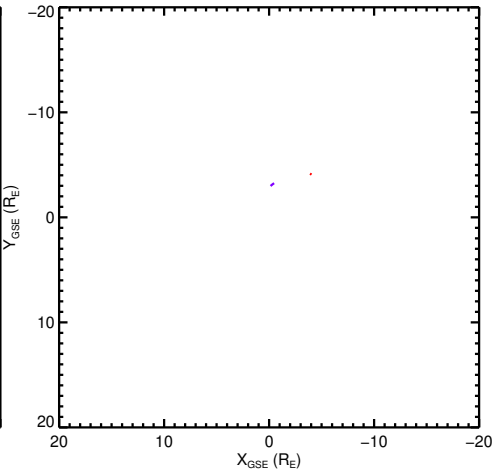
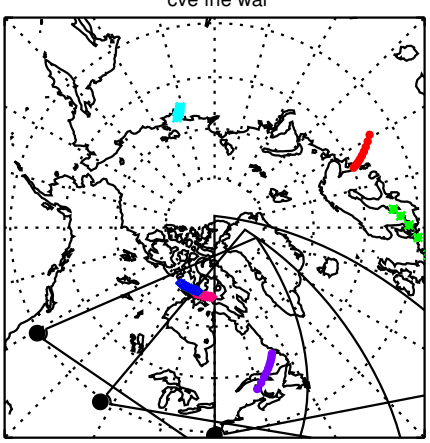
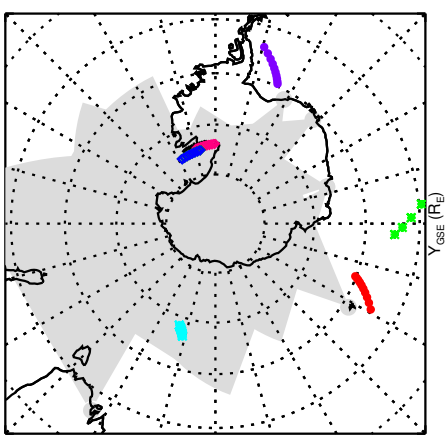
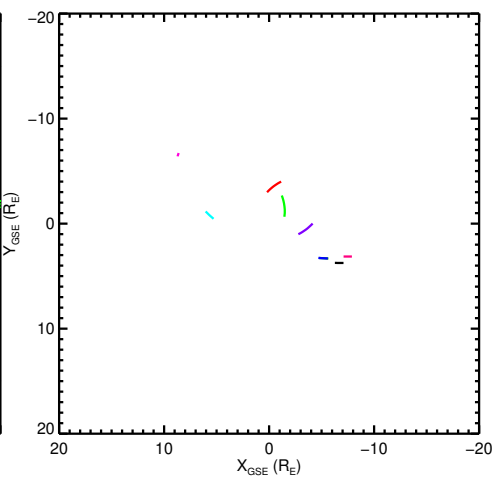




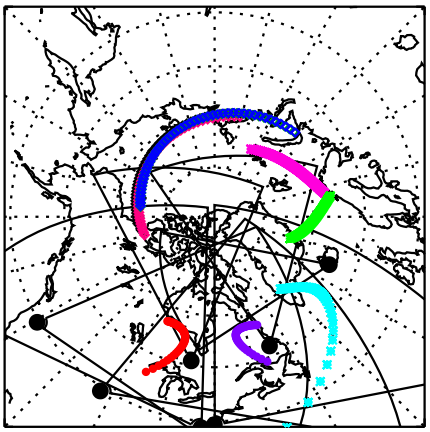
(b) 0215UT to 0300UT
cve fhe wal



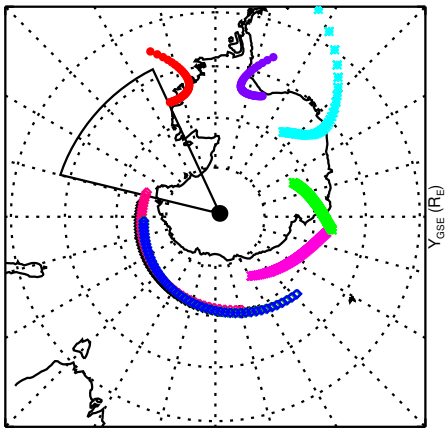


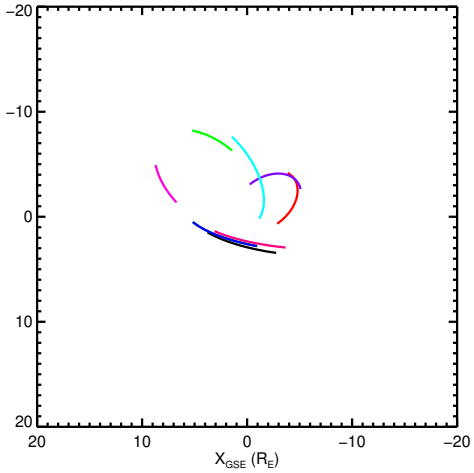


(c) 0505UT to 0910UT
bks cve fhe gbr kap sto wal

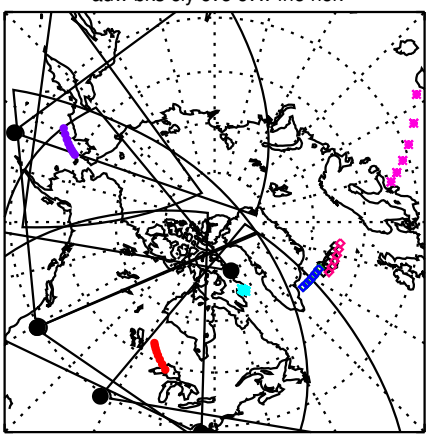


dce

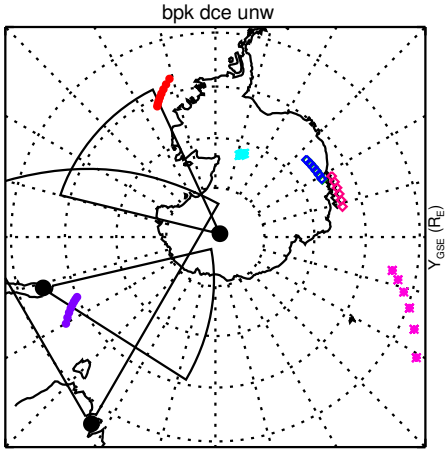


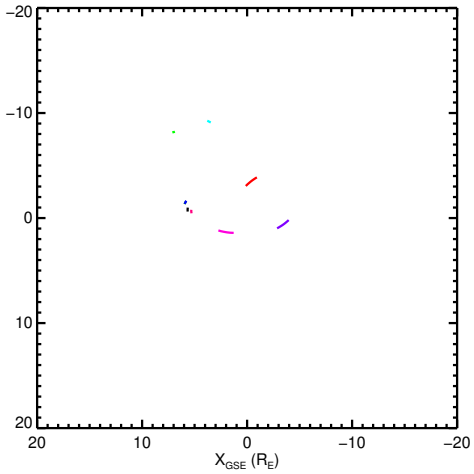


(d) 1120UT to 1155UT
adw bks cly cve cvw fhe hok

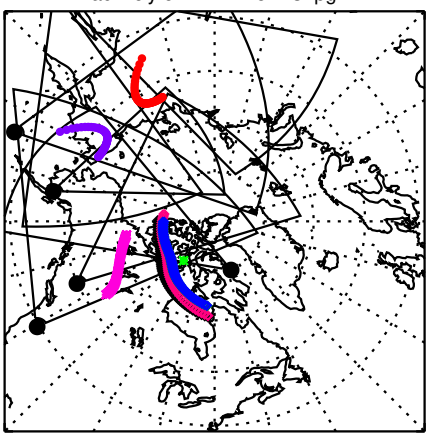


bpk dce unw

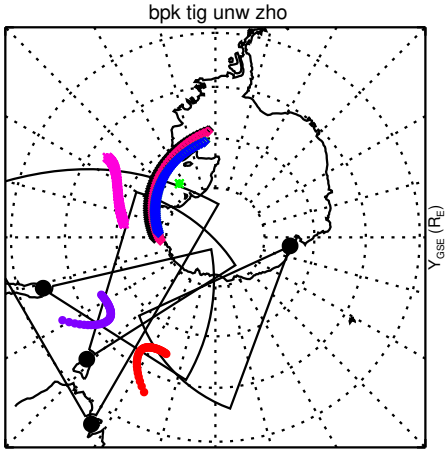


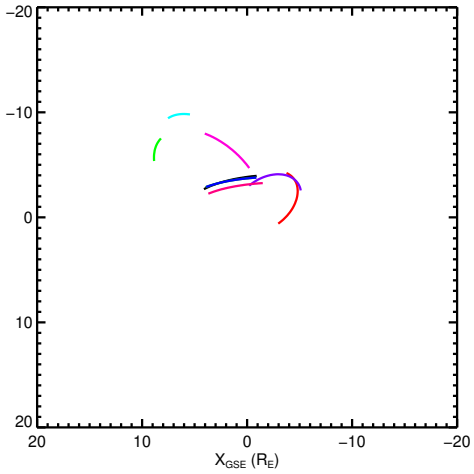


(e) 1405UT to 1815UT
adw cly cvw hkw hok ksr pgr

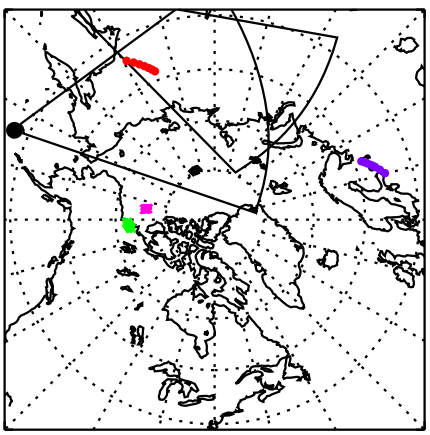


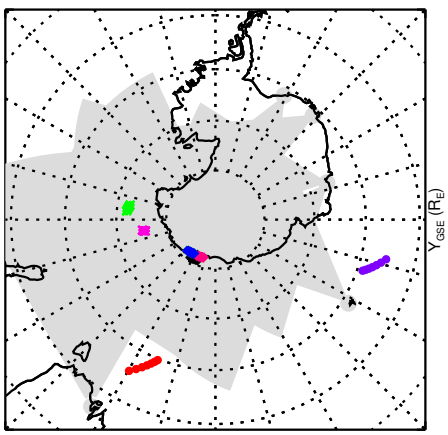
bpk tig unw zho

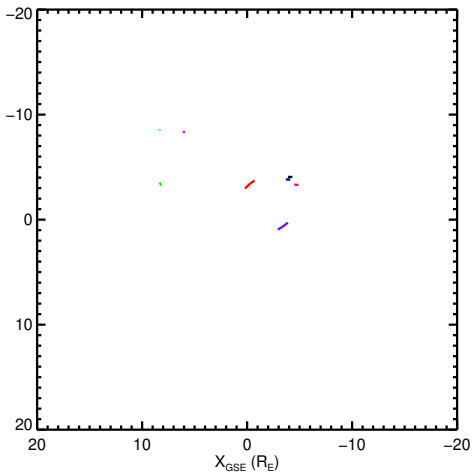




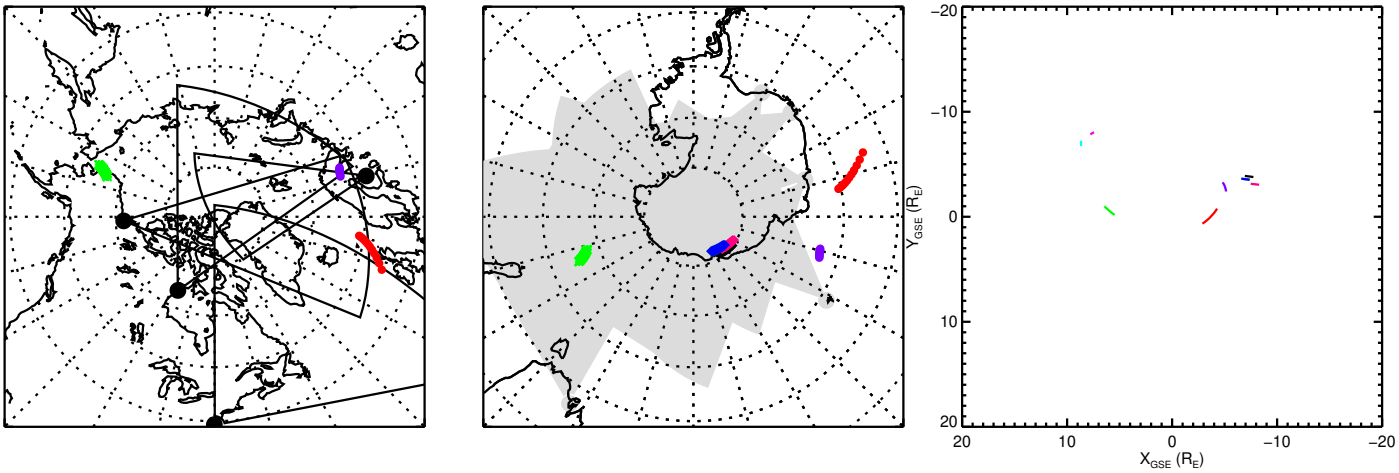
(f) 2025UT to 2055UT
adw hkw







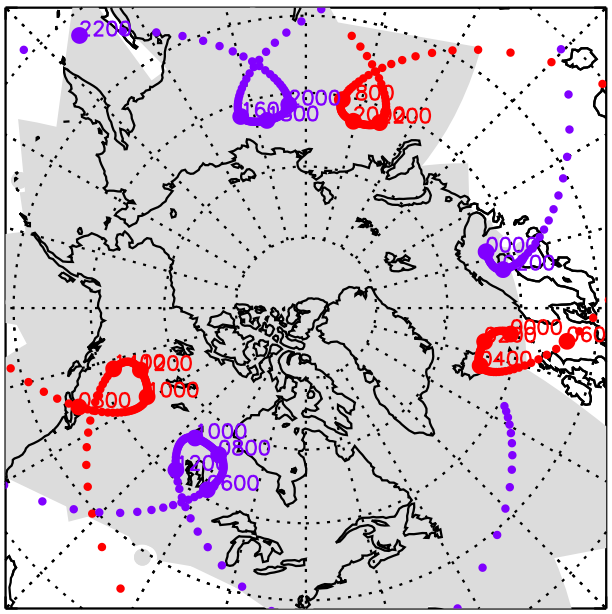
(g) 2300UT to 2355UT
han inv rkn wal

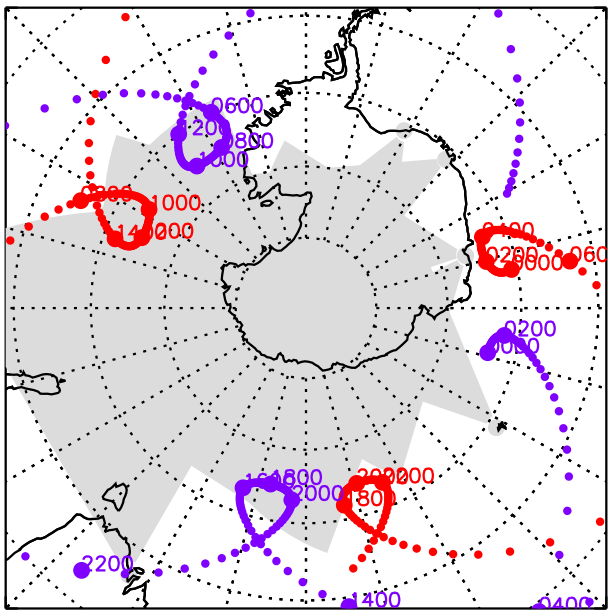


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

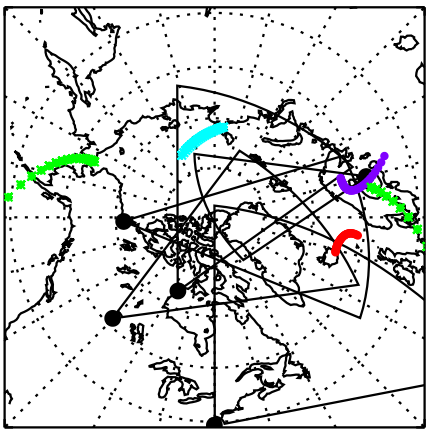
05–Sep–2016

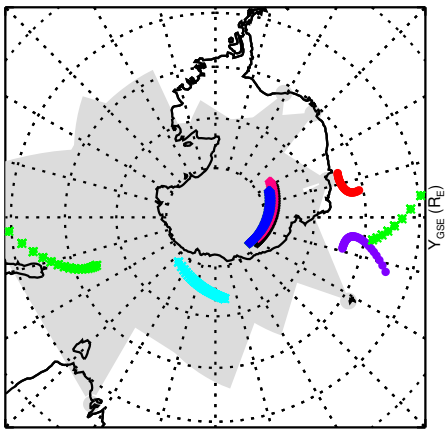
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

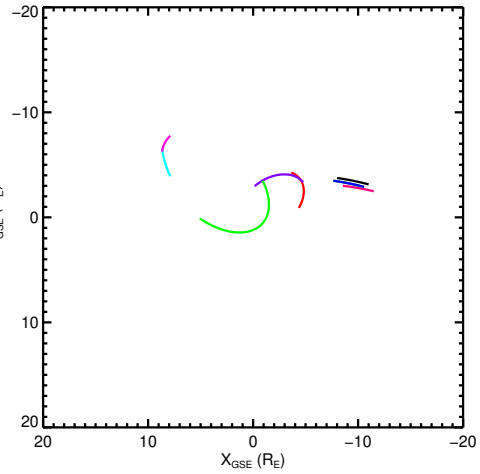




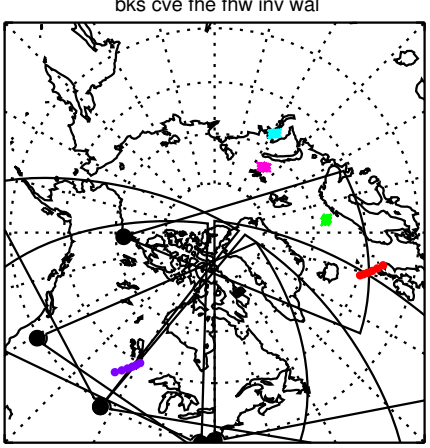
(a) 0000UT to 0320UT
han inv rkn sas wal



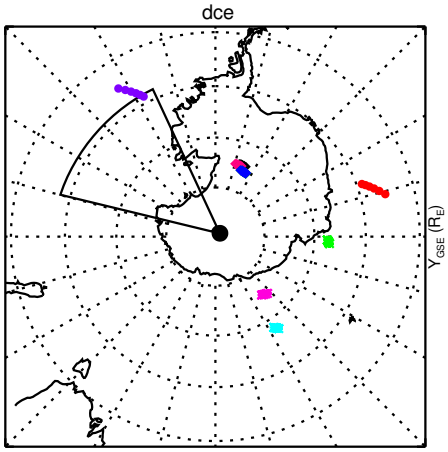


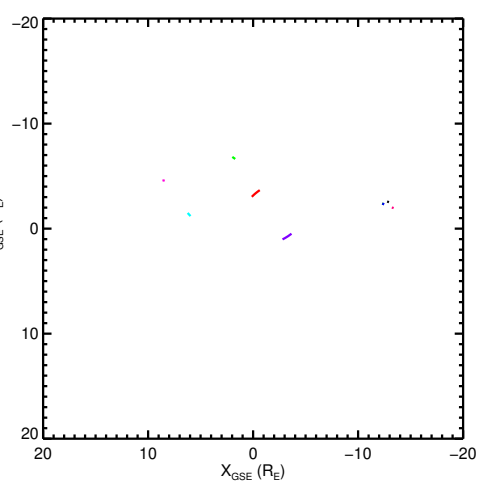


(b) 0525UT to 0550UT
bks cve fhe fhw inv wal

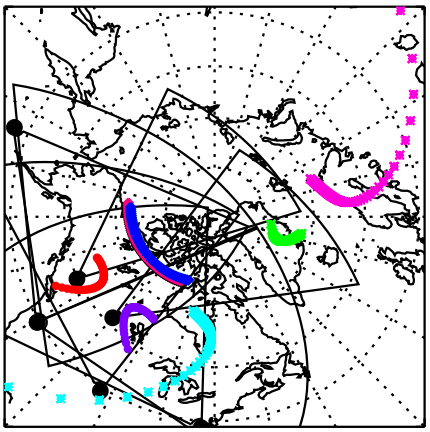


dce

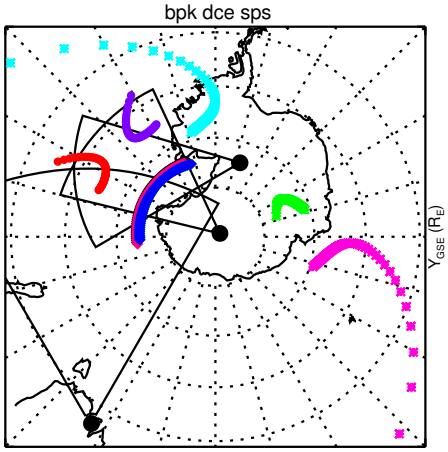


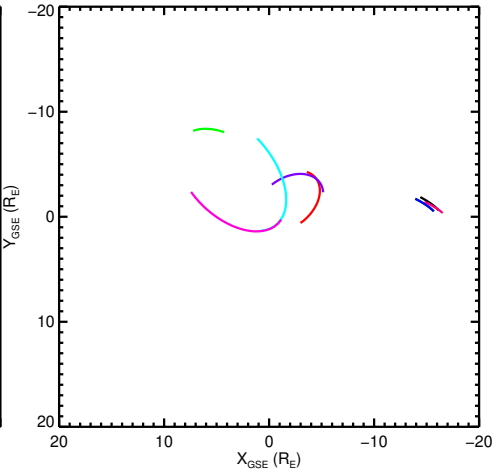


(c) 0800UT to 1220UT
ade bks cve cvw fhw pgr sas

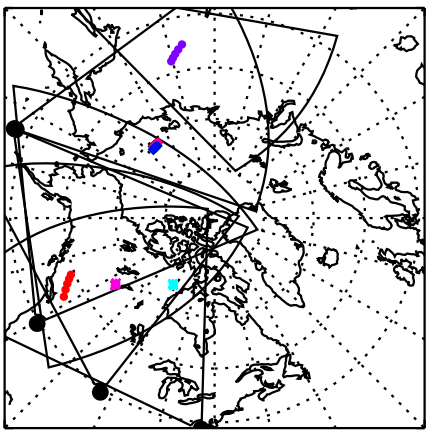


bpk dce sps

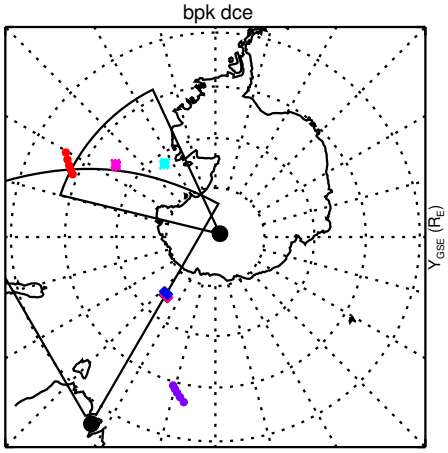


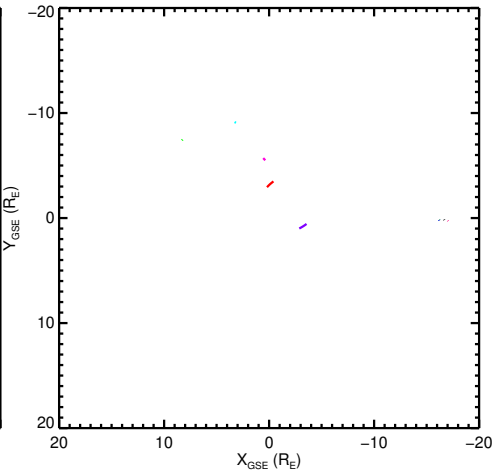


(d) 1430UT to 1450UT
ade adw bks cvw fhw hkw

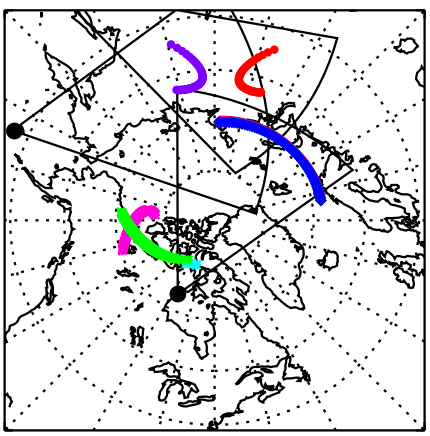


bpk dce

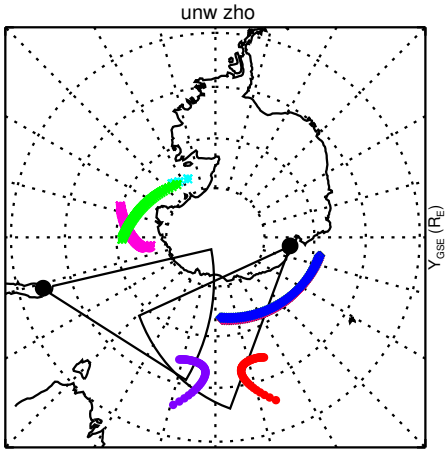


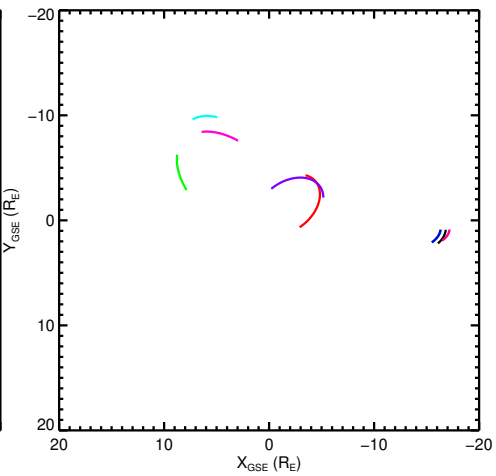


(e) 1655UT to 2125UT
adw hkw rkn

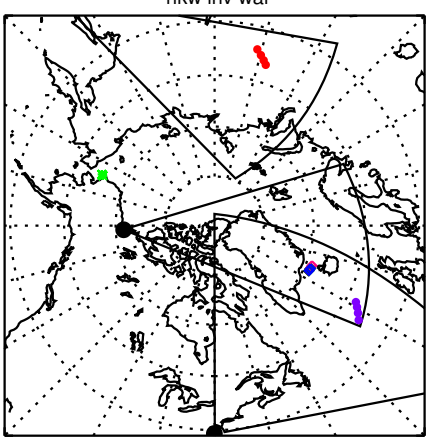


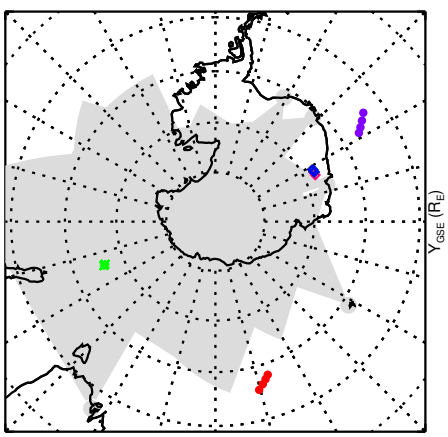
unw zho

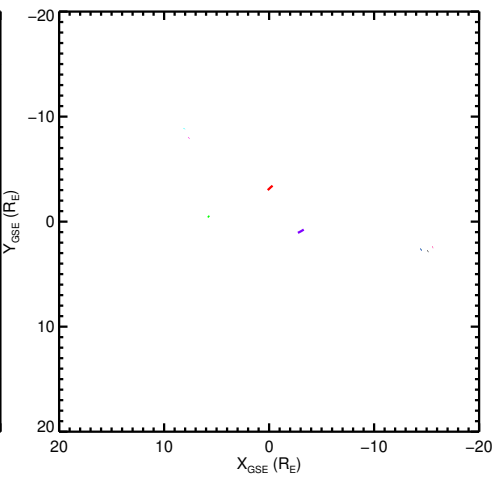




(f) 2330UT to 2345UT
hkw inv wal



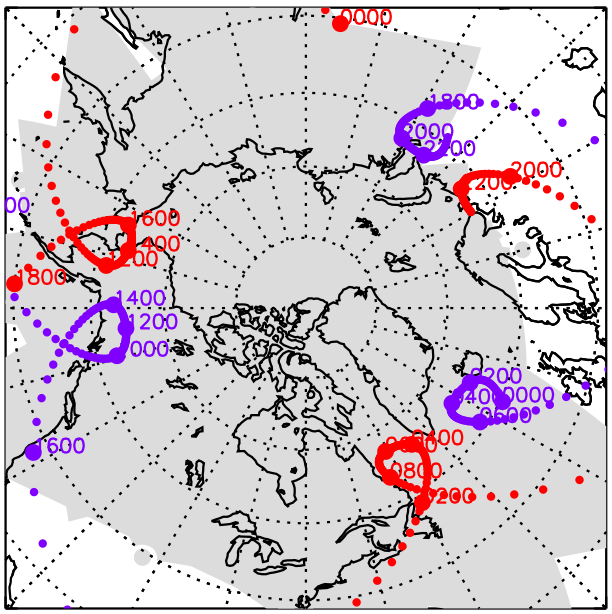


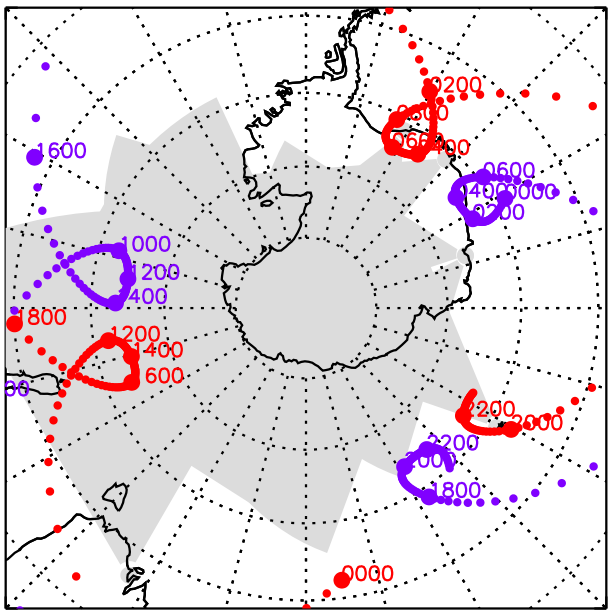


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

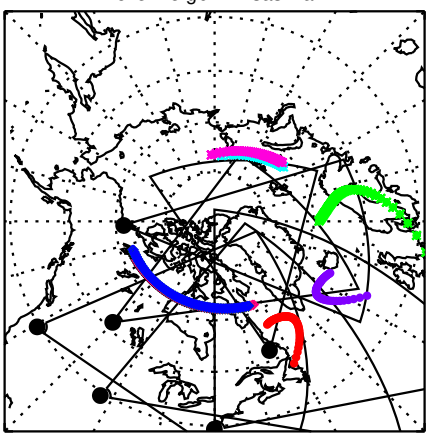
06–Sep–2016

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

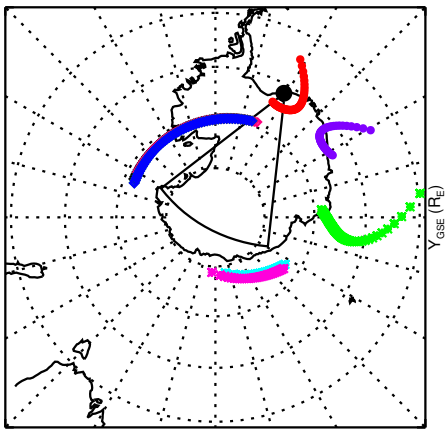


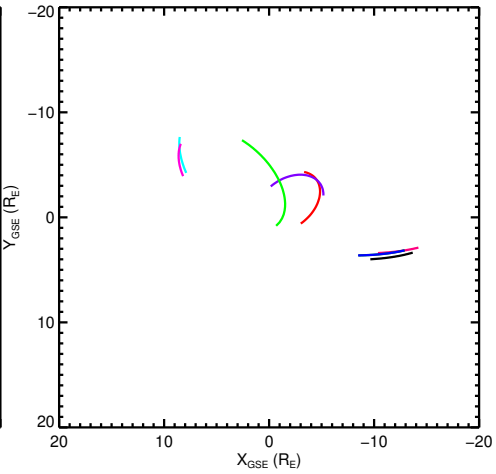


(a) 0155UT to 0630UT
cve fhe gbr inv sas wal

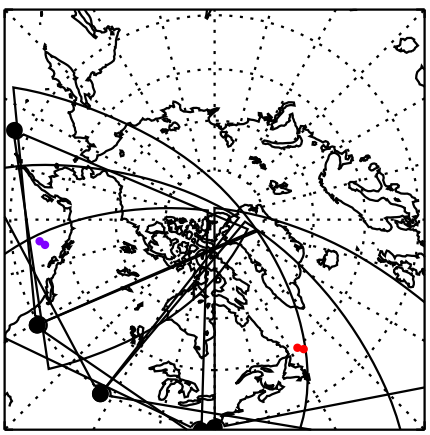


hal

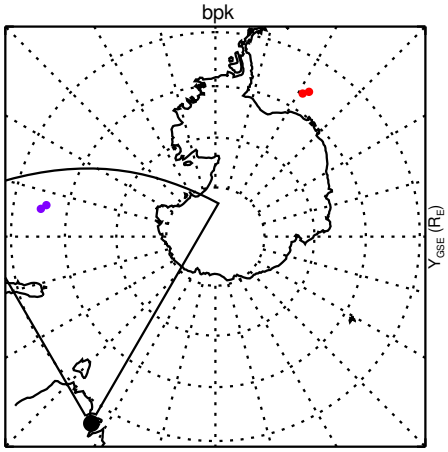


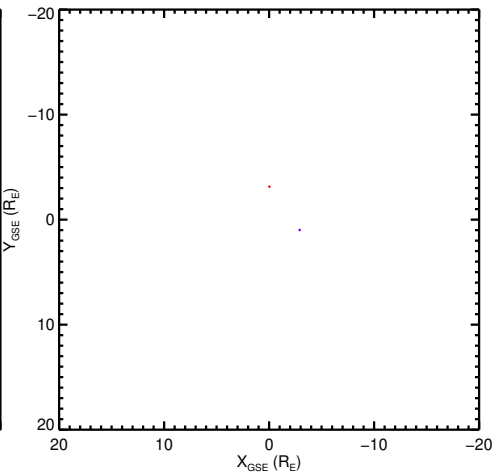


(b) 0835UT to 0840UT
ade bks cve cvw fhe fhw wal

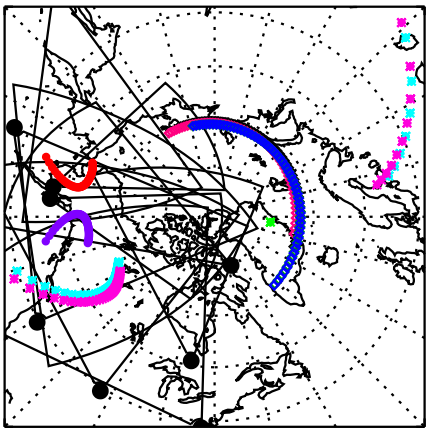


bpk

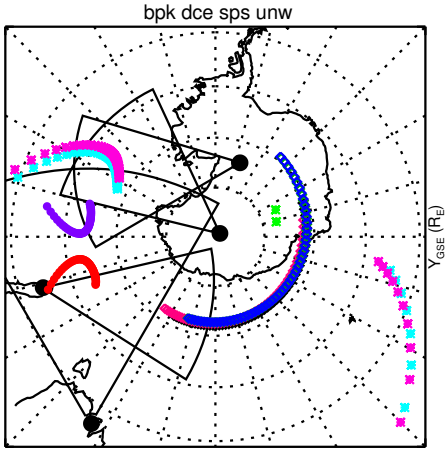


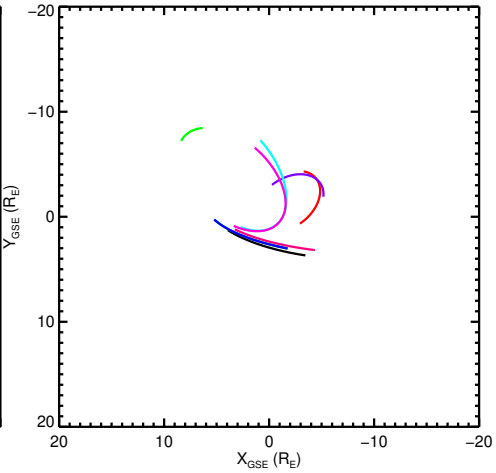


(c) 1050UT to 1530UT
ade bks cly cvw fhw hok kap kod ksr

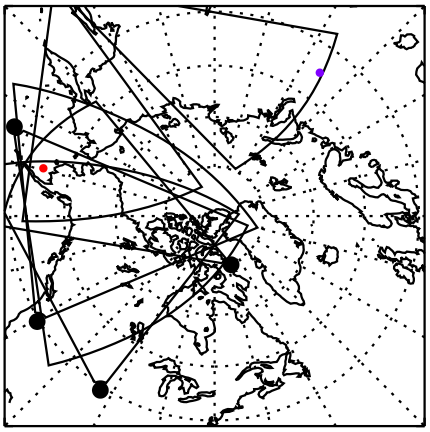


bpk dce sps unw

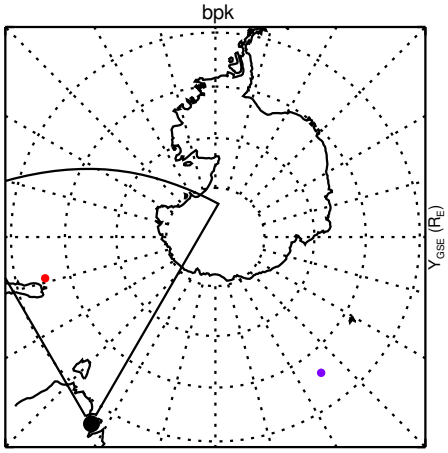


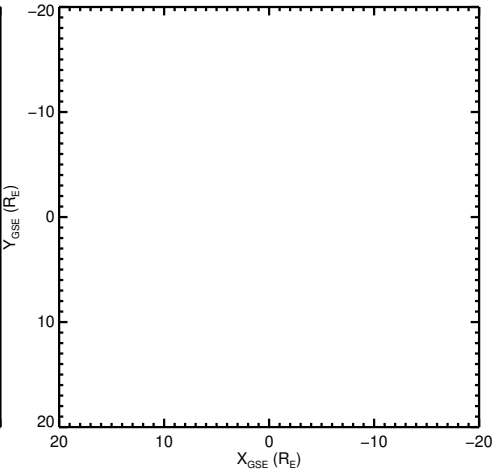


(d) 1740UT to 1740UT
ade cly cvw fhw hkw hok

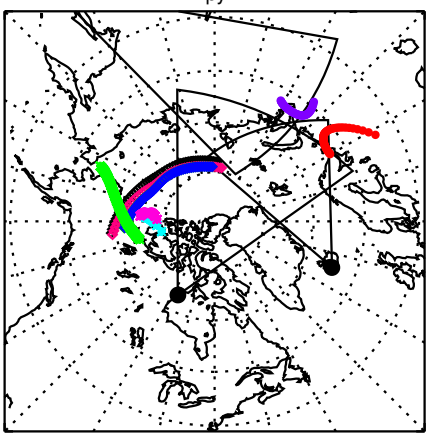


bpk

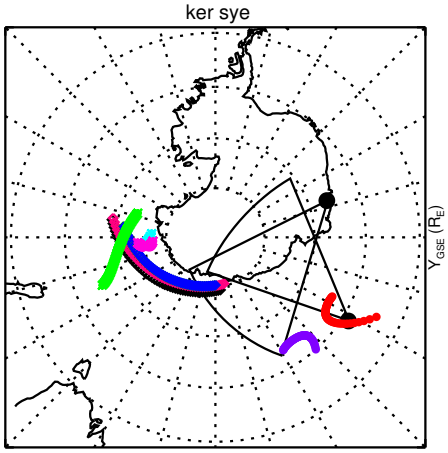


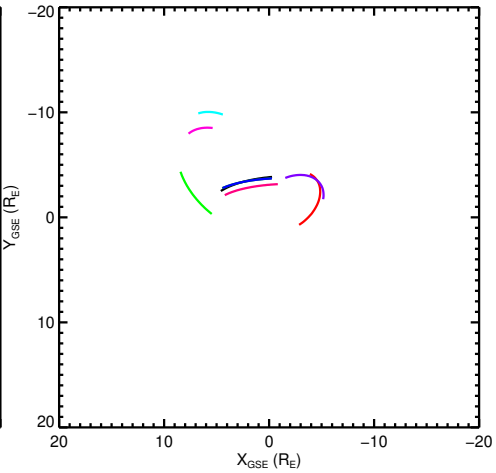


(e) 1945UT to 2355UT
hkw pyk rkn



ker sye

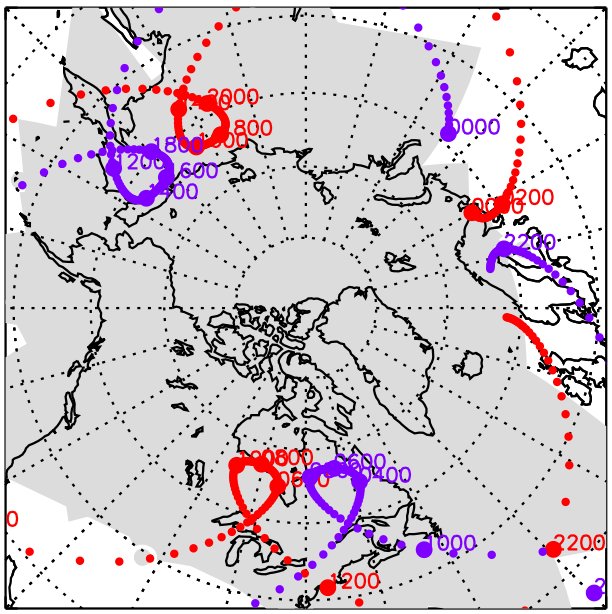


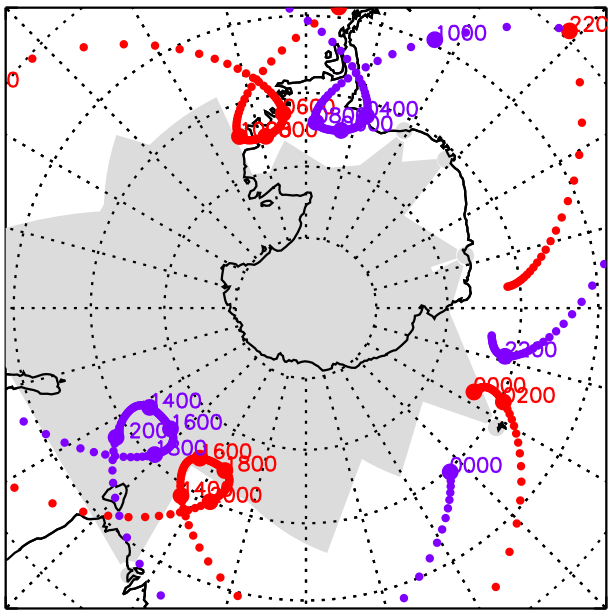


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

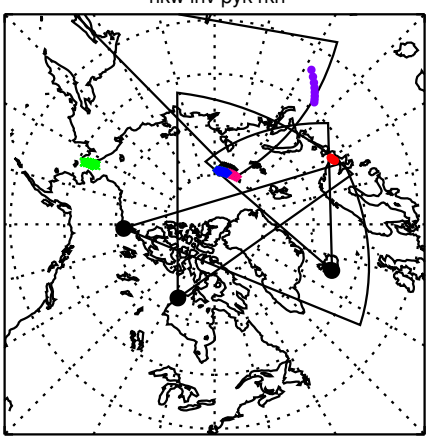
07–Sep–2016

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

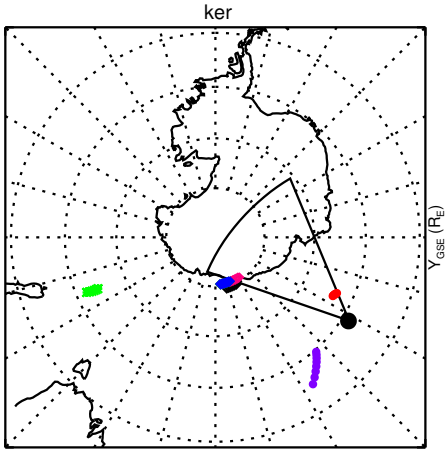


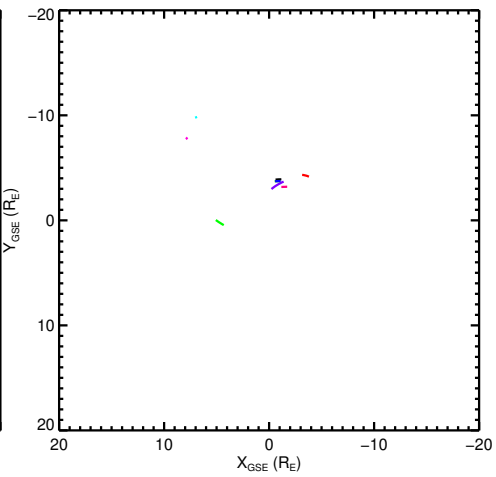


(a) 0000UT to 0035UT
hkw inv pyk rkn

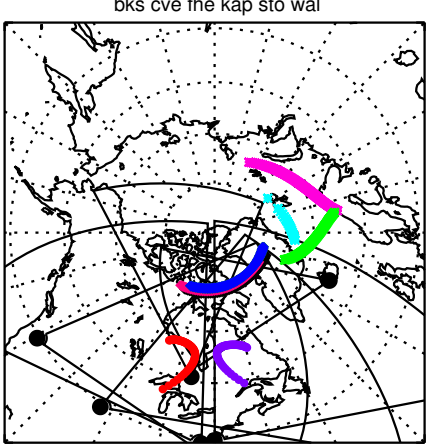


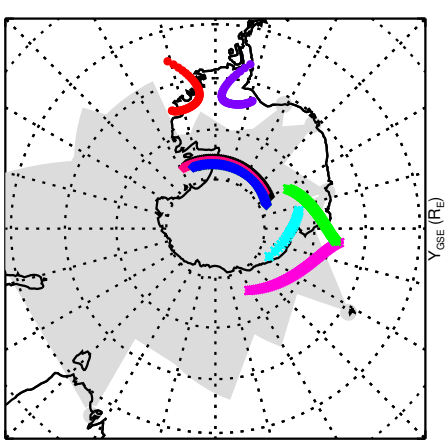
ker

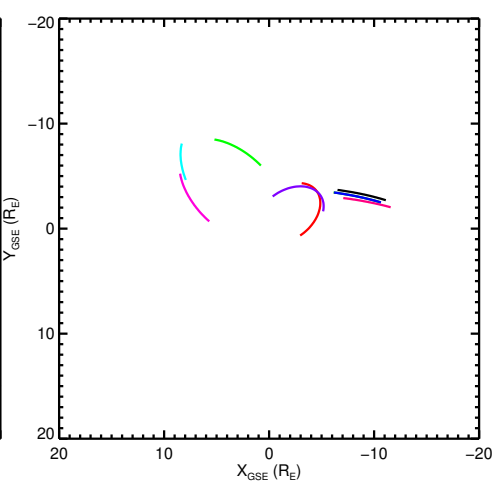




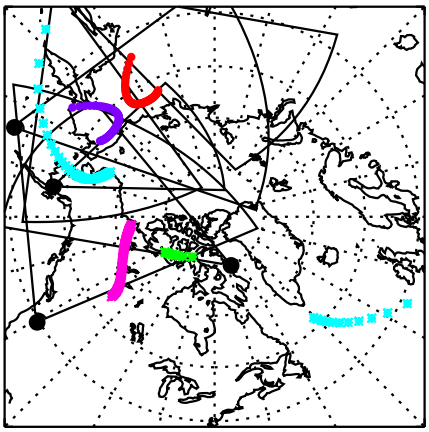
(b) 0445UT to 0935UT
bks cve fhe kap sto wal



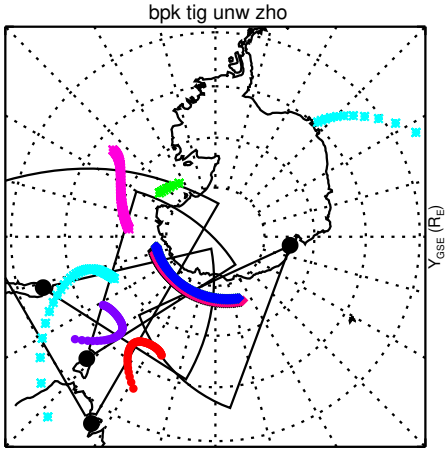


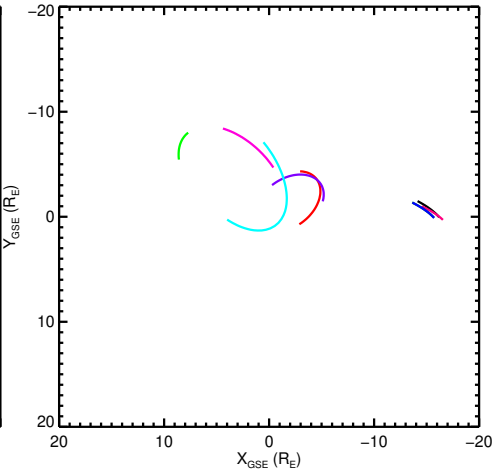


(c) 1340UT to 1840UT
adw cly cvw hkw hok ksr

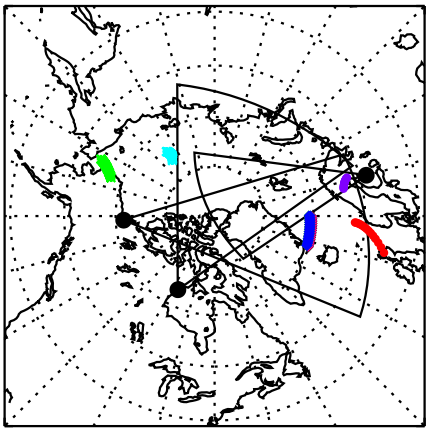


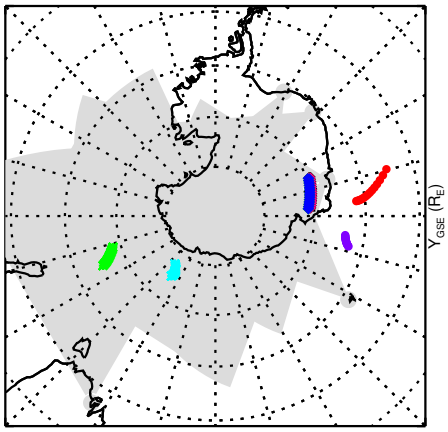
bpk tig unw zho

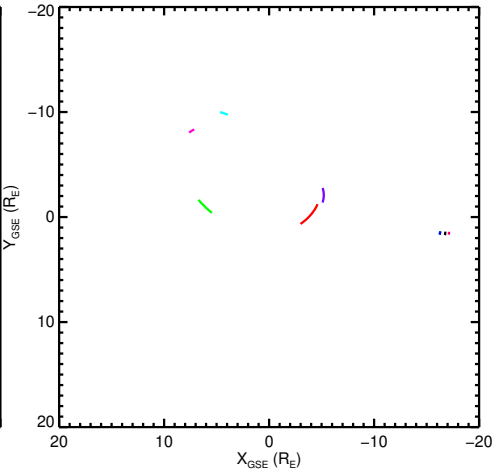




(d) 2240UT to 2355UT
han inv rkn



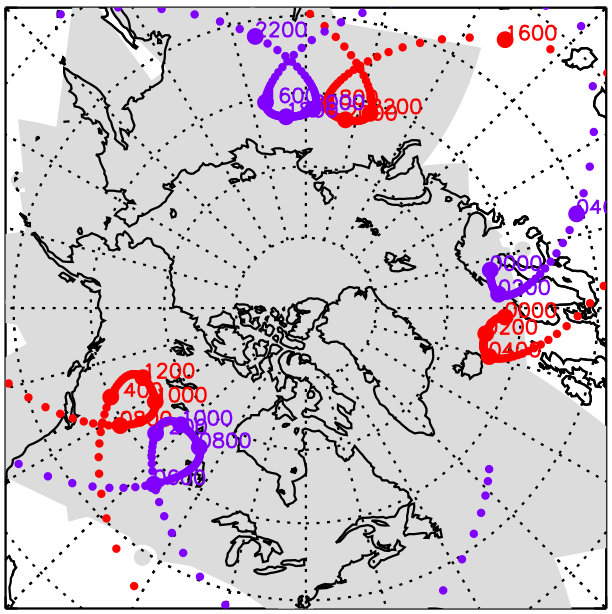


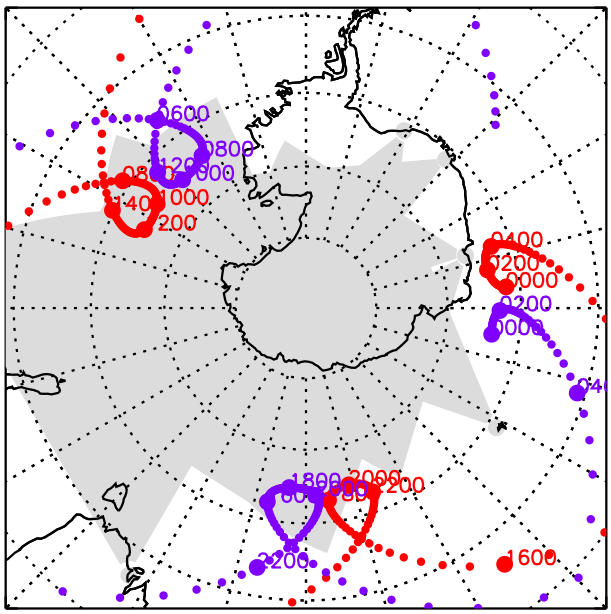


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

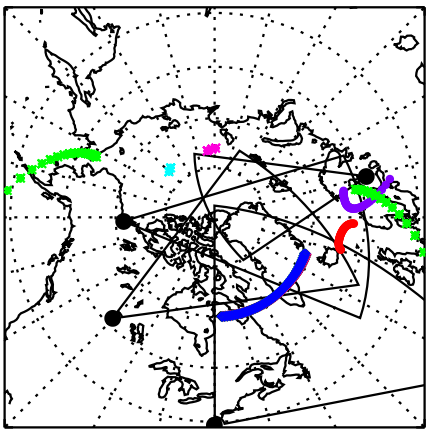
08–Sep–2016

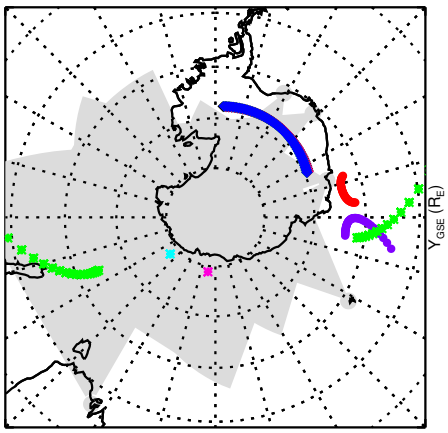
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

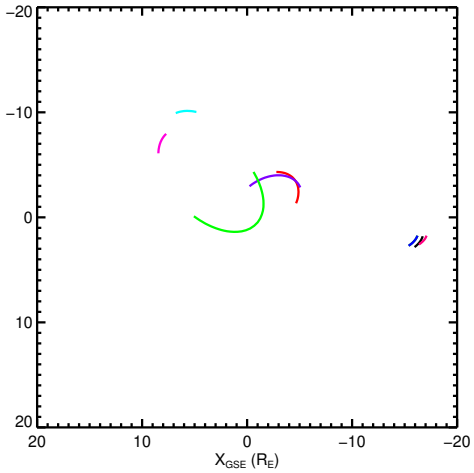




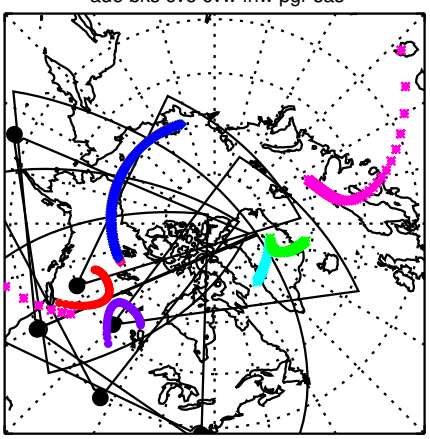
(a) 0000UT to 0345UT
han inv sas wal



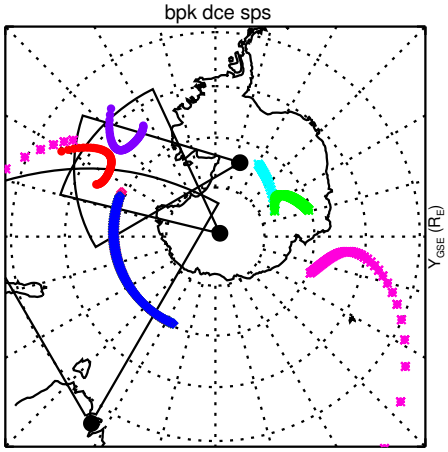


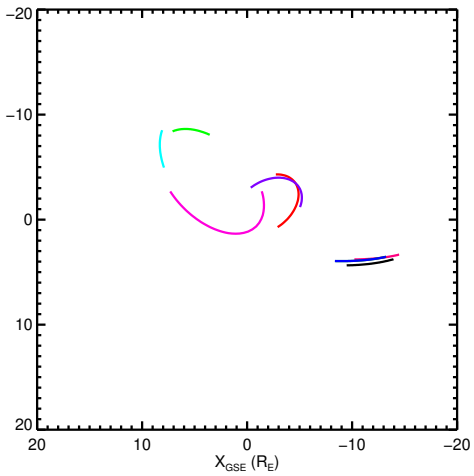


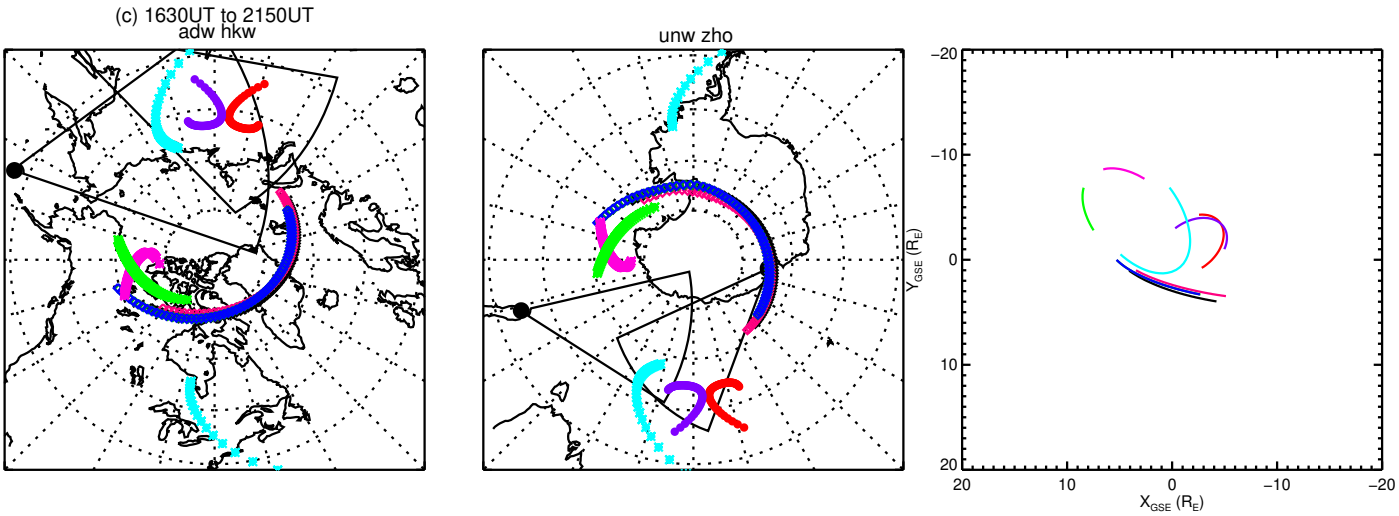
(b) 0735UT to 1245UT
ade bks cve cvw fhw pgr sas



bpk dce sps



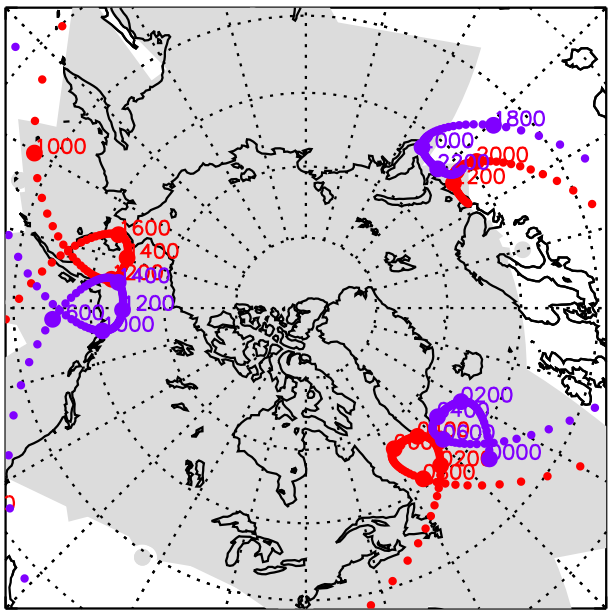


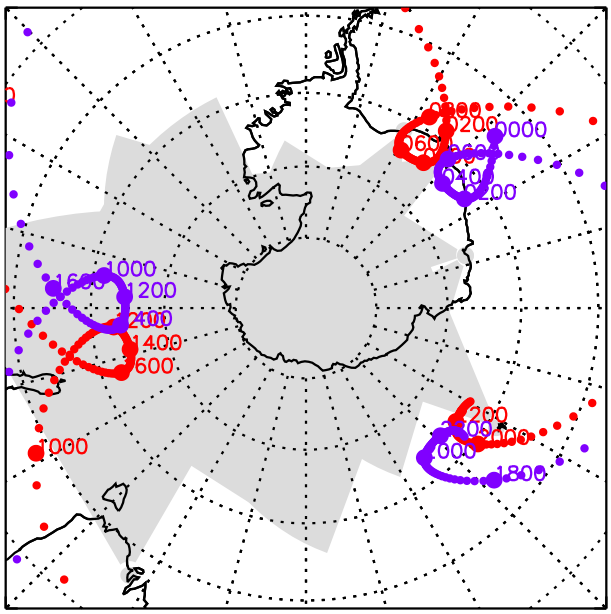

(c) 1630UT to 2150UT
adw hkw
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

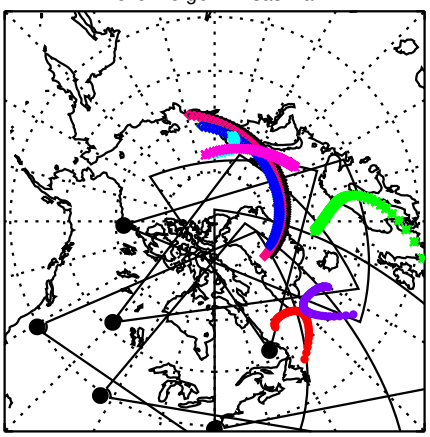
09–Sep–2016

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

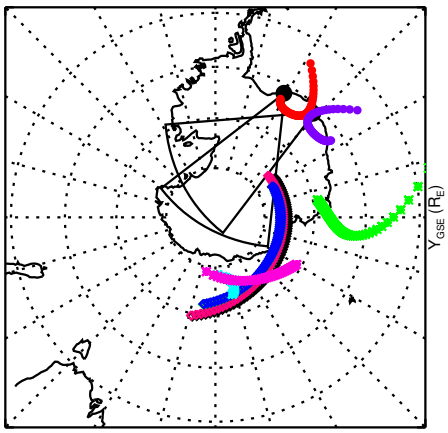


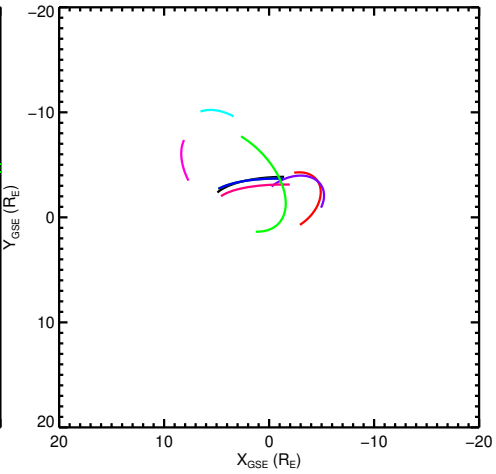


(a) 0130UT to 0655UT
cve fhe gbr inv sas wal

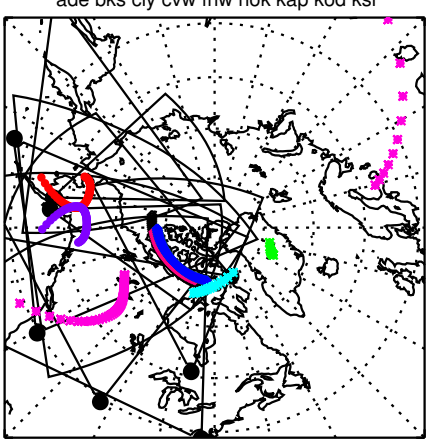


hal san

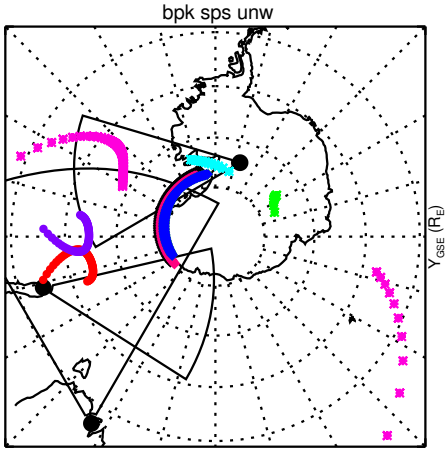


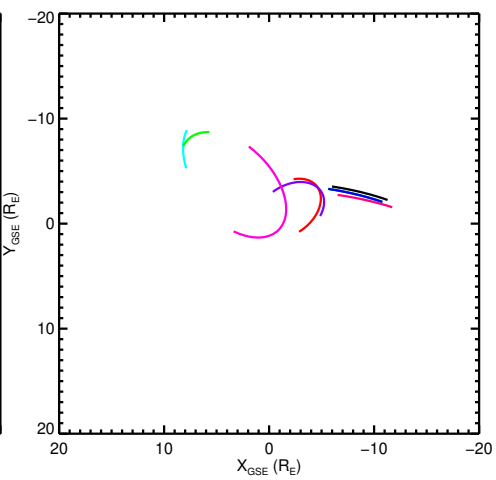


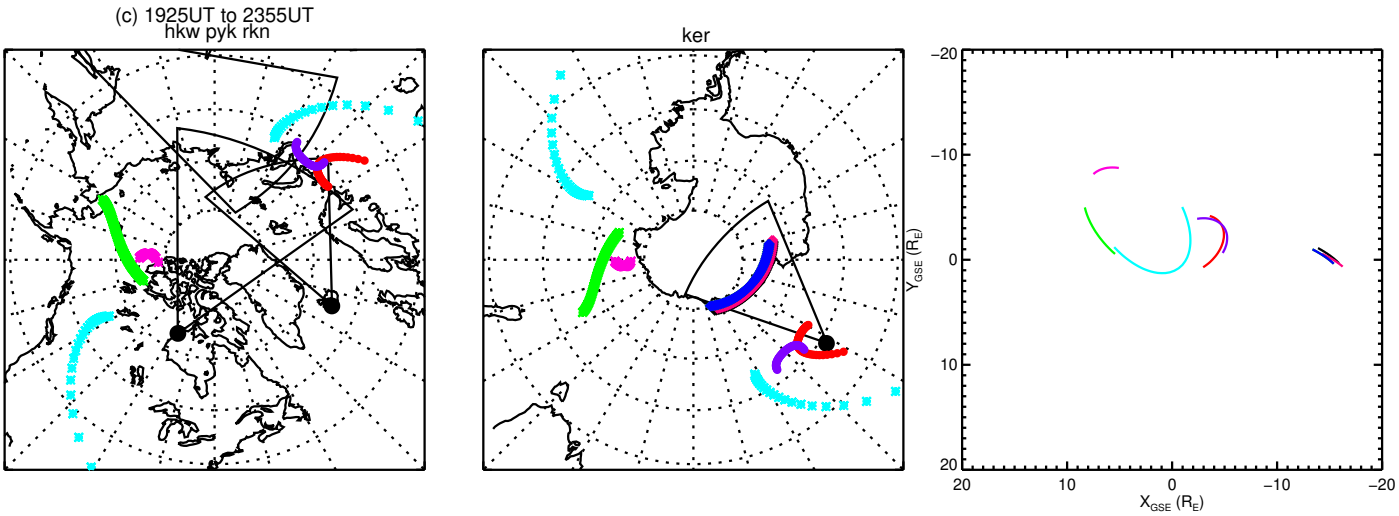
(b) 1025UT to 1555UT
ade bks cly cvw fhw hok kap kod ksr



bpk sps unw



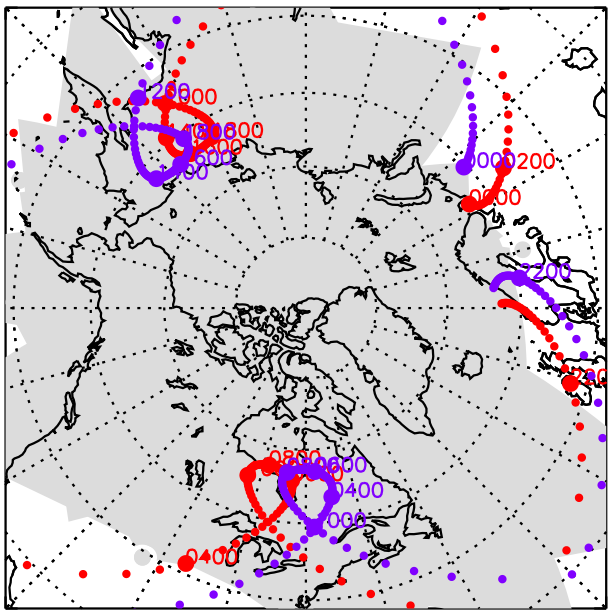


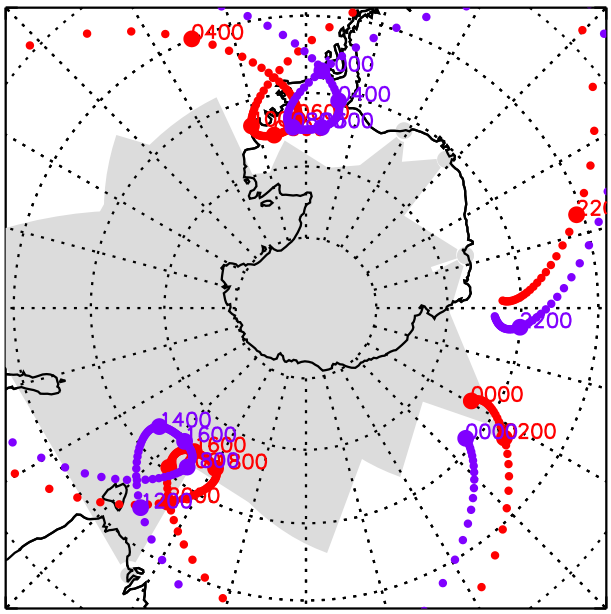

(c) 1925UT to 2355UT
hkw pyk rkn
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

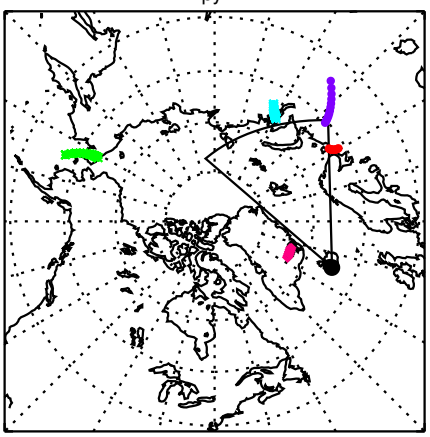
10–Sep–2016

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

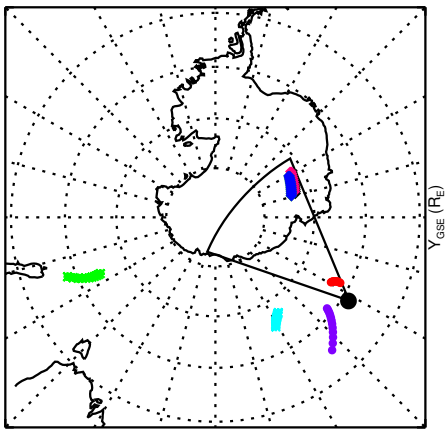


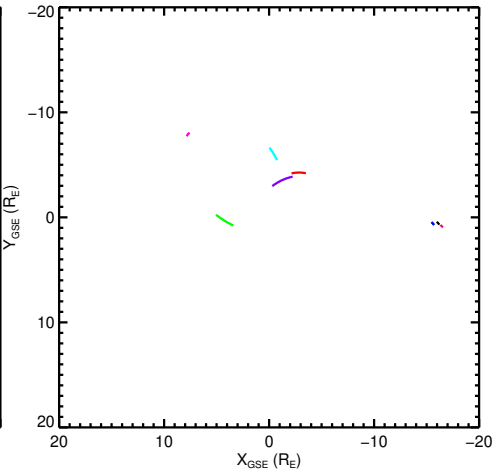


(a) 0000UT to 0100UT
pyk

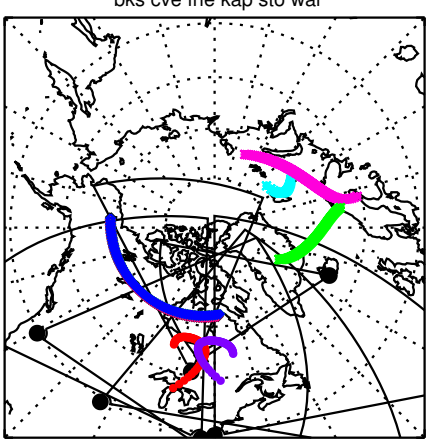


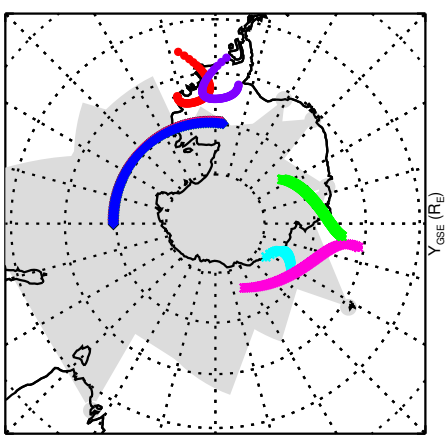
ker

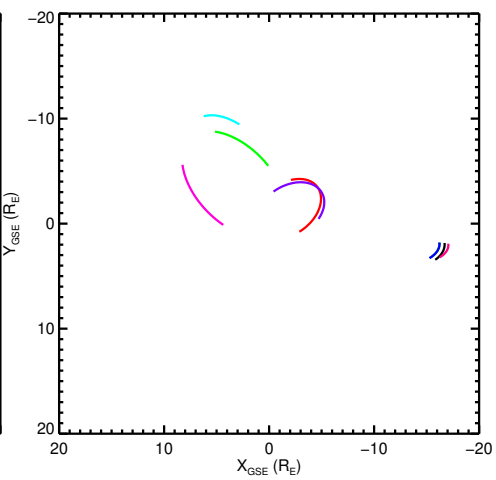




(b) 0420UT to 1000UT
bks cve fhe kap sto wal

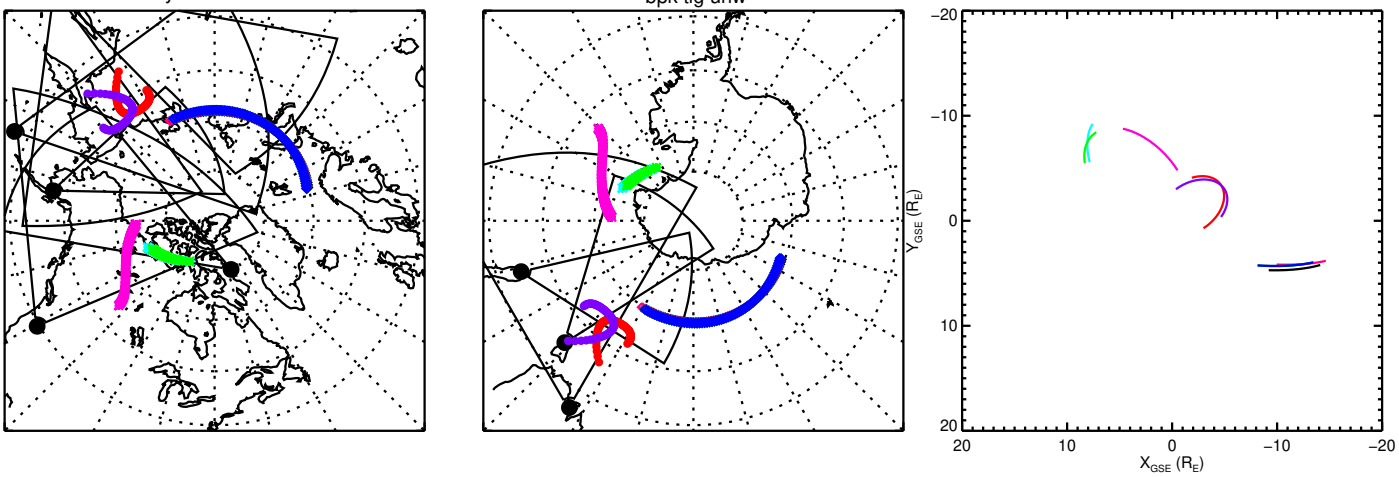




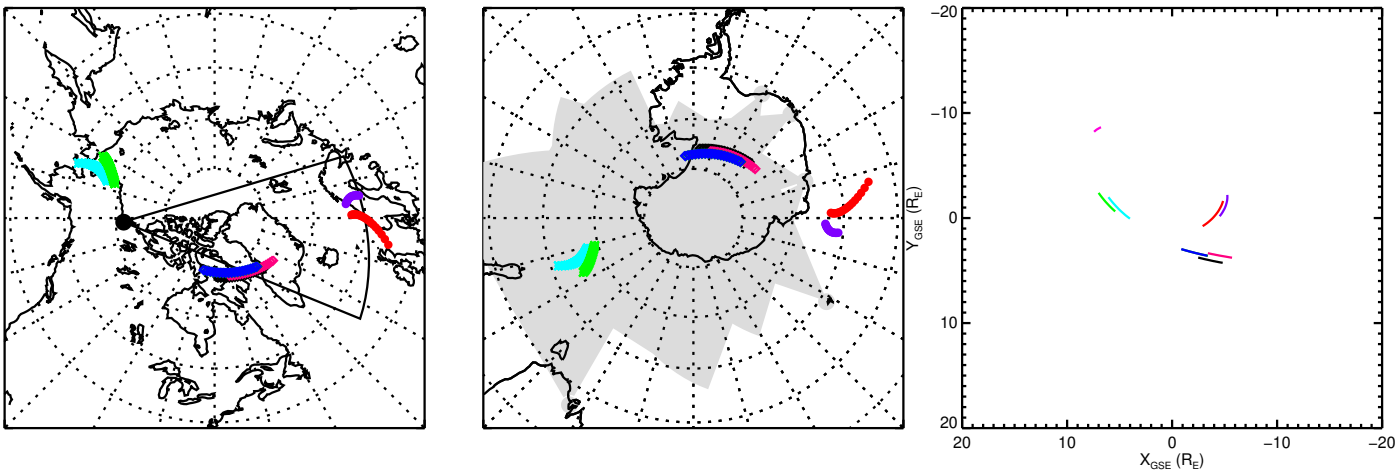


(c) 1320UT to 1905UT
adw cly cvw hkw hok ksr

bpk tig unw



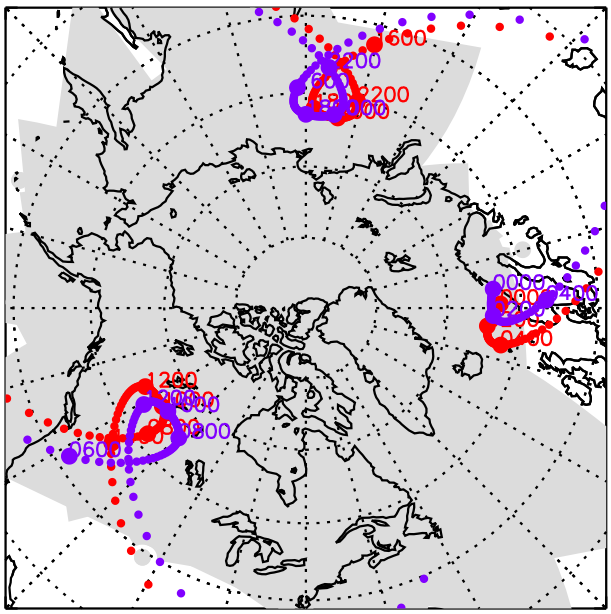
(d) 2215UT to 2355UT
inv

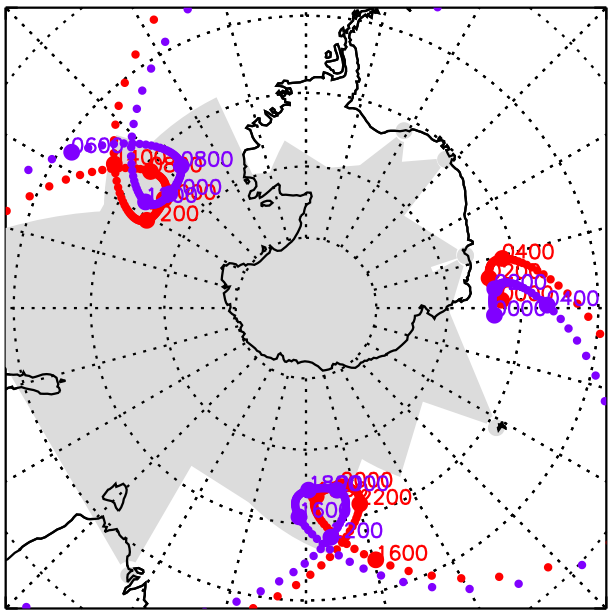


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

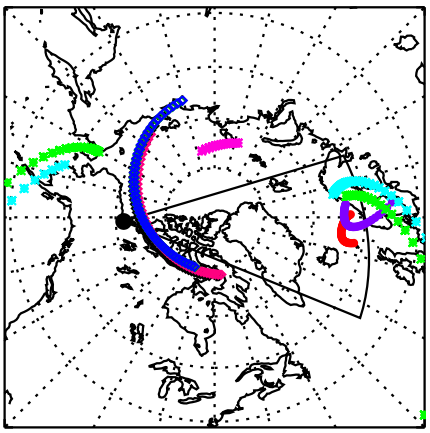
11–Sep–2016

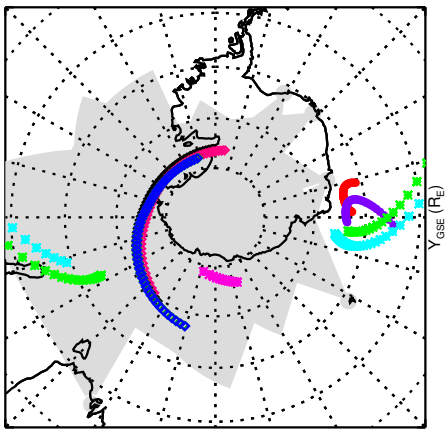
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

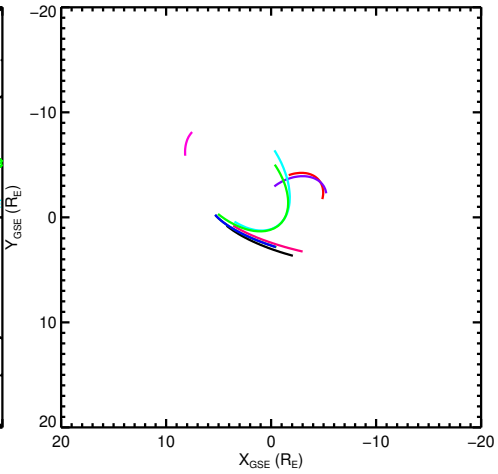




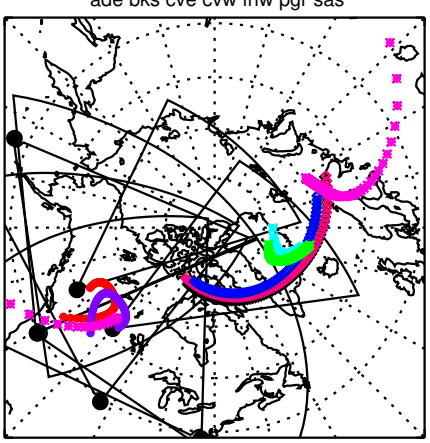
(a) 0000UT to 0410UT
inv



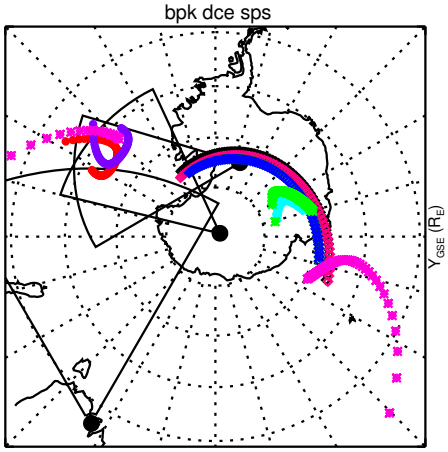


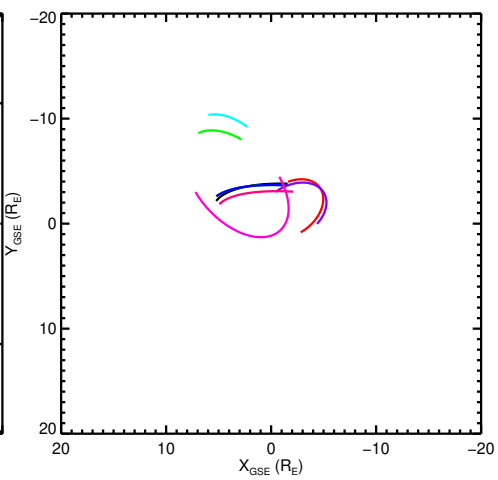


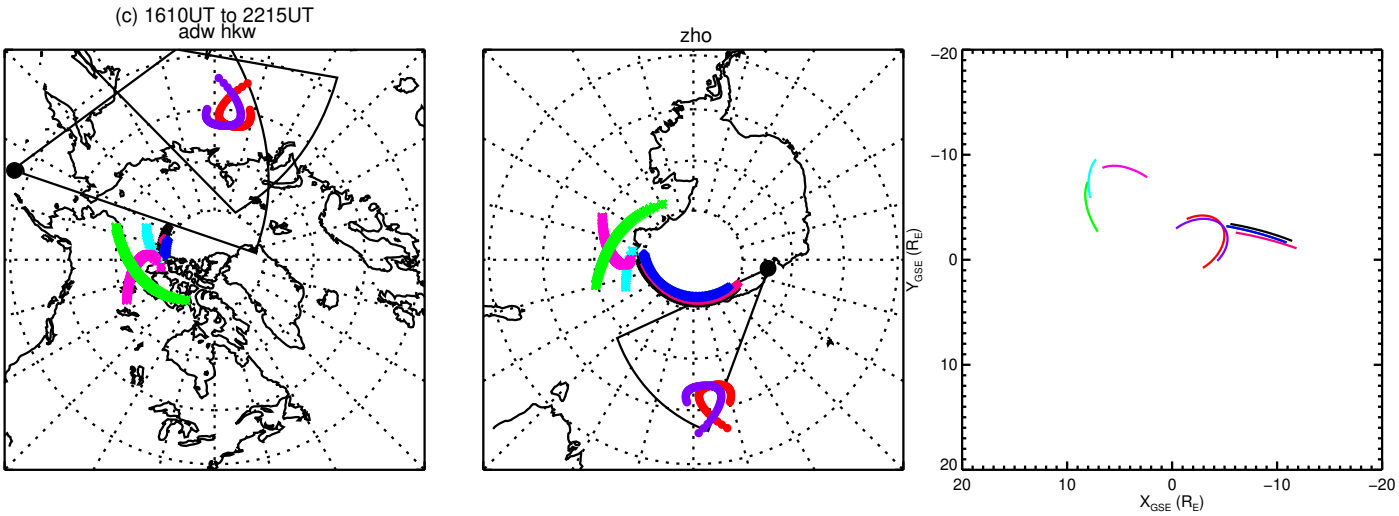
(b) 0710UT to 1310UT
ade bks cve cvw fhw pgr sas



bpk dce sps



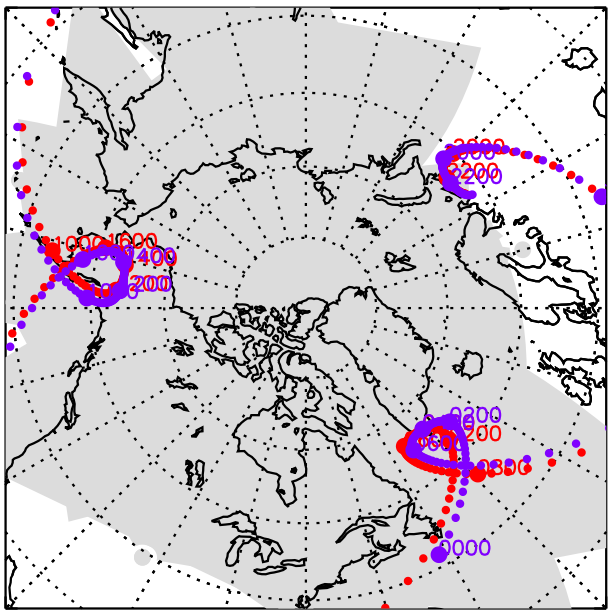


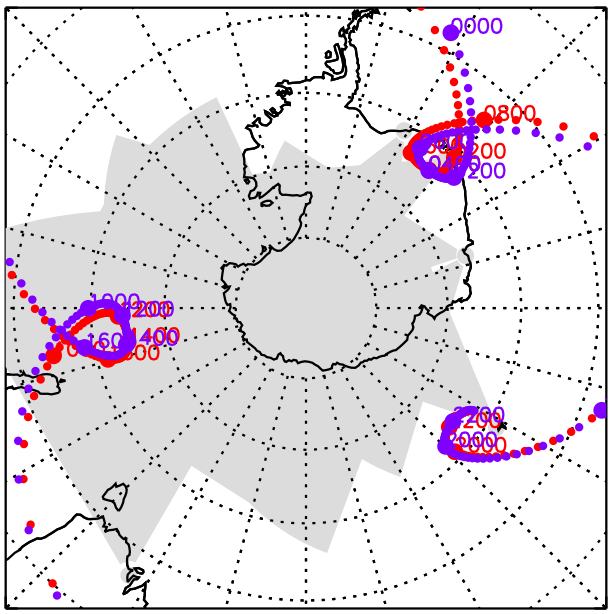

(c) 1610UT to 2215UT
adw hkw
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

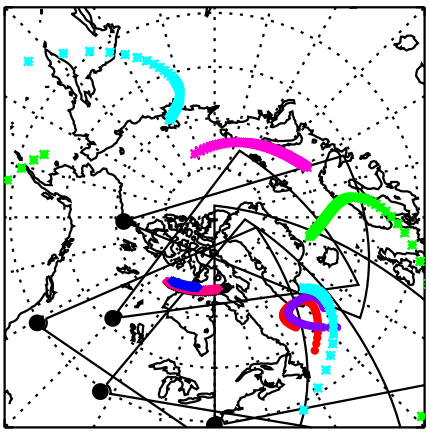
12–Sep–2016

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

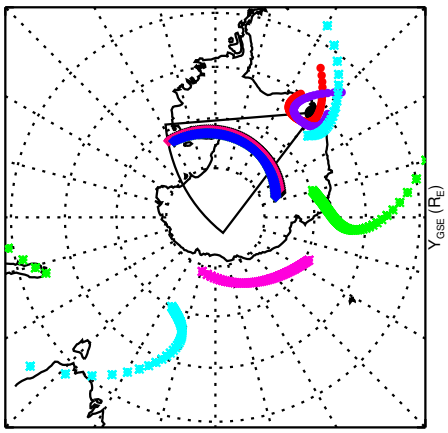


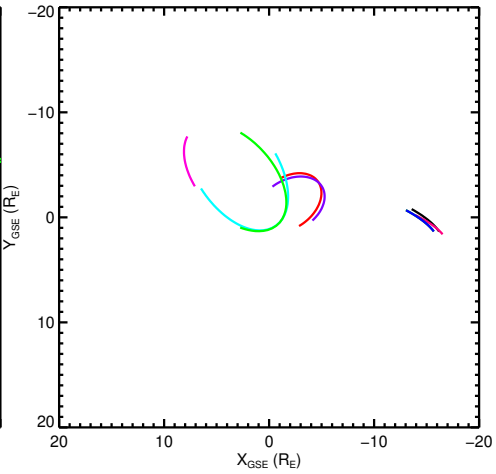


(a) 0105UT to 0720UT
cve fhe inv sas wal

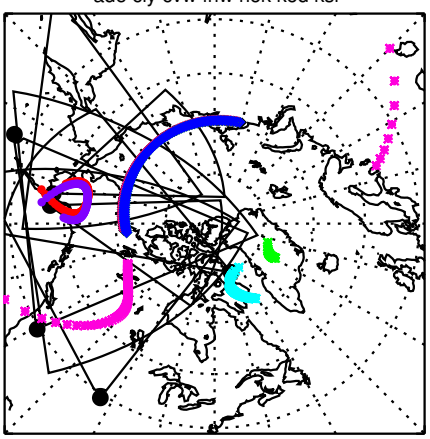


san

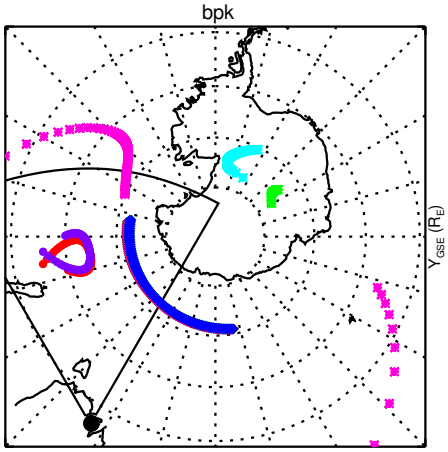


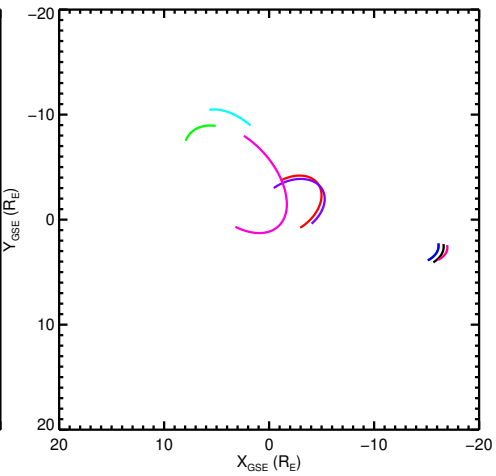


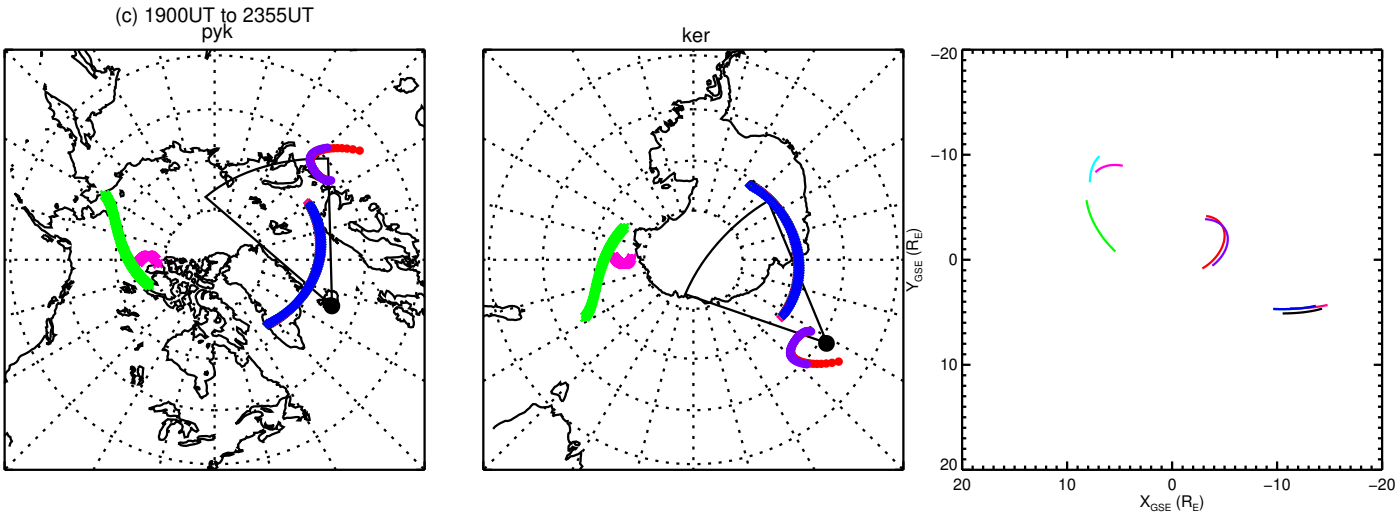
(b) 1005UT to 1620UT
ade cly cvw fhw hok kod ksr



bpk



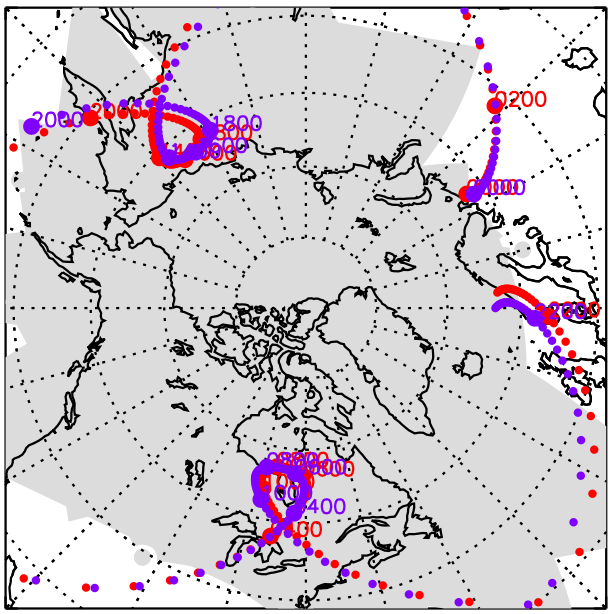


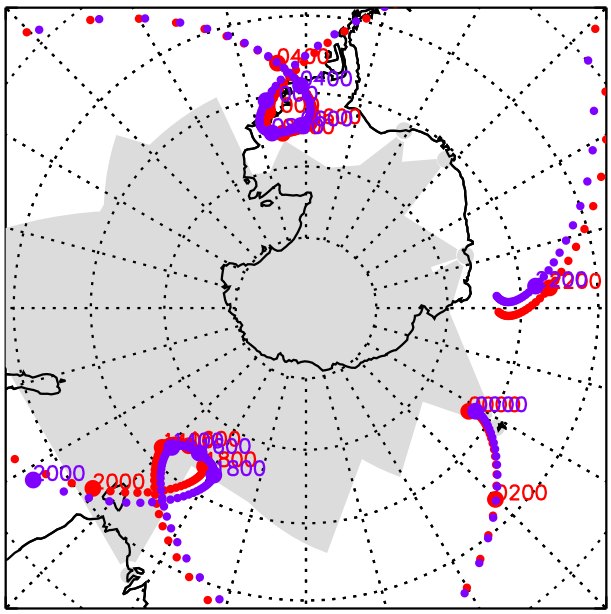

(c) 1900UT to 2355UT
pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

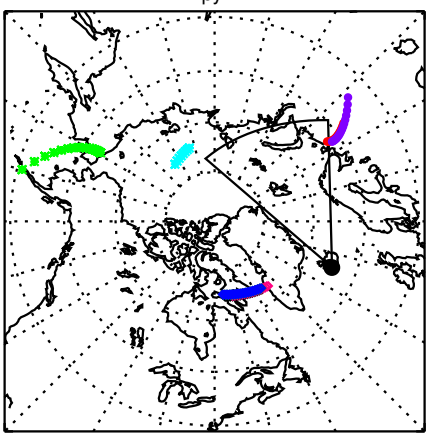
13–Sep–2016

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

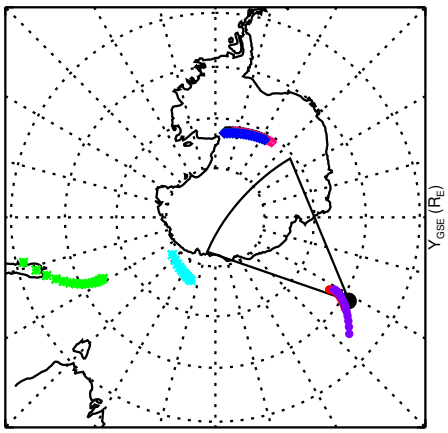


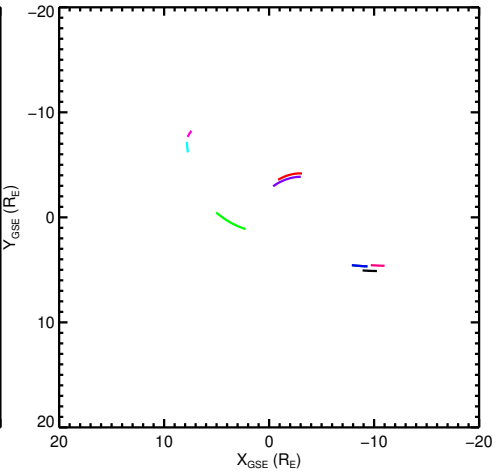


(a) 0000UT to 0125UT
pyk

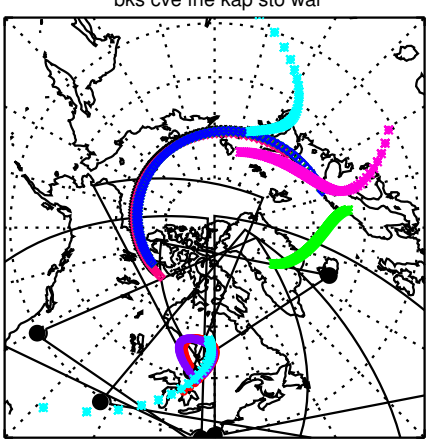


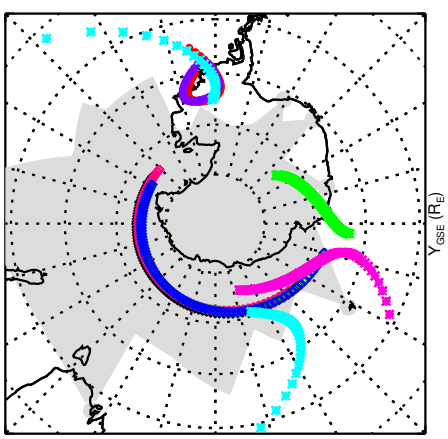
ker

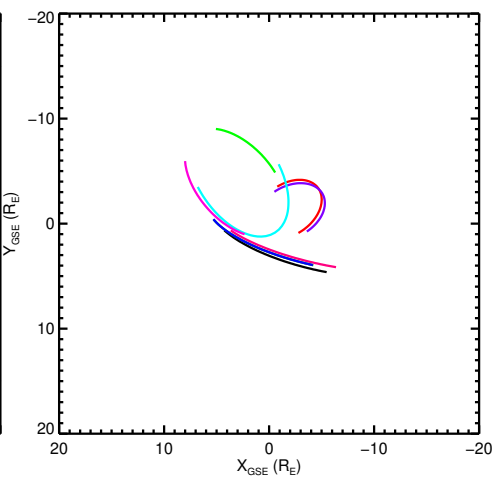




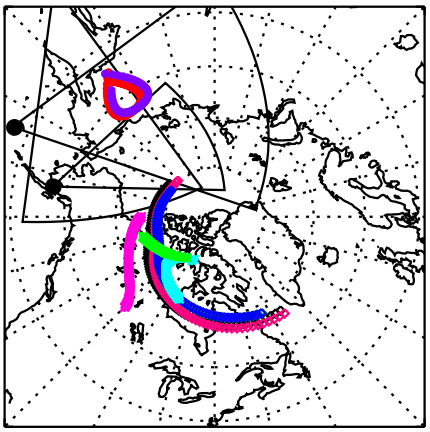
(b) 0355UT to 1025UT
bks cve fhe kap sto wal



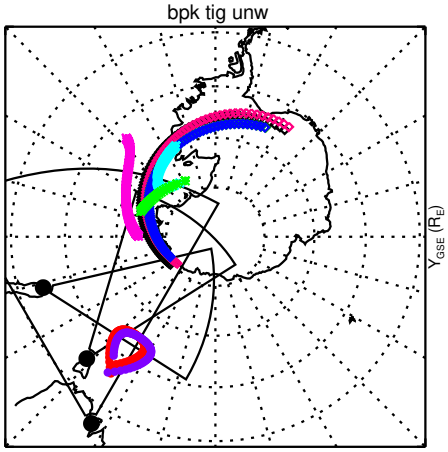


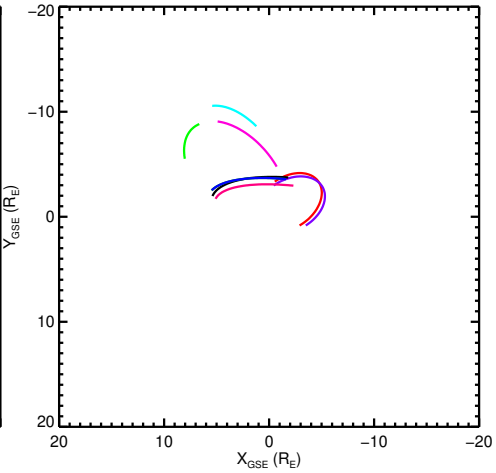


(c) 1255UT to 1930UT
adw hok ksr

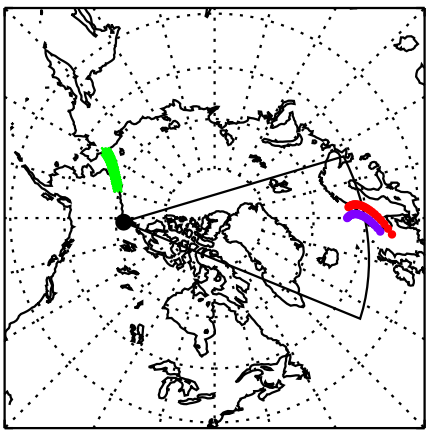


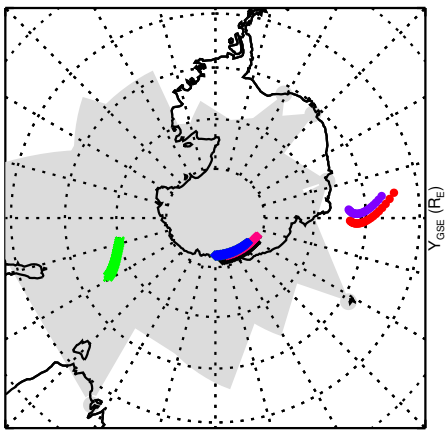
bpk tig unw

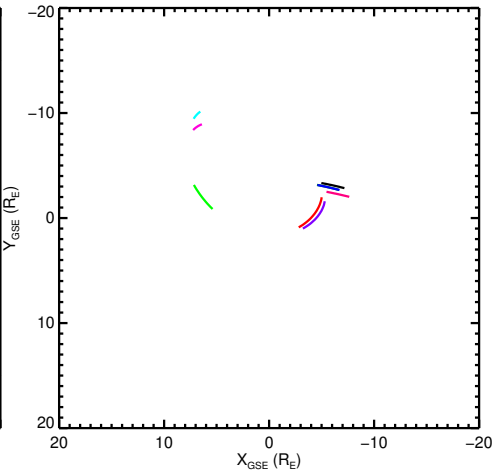




(d) 2150UT to 2355UT
inv



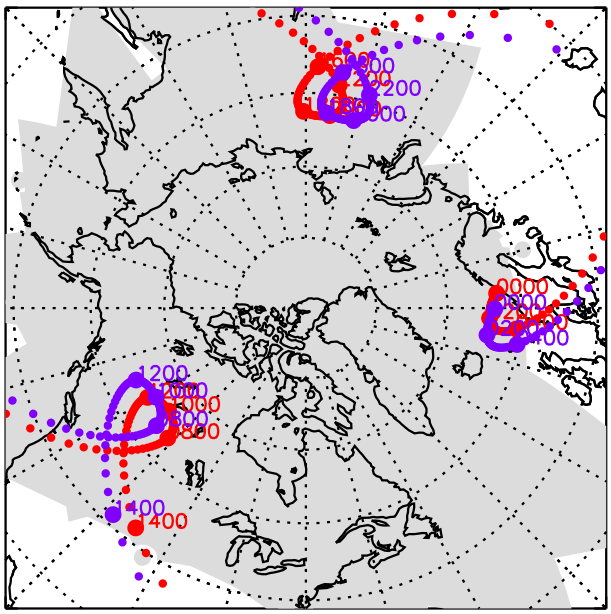


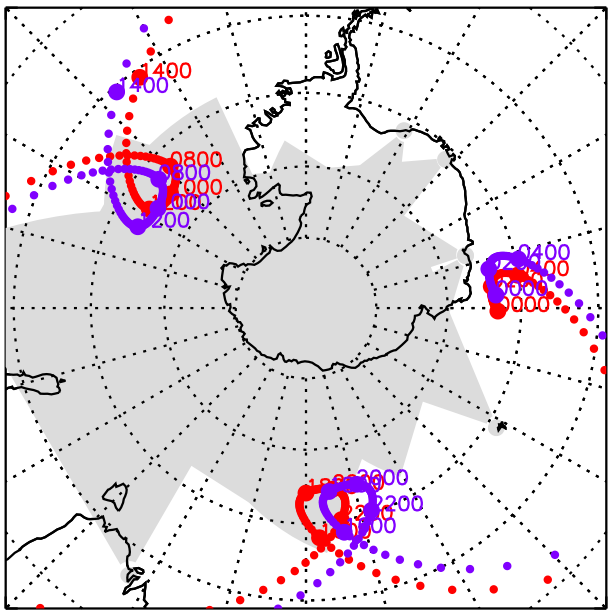


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

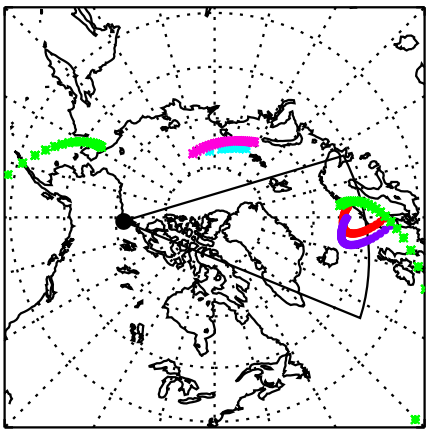
14–Sep–2016

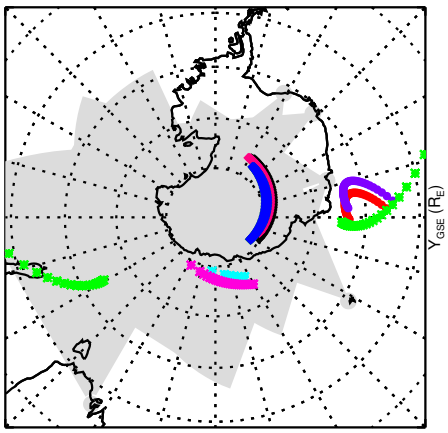
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

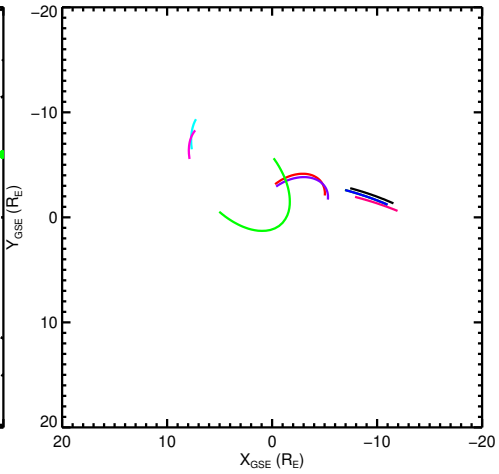




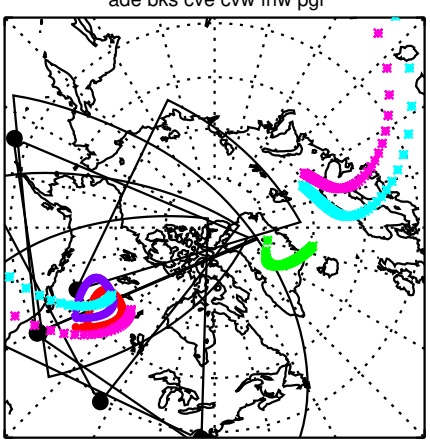
(a) 0000UT to 0435UT
inv



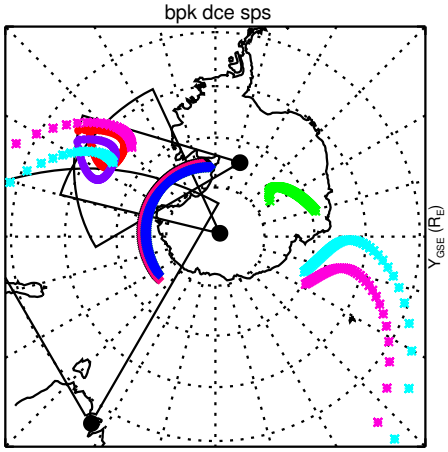


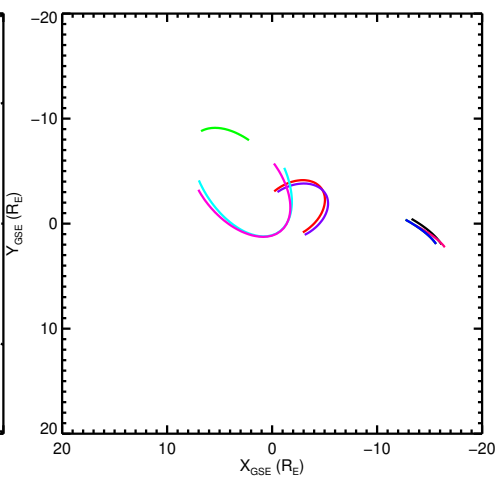


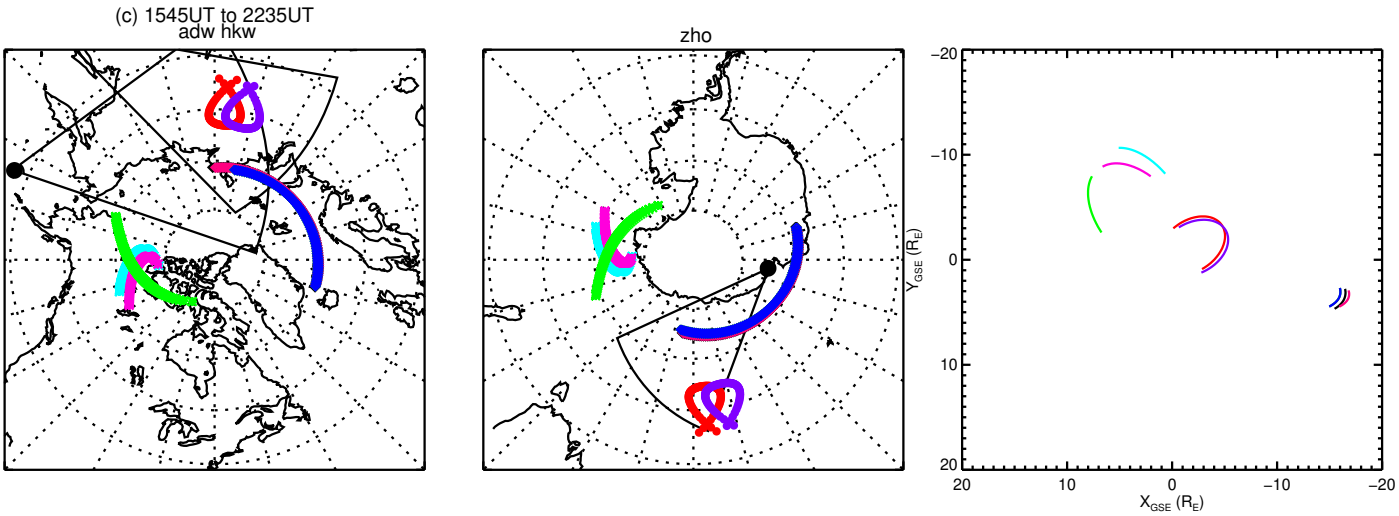
(b) 0650UT to 1335UT
ade bks cve cvw fhw pgr



bpk dce sps



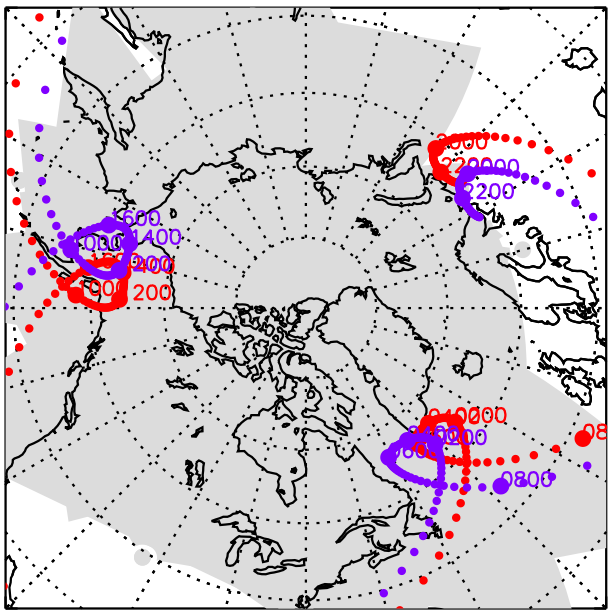


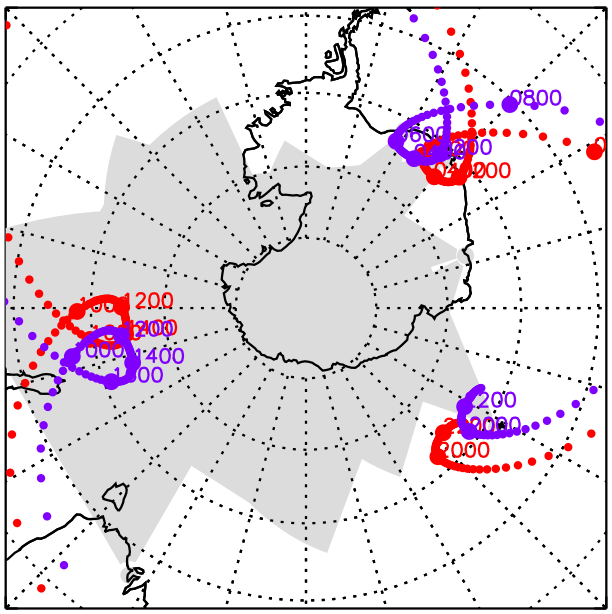

(c) 1545UT to 2235UT
adw hkw
zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

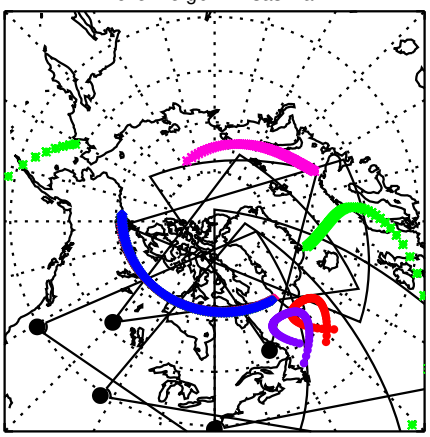
15–Sep–2016

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

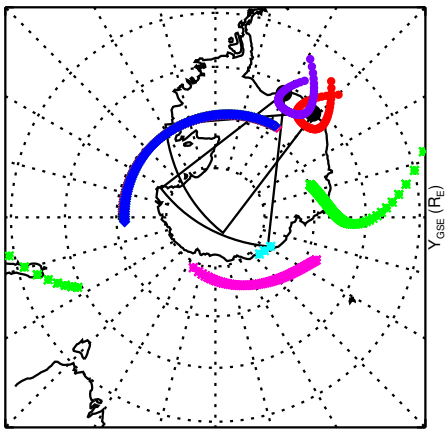


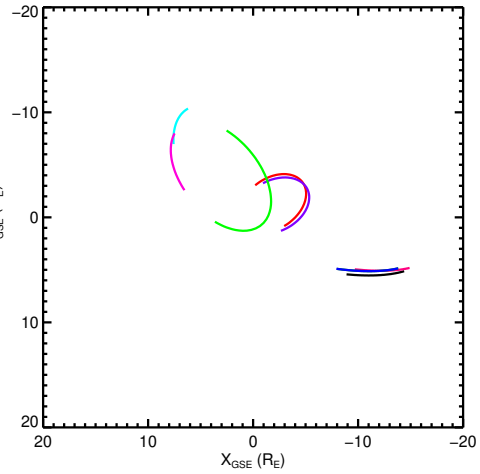


(a) 0045UT to 0730UT
cve fhe gbr inv sas wal

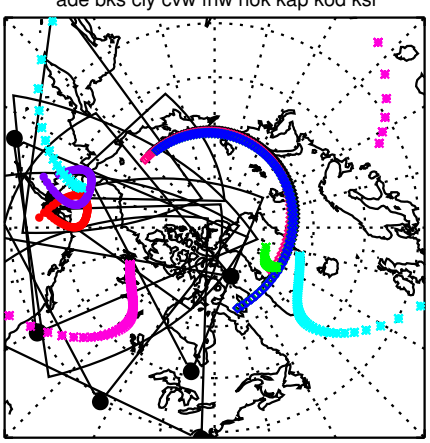


hal san

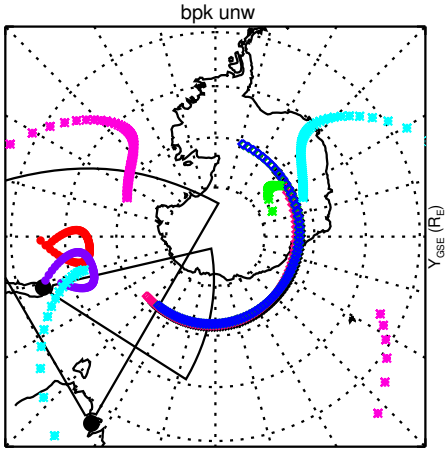


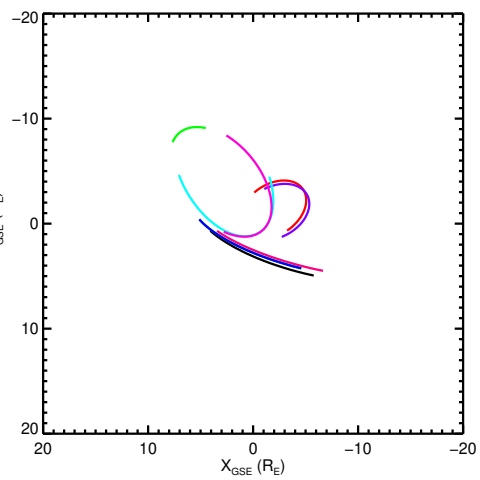


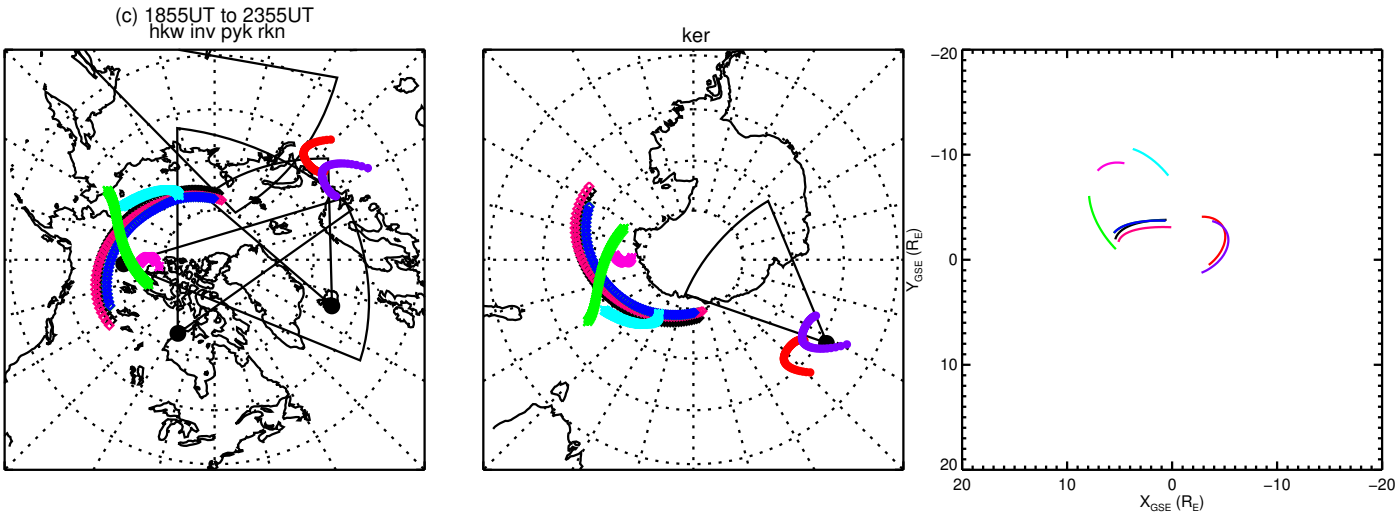
(b) 0950UT to 1630UT
ade bks cly cvw fhw hok kap kod ksr



bpk unw



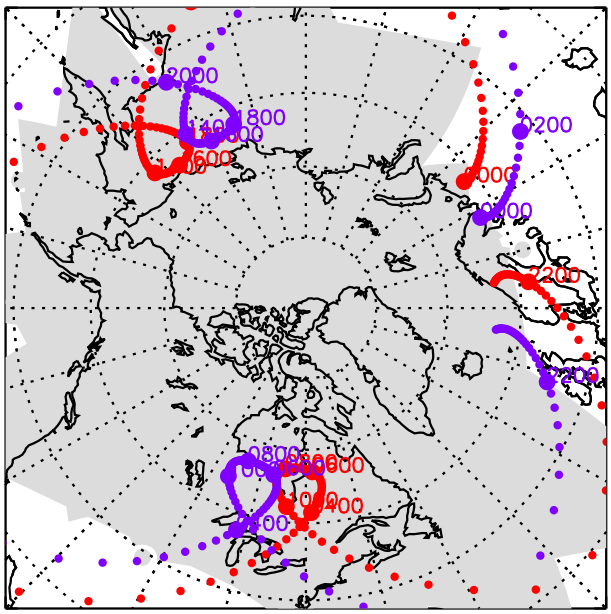


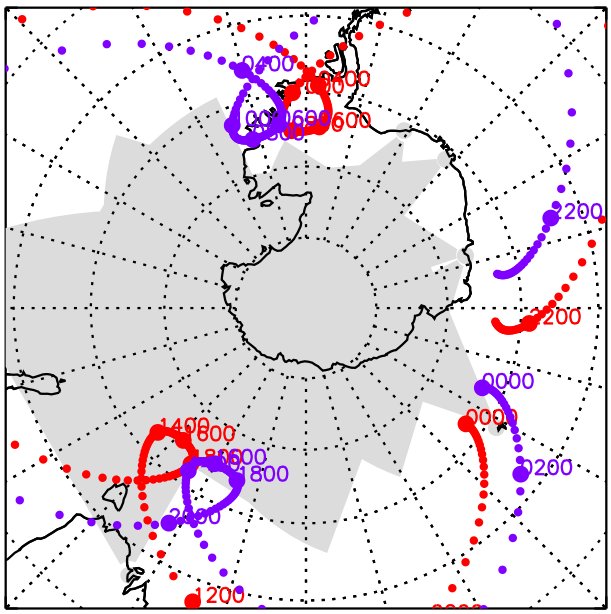

(c) 1855UT to 2355UT
hkw inv pyk rkn
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

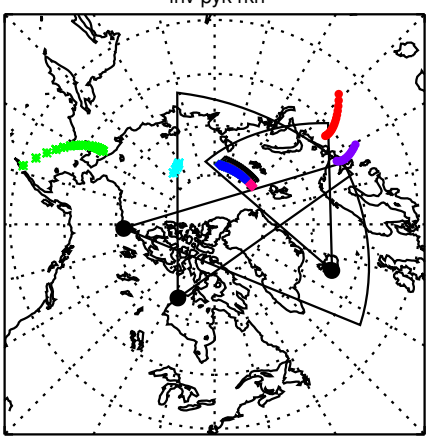
16–Sep–2016

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

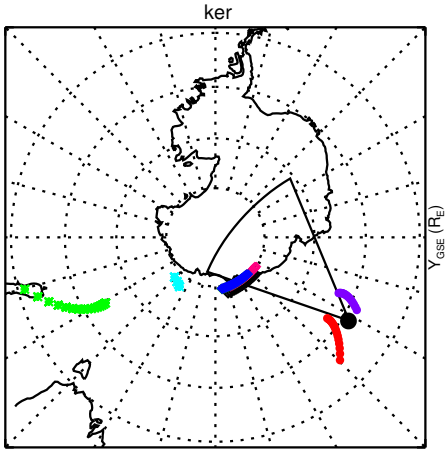


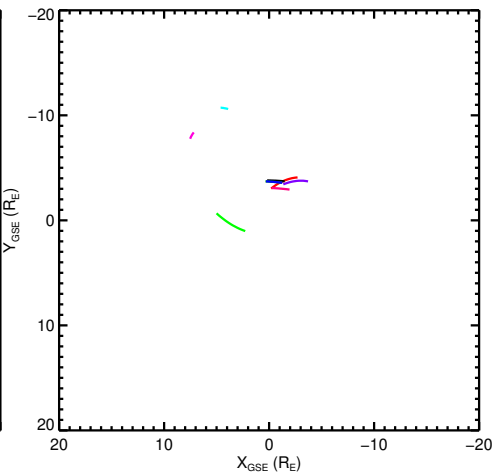


(a) 0000UT to 0125UT
inv pyk rkn

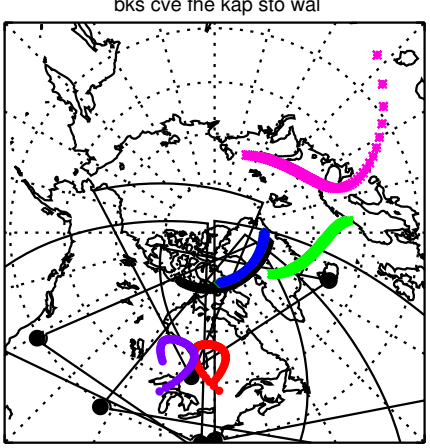


ker

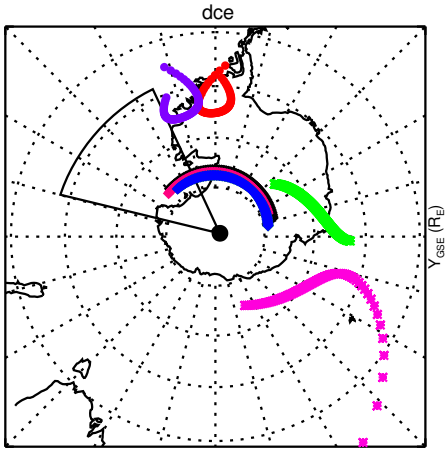


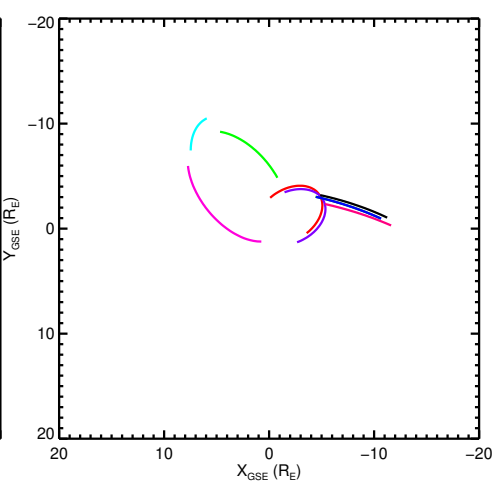


(b) 0355UT to 1025UT
bks cve fhe kap sto wal

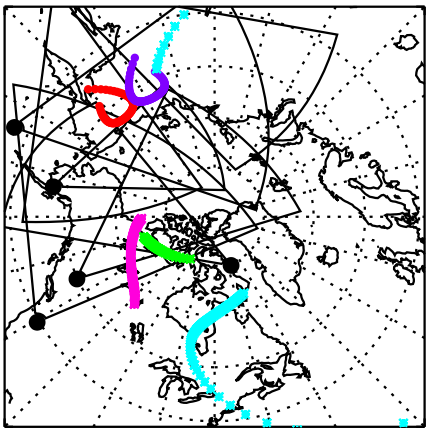


dce

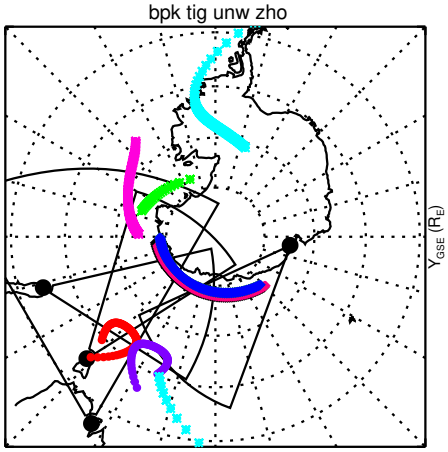


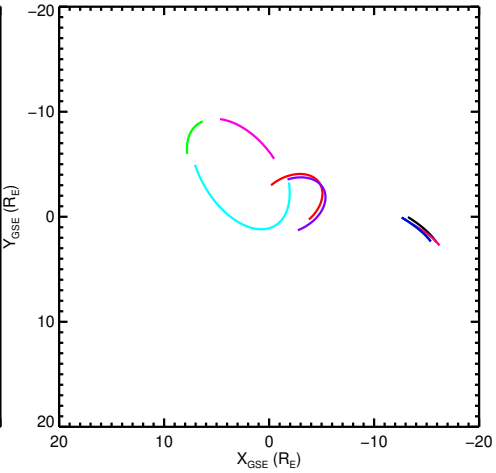


(c) 1300UT to 1920UT
adw cly cvw hkw hok ksr pgr

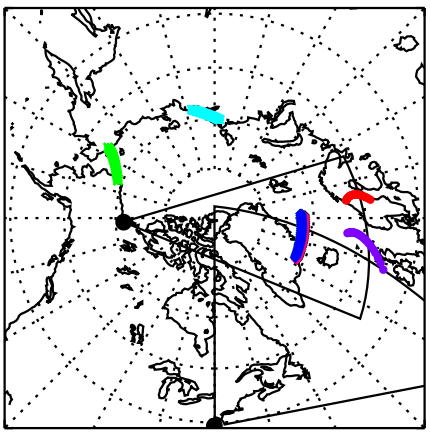


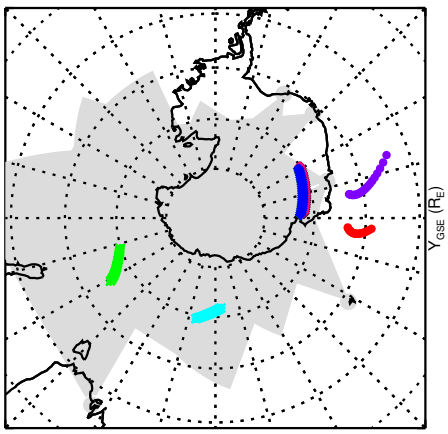
bpk tig unw zho

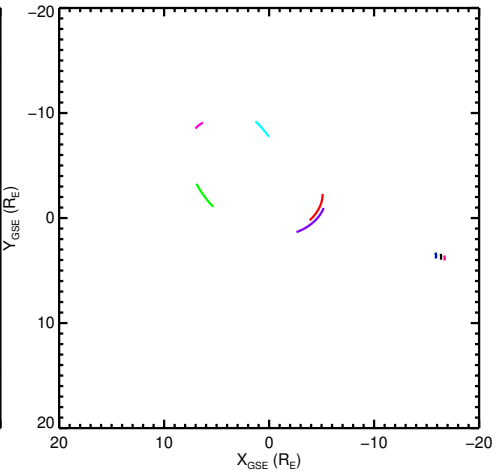




(d) 2200UT to 2355UT
inv wal



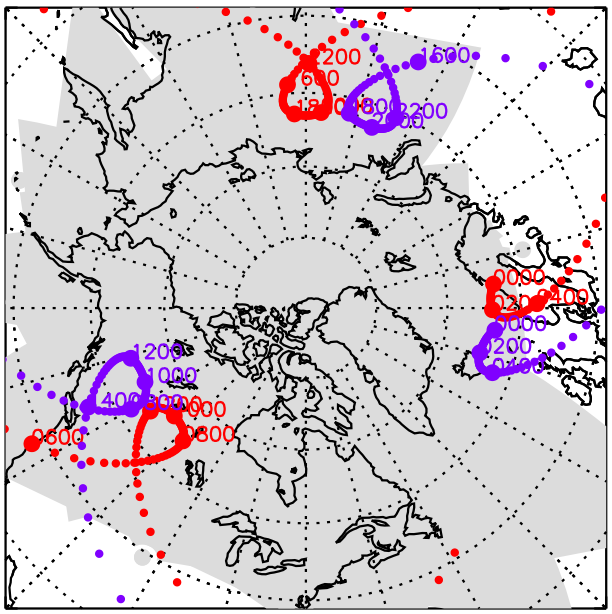


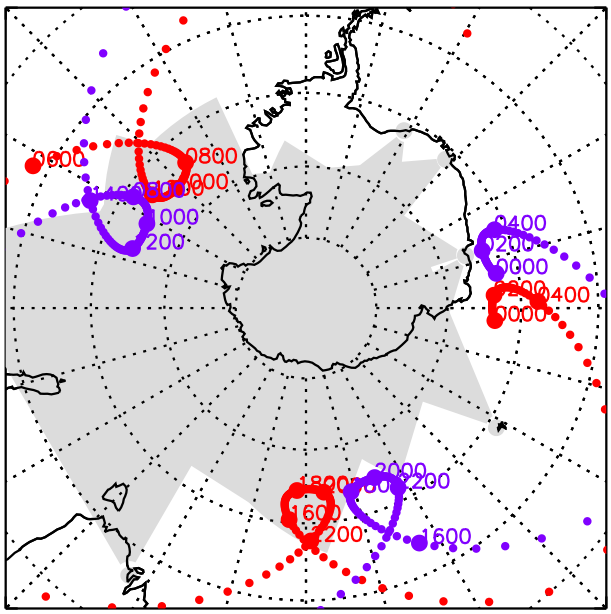


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

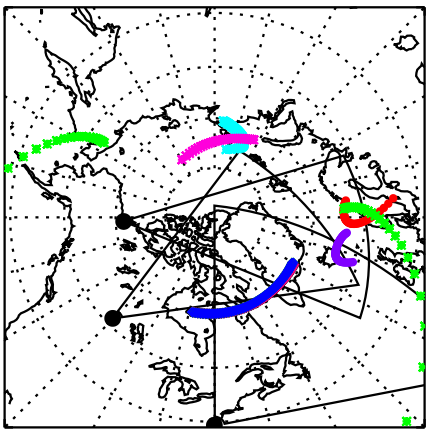
17–Sep–2016

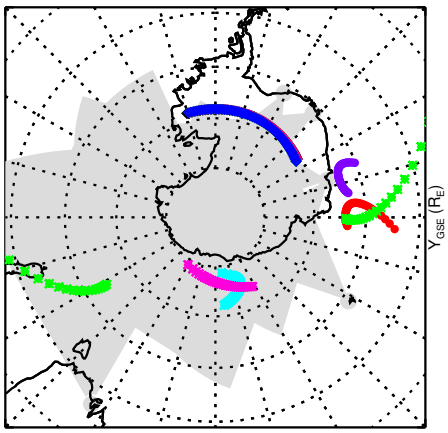
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

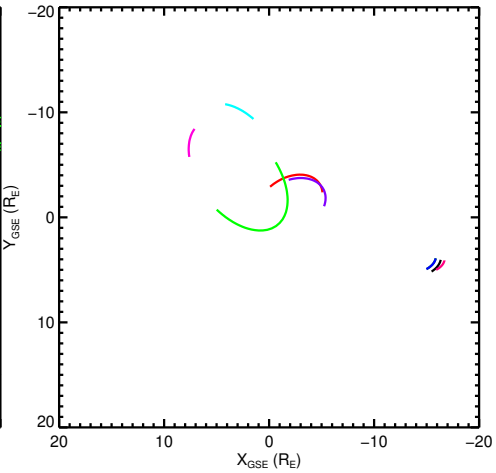




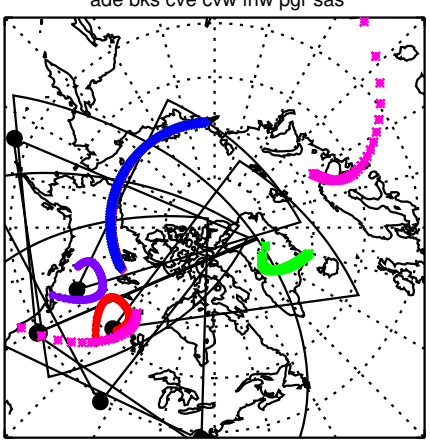
(a) 0000UT to 0420UT
inv sas wal



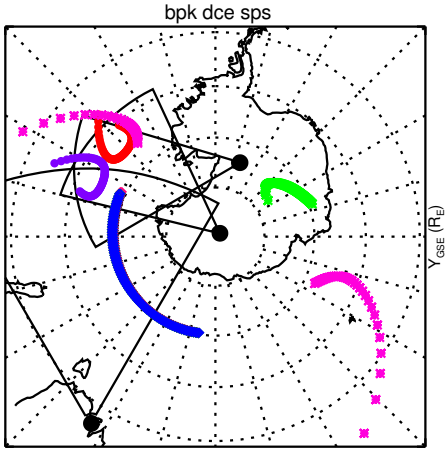


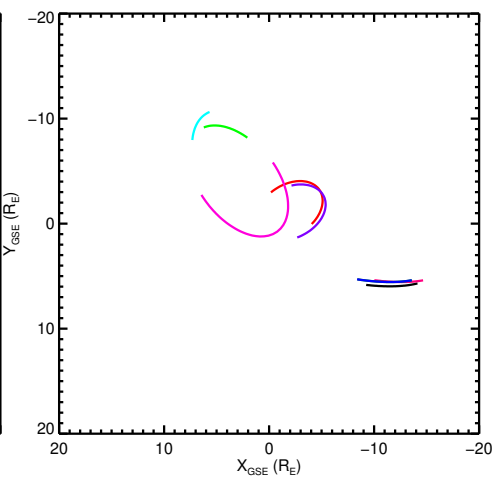


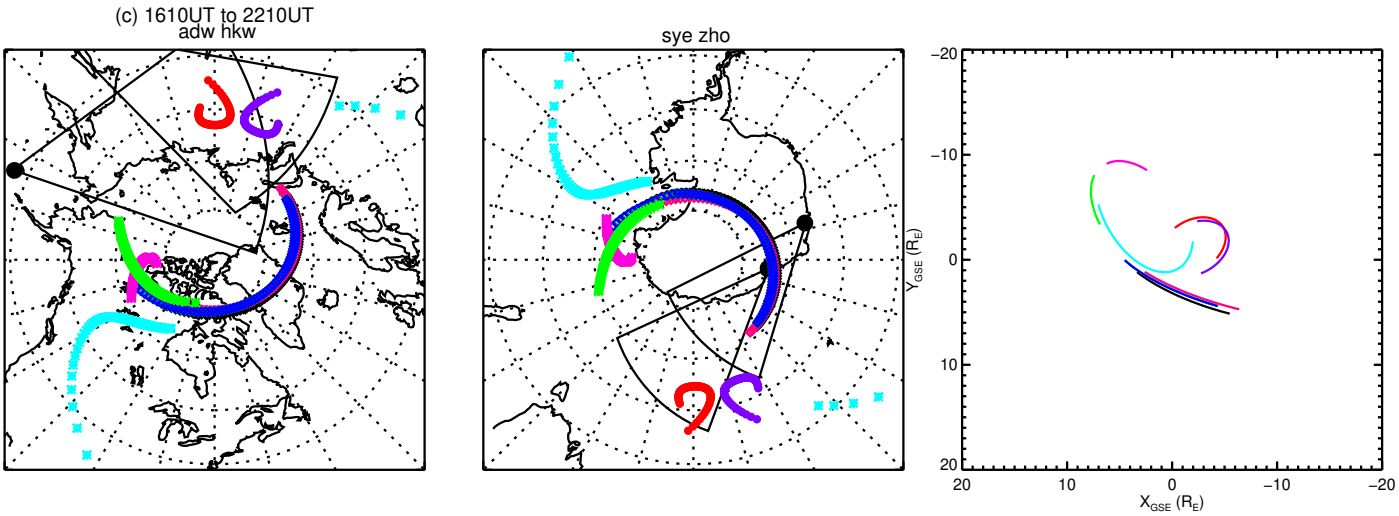
(b) 0705UT to 1315UT
ade bks cve cvw fhw pgr sas



bpk dce sps



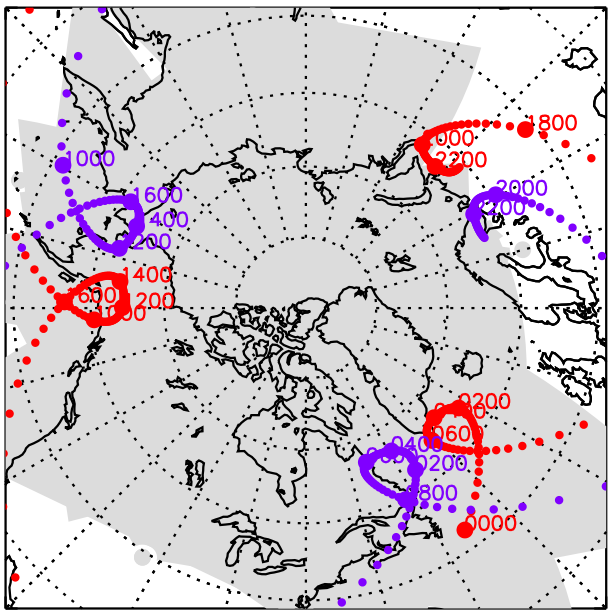


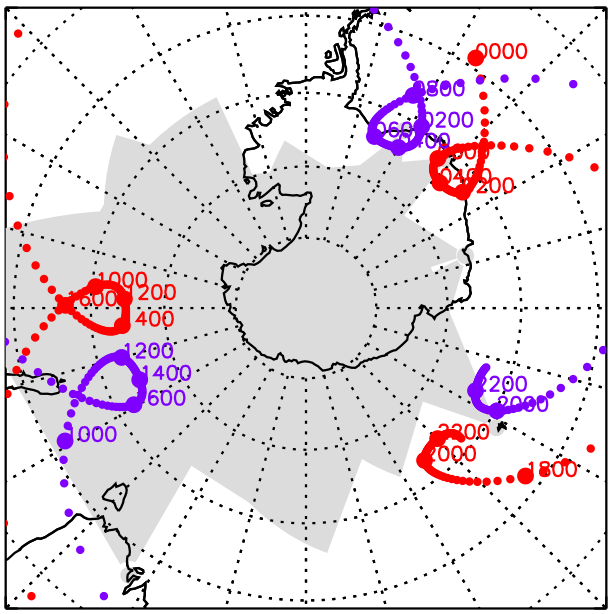

(c) 1610UT to 2210UT
adw hkw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

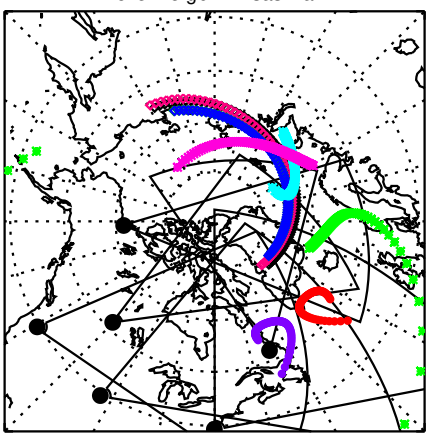
18–Sep–2016

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

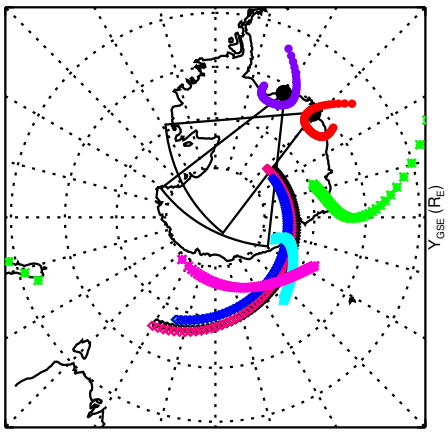


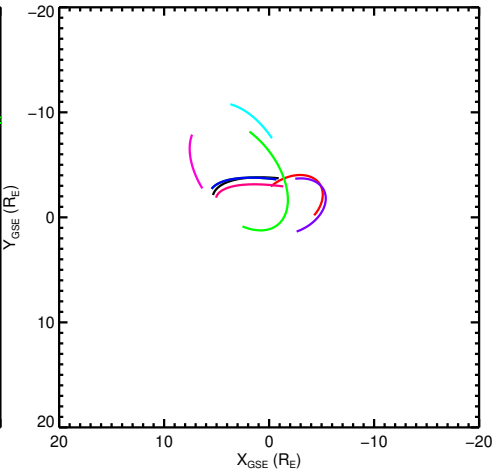


(a) 0110UT to 0710UT
cve fhe gbr inv sas wal

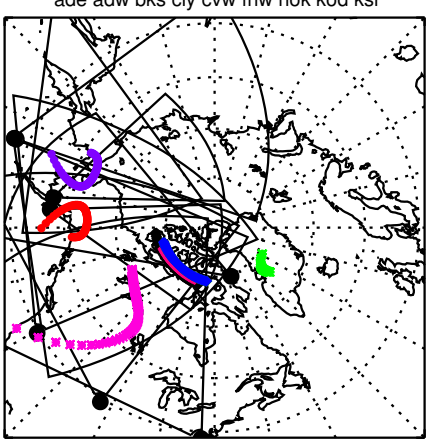


hal san

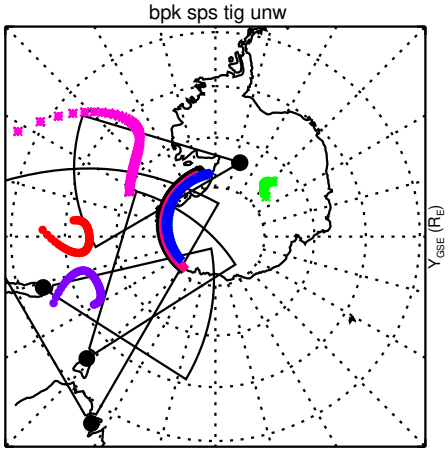


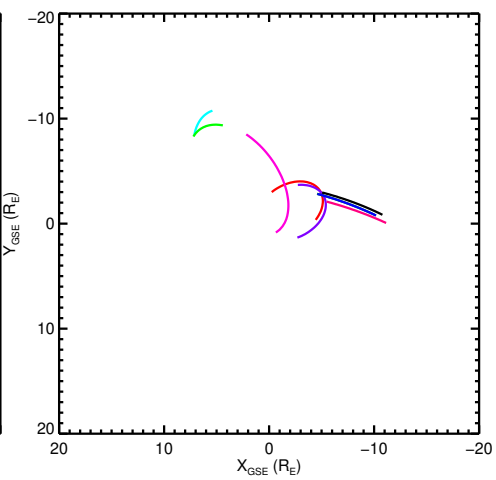


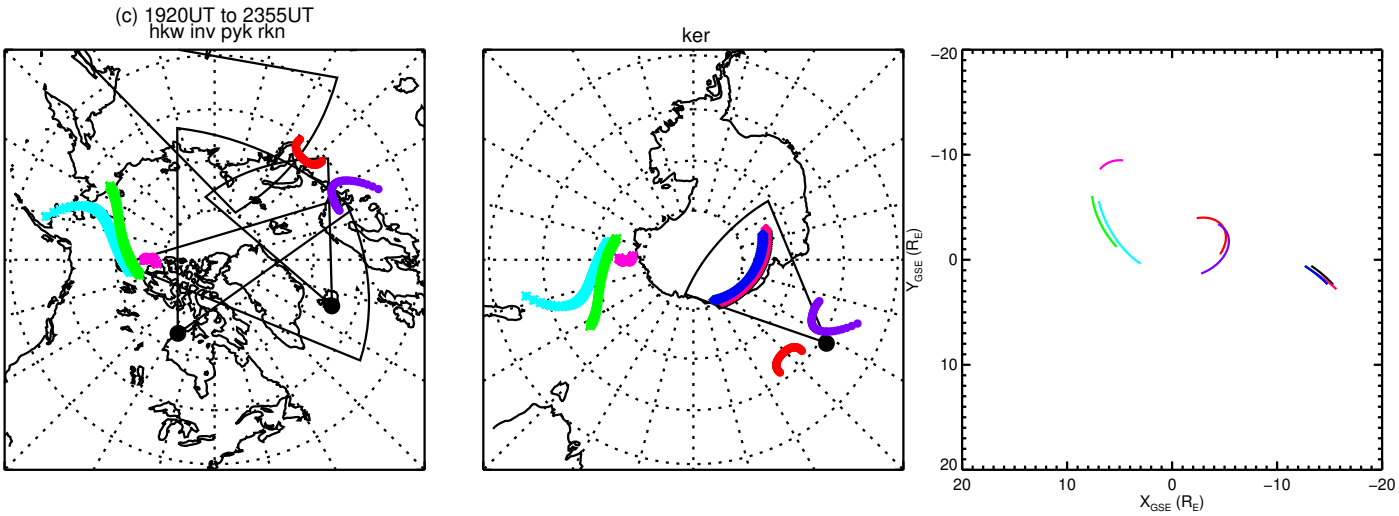
(b) 1015UT to 1605UT
ade adw bks cly cvw fhw hok kod ksr



bpk sps tig unw



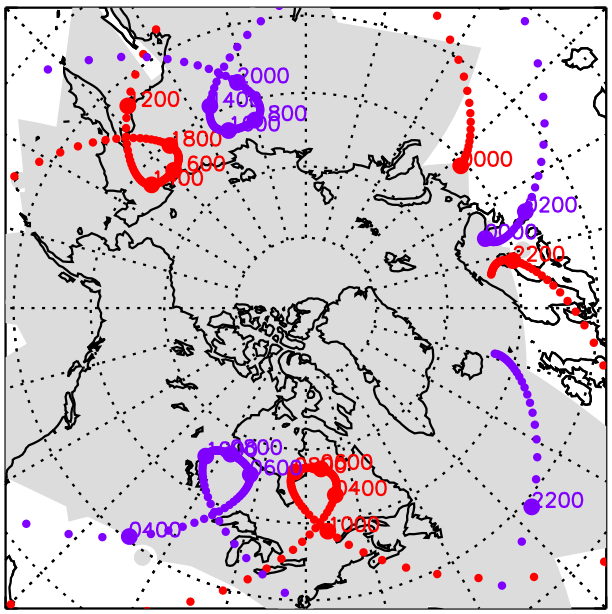


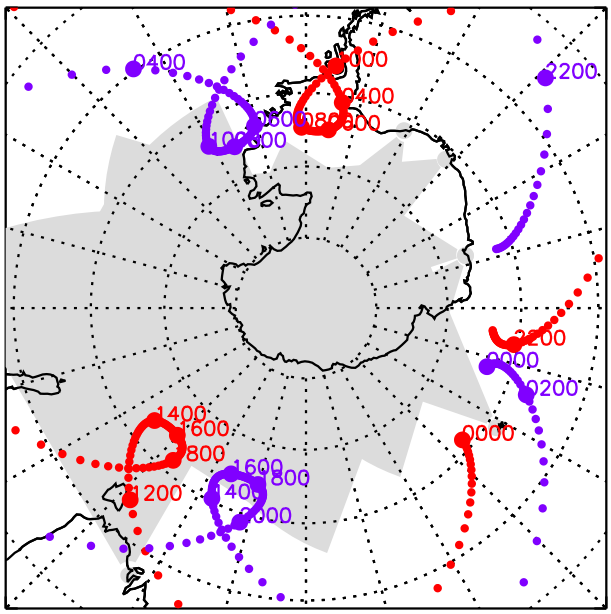

(c) 1920UT to 2355UT
hkw inv pyk rkn
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

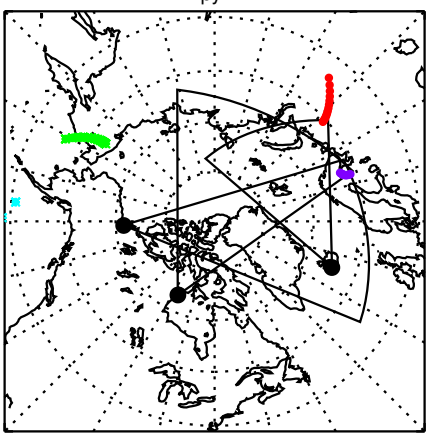
19–Sep–2016

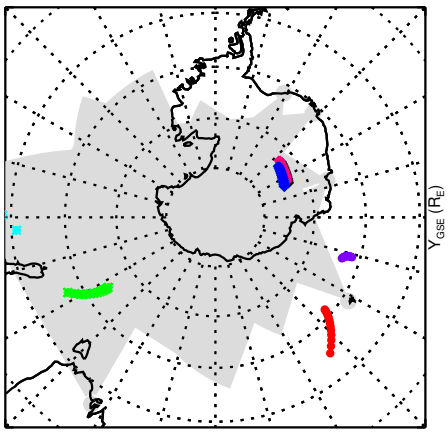
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

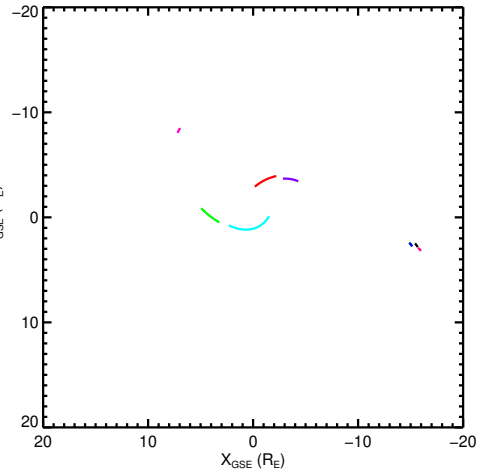




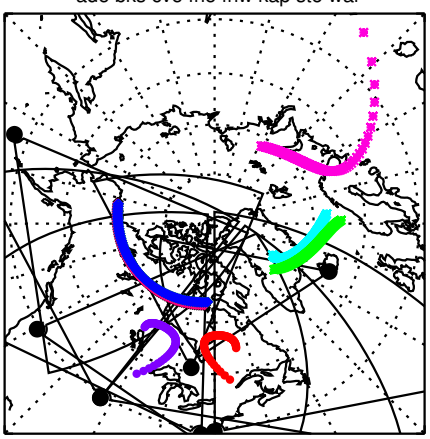
(a) 0000UT to 0105UT
inv pyk rkn



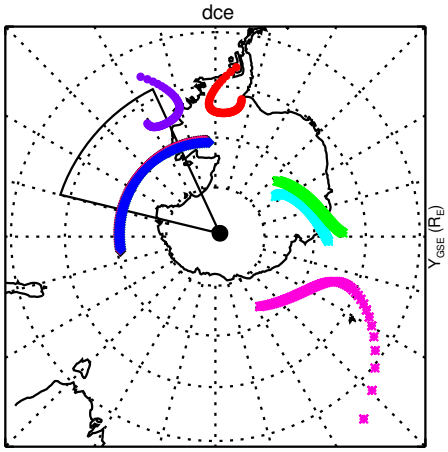


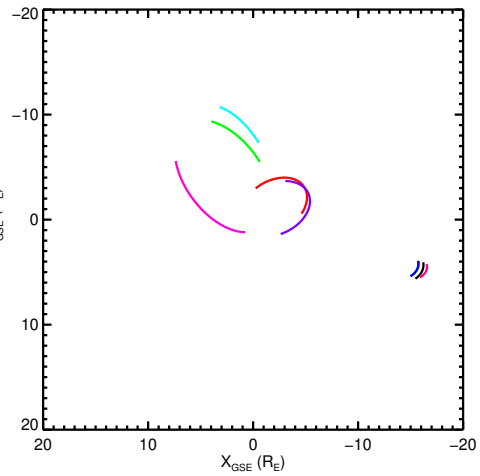


(b) 0420UT to 1000UT
ade bks cve fhe fhw kap sto wal



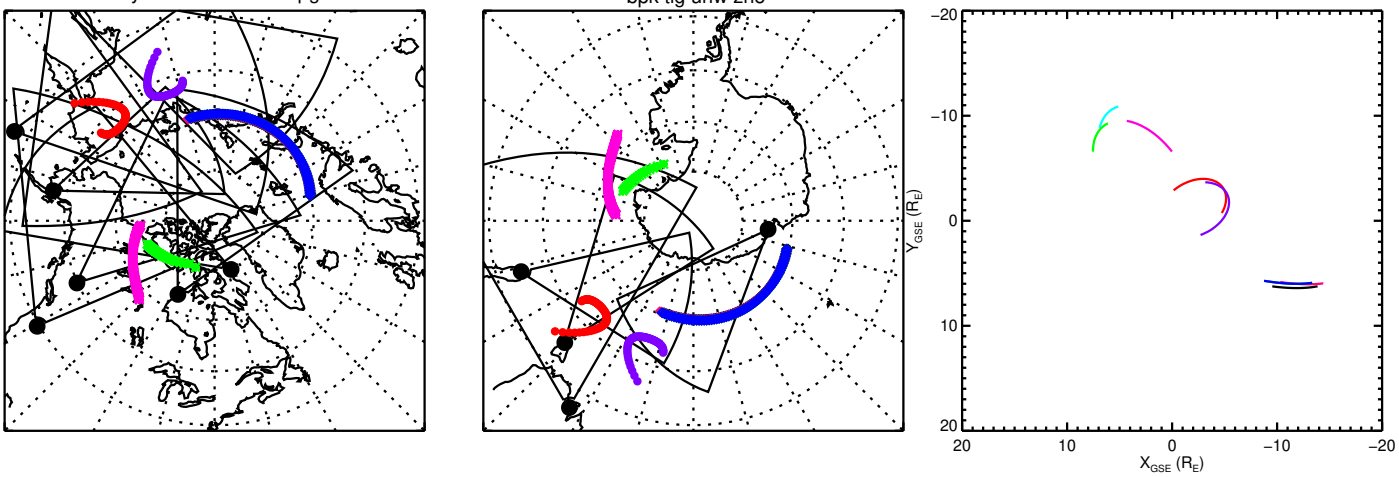
dce



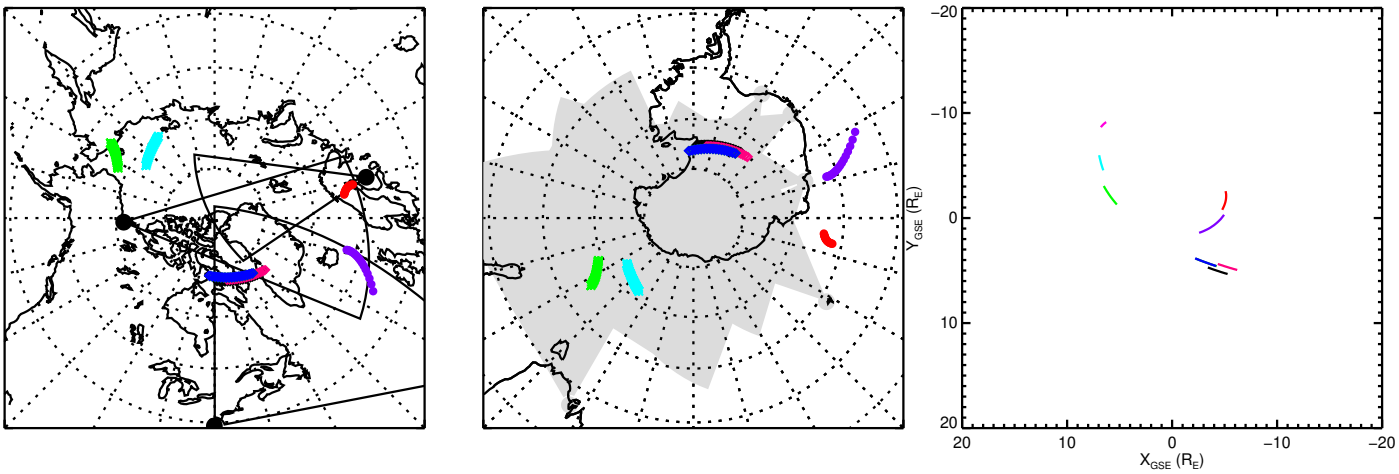


(c) 1325UT to 1900UT
adw cly cvw hkw hok ksr pgr rkn

bpk tig unw zho



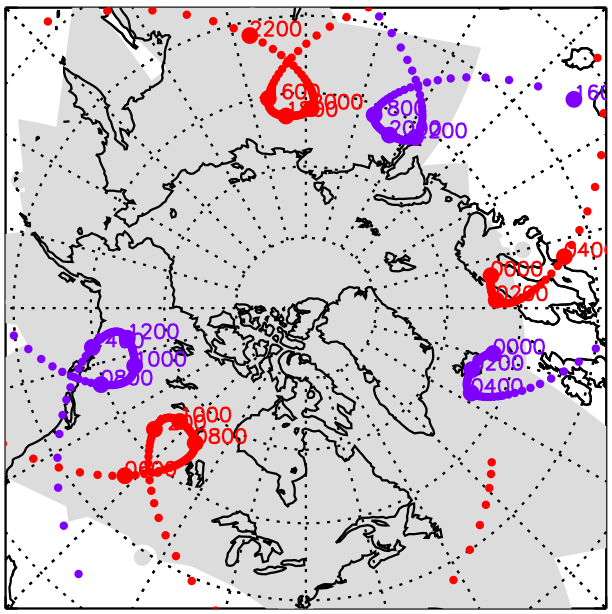
(d) 2225UT to 2355UT
han inv wal

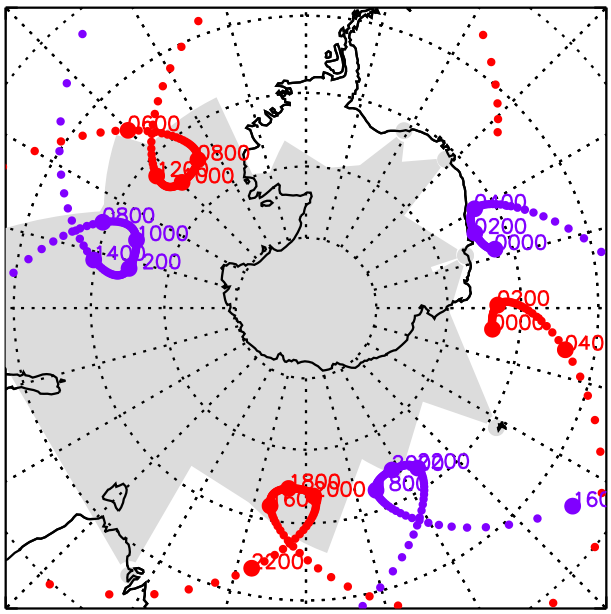


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

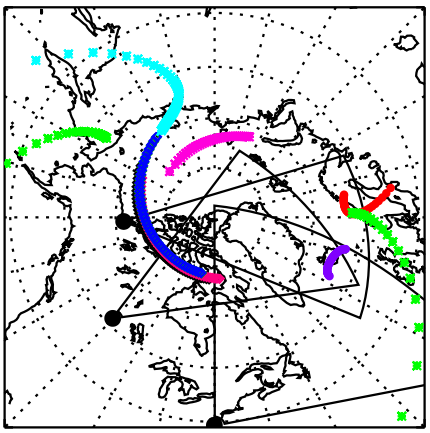
20–Sep–2016

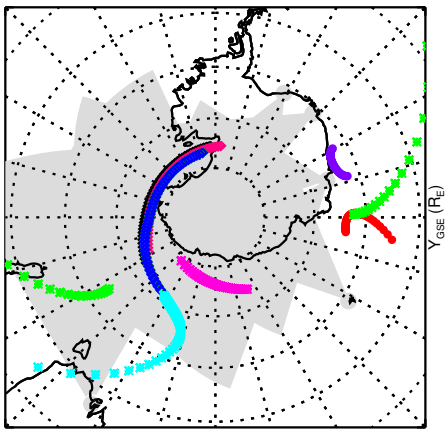
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

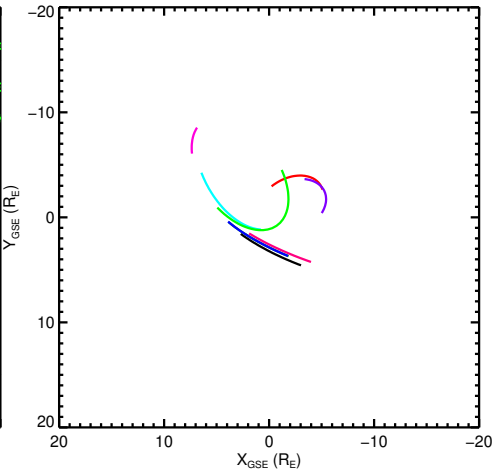




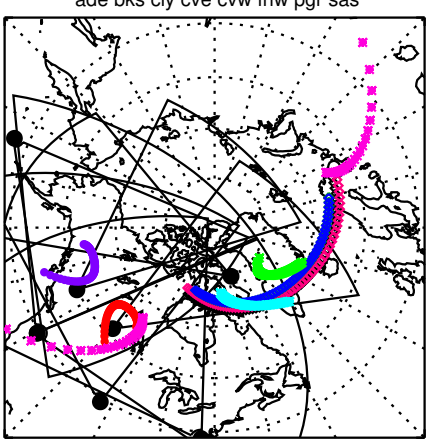
(a) 0000UT to 0355UT
inv sas wal



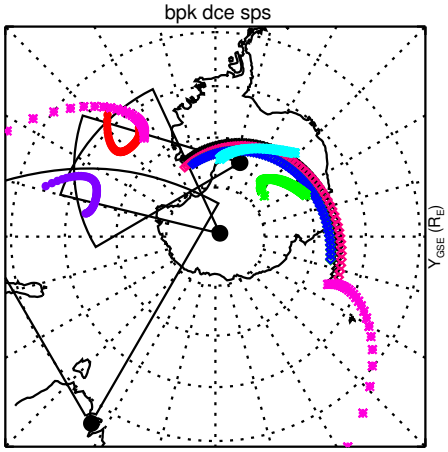


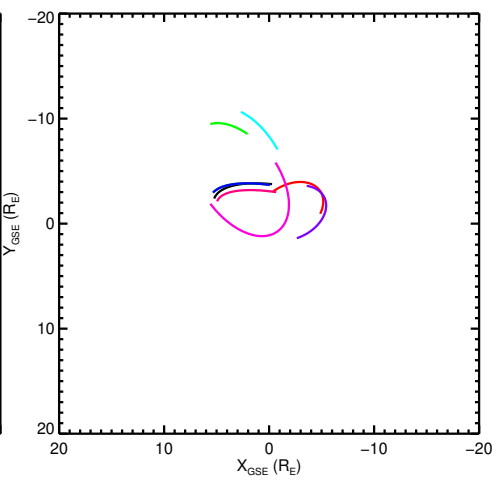


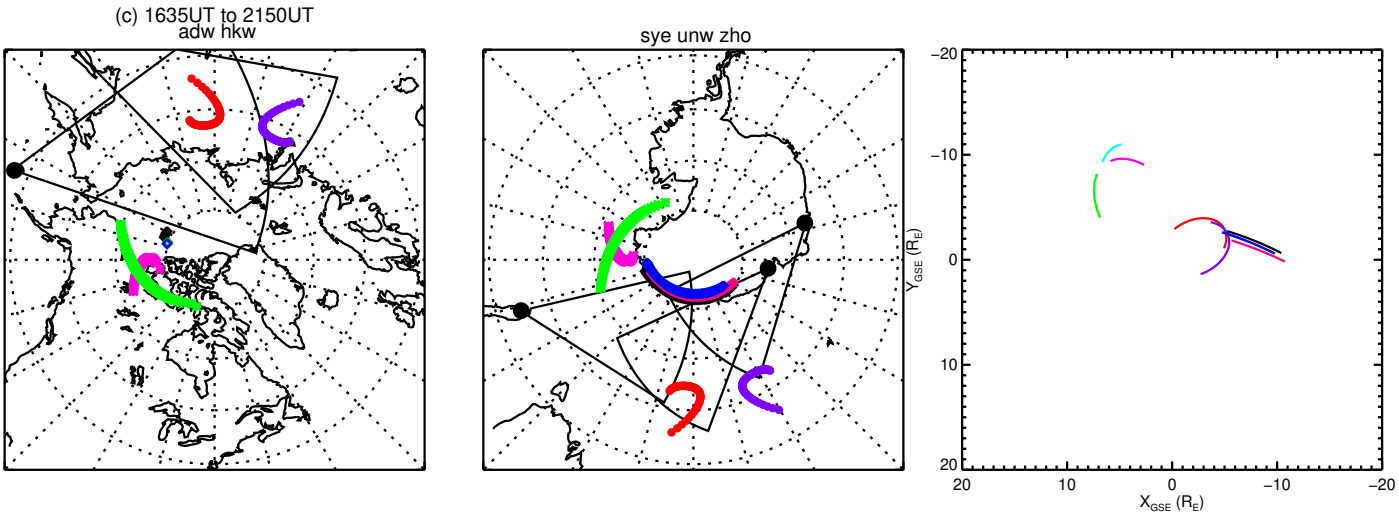
(b) 0730UT to 1250UT
ade bks cly cve cvw fhw pgr sas



bpk dce sps



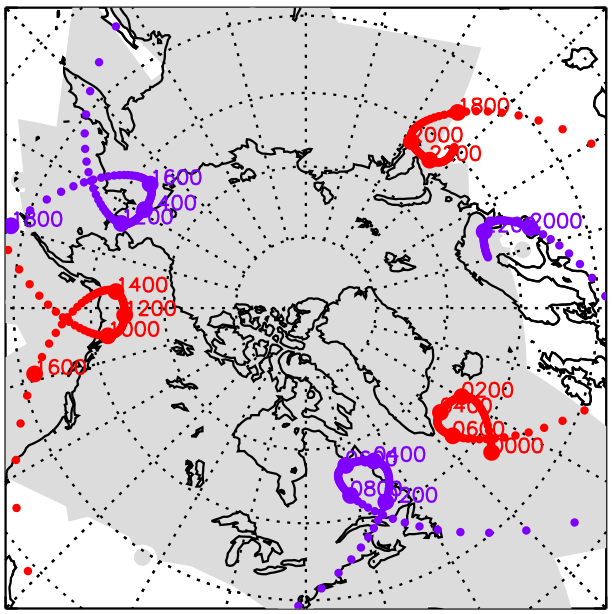


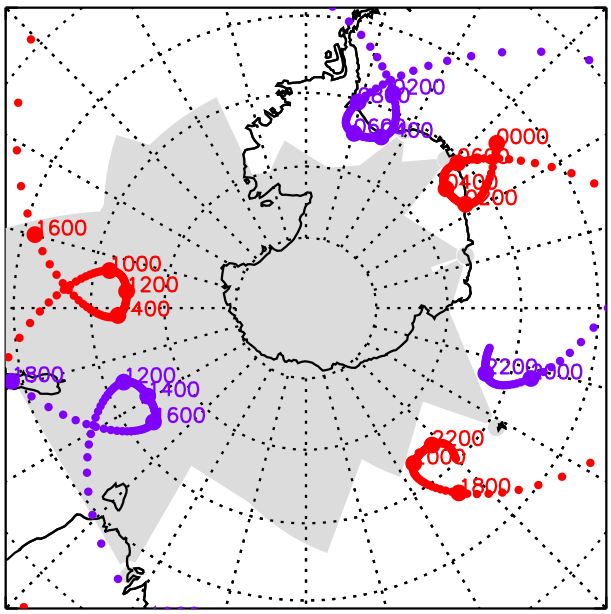

(c) 1635UT to 2150UT
adw hkw
sye unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

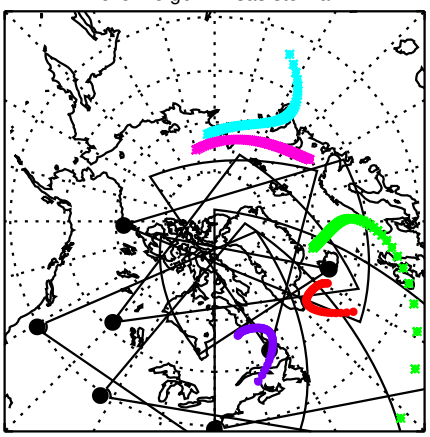
21−Sep−2016

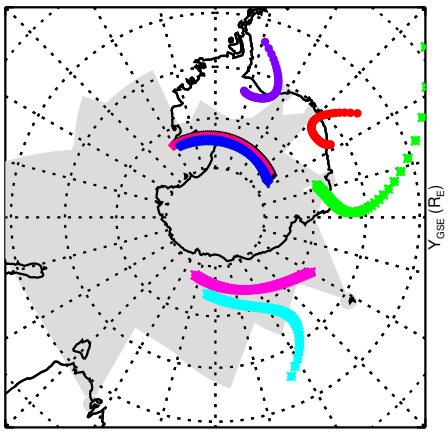
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

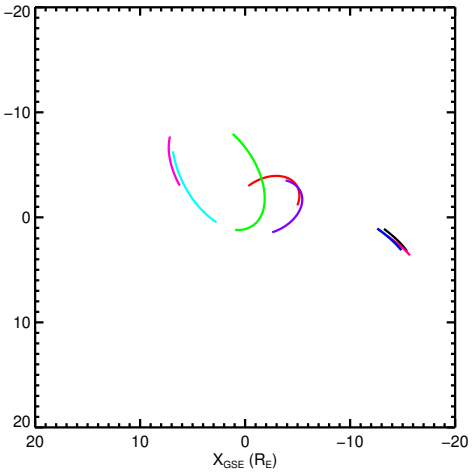




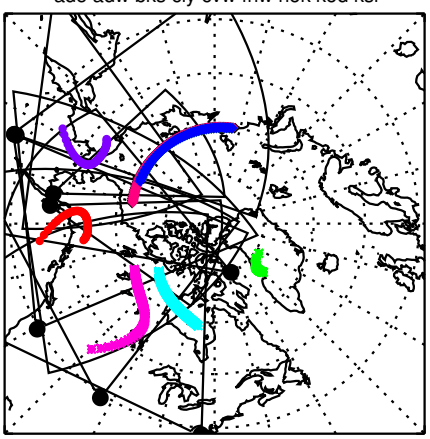
(a) 0135UT to 0645UT
cve fhe gbr inv sas sto wal



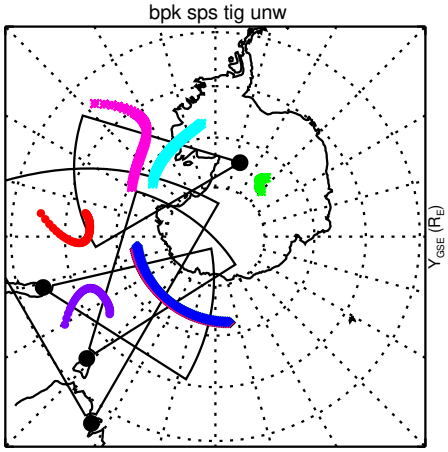


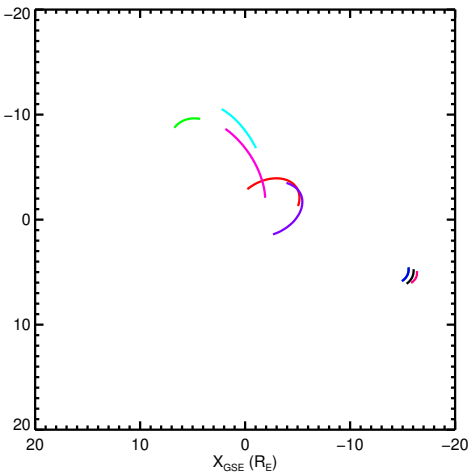


(b) 1040UT to 1545UT
ade adw bks cly cvw fhw hok kod ksr

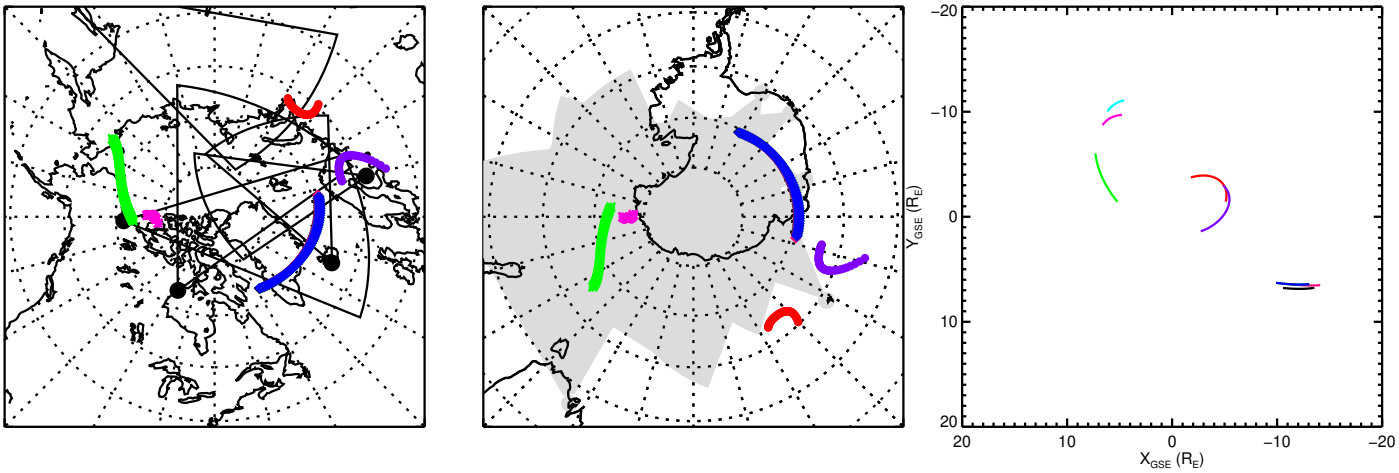


bpk sps tig unw





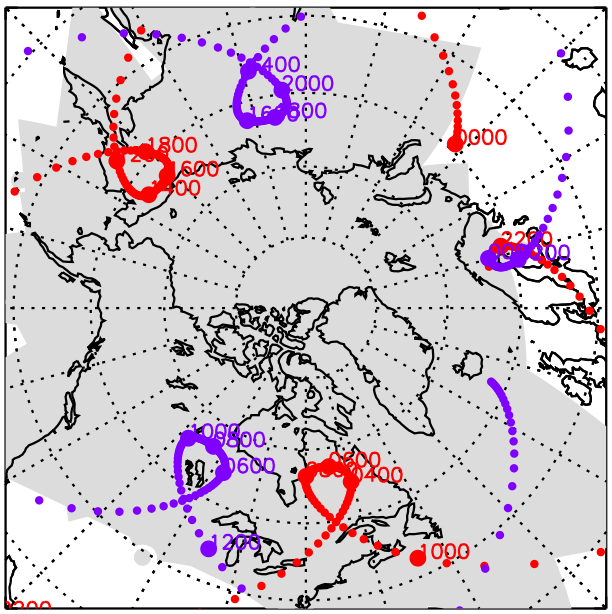
(c) 1945UT to 2355UT
han hkw inv pyk rkn

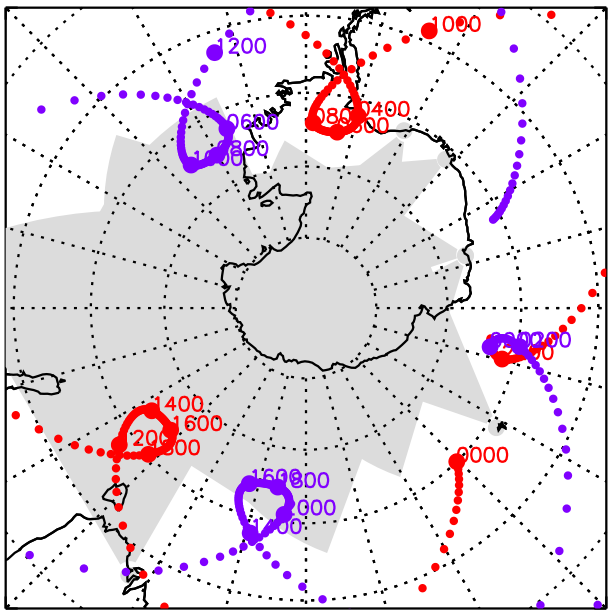


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

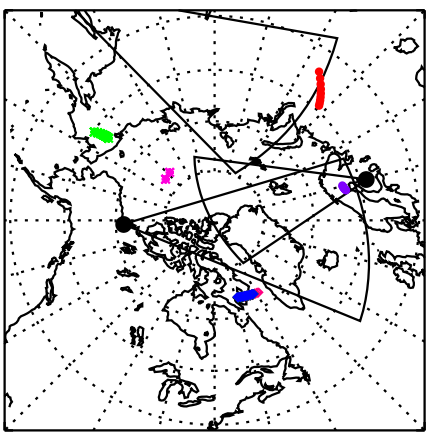
22–Sep–2016

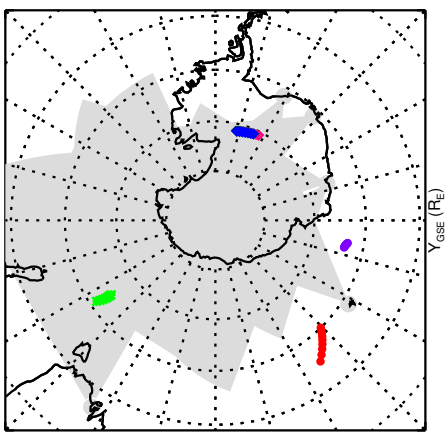
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

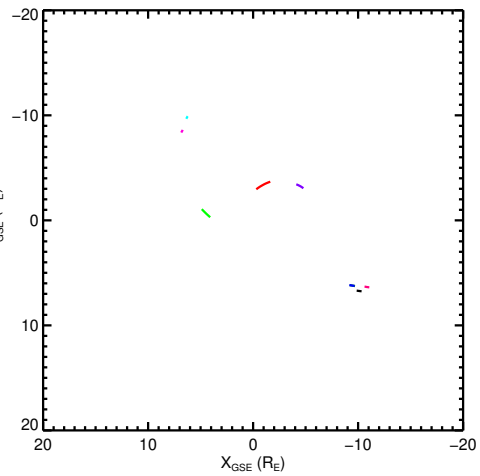




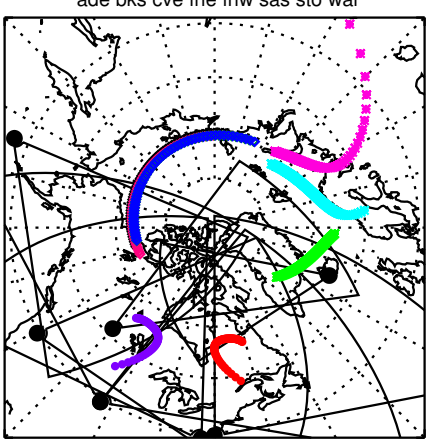
(a) 0000UT to 0040UT
han hkw inv



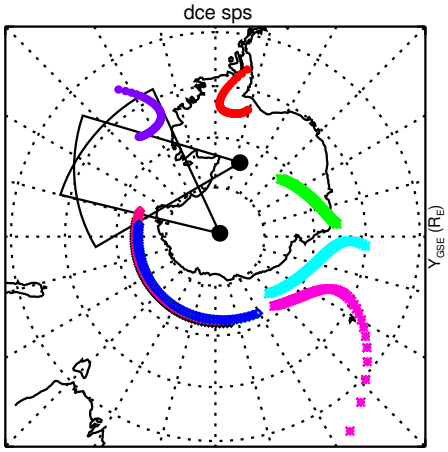


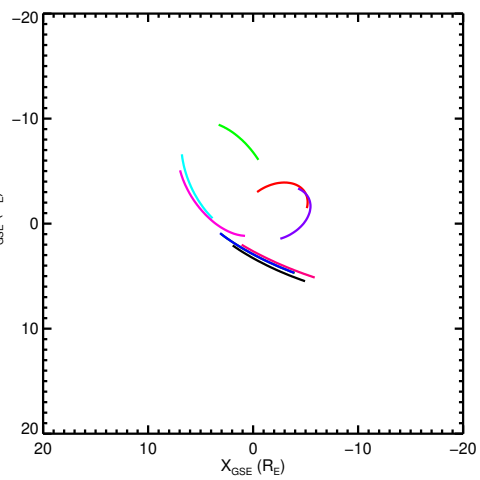


(b) 0445UT to 0935UT
ade bks cve fhe fhw sas sto wal



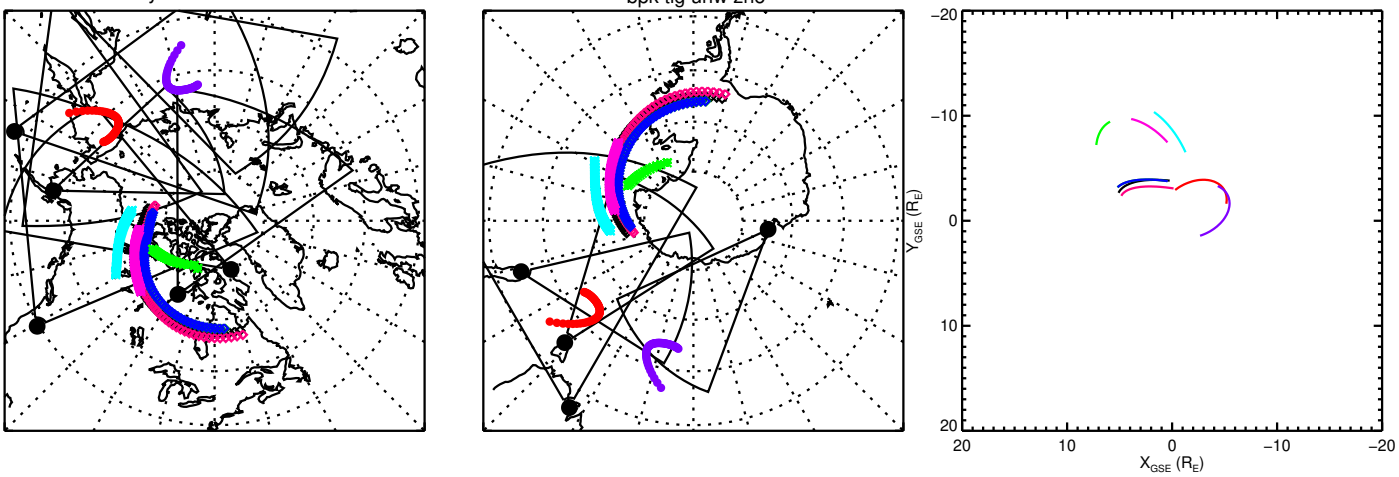
dce sps



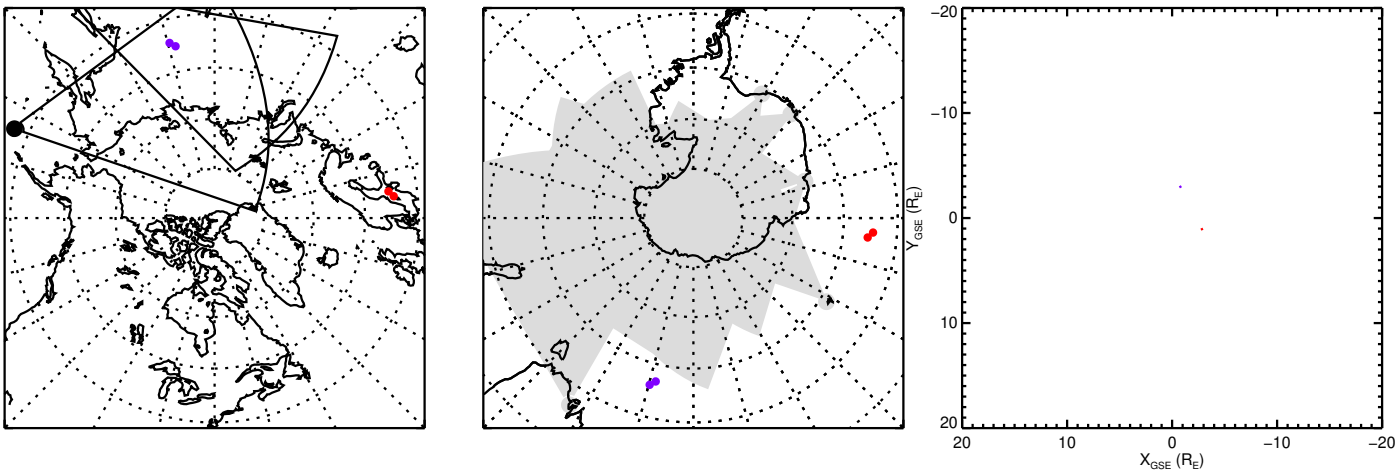


(c) 1350UT to 1835UT
adw cly cvw hkw hok ksr rkn

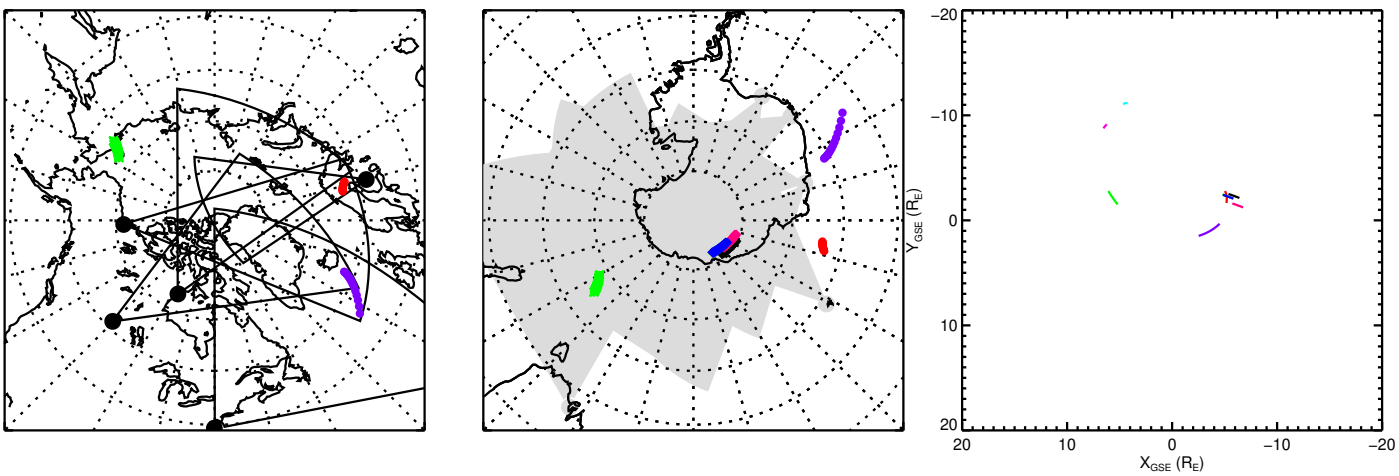
bpk tig unw zho



(d) 2040UT to 2045UT
adw hkw



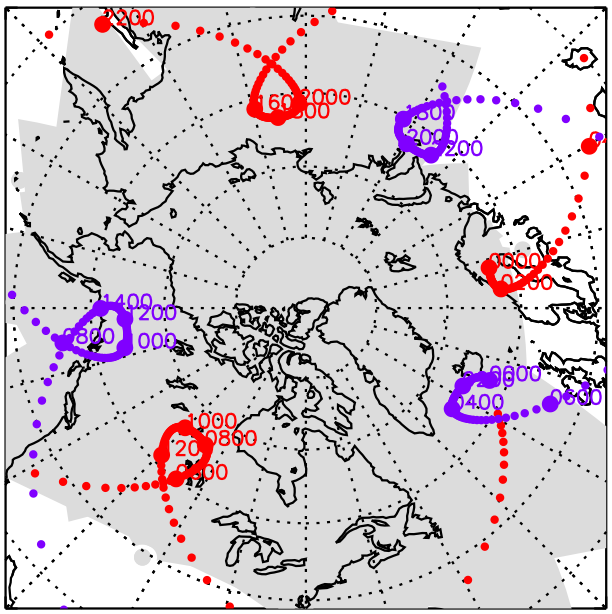
(e) 2250UT to 2355UT
han inv rkn sas wal

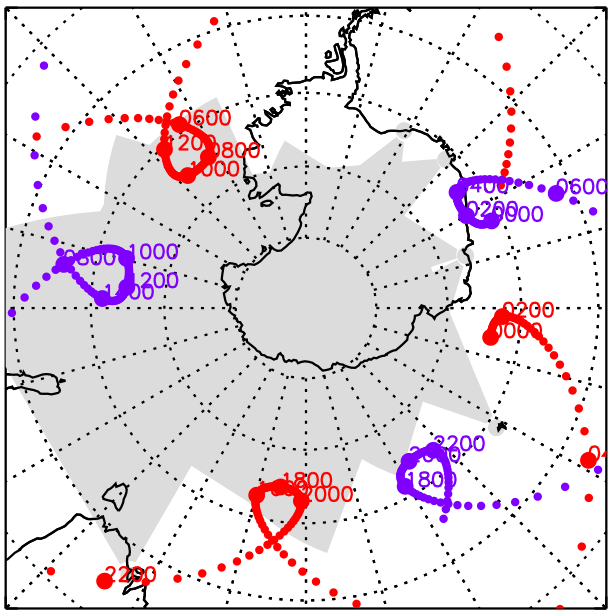


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

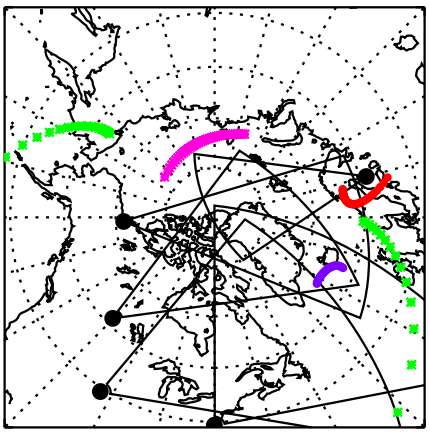
23–Sep–2016

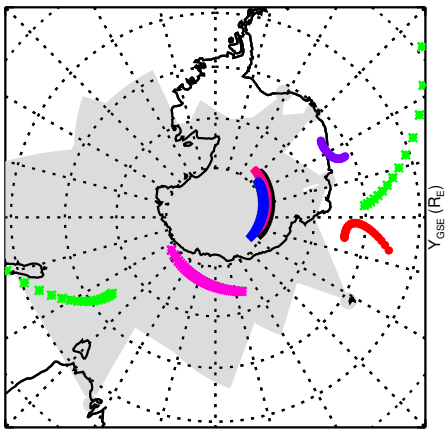
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

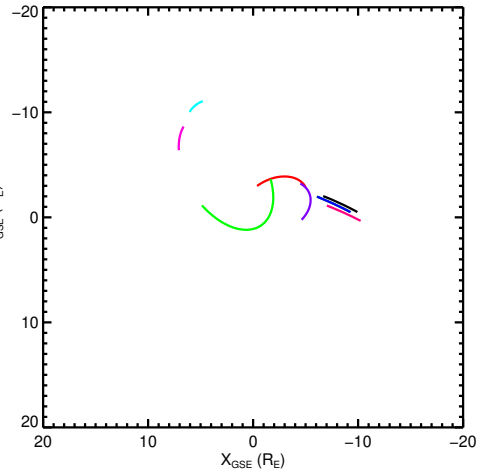




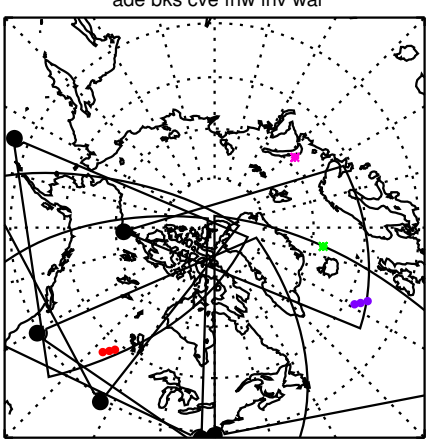
(a) 0000UT to 0330UT
fhe han inv sas wal

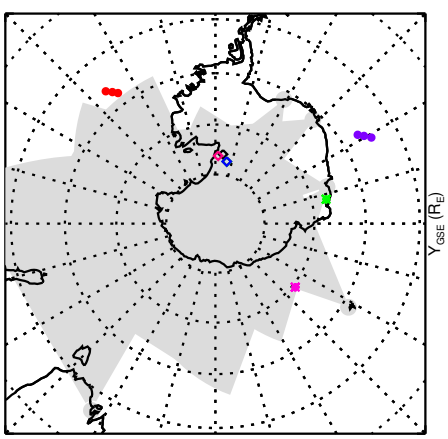


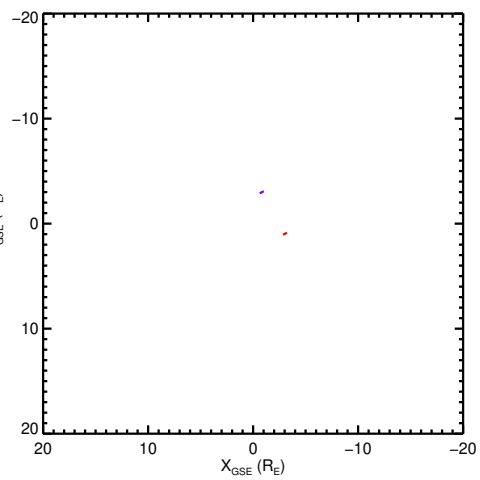




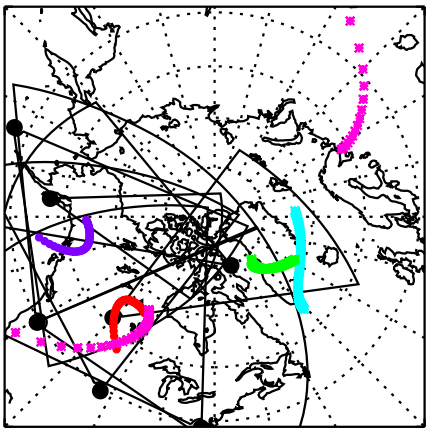
(b) 0540UT to 0550UT
ade bks cve fhw inv wal



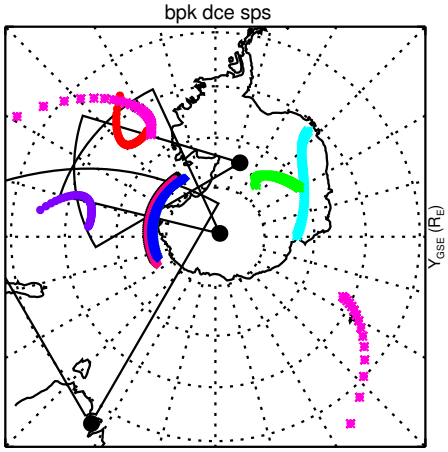


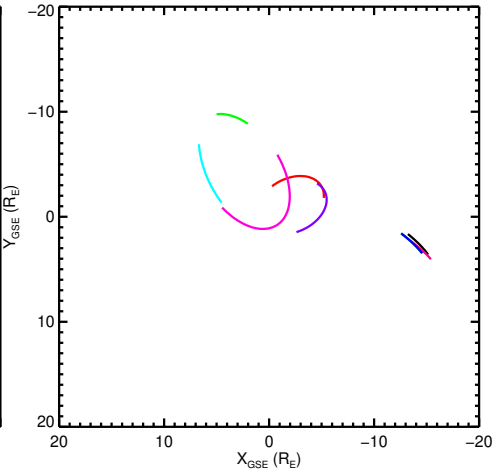


(c) 0755UT to 1230UT
ade bks cly cve cvw fhw kod sas

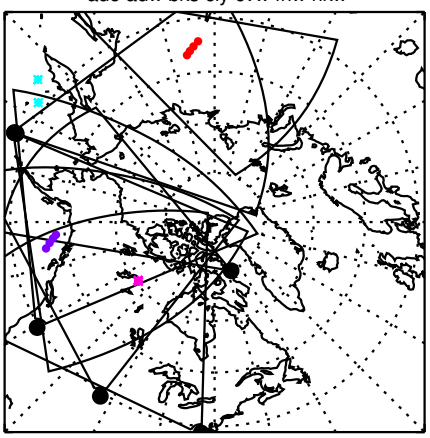


bpk dce sps

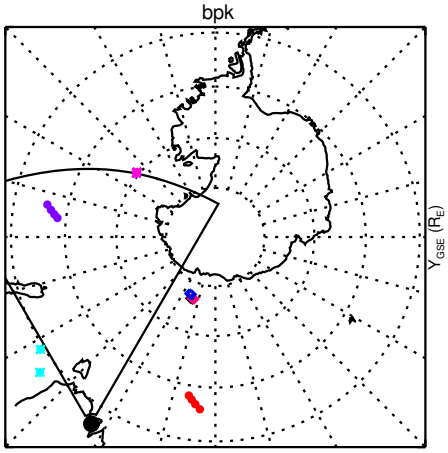


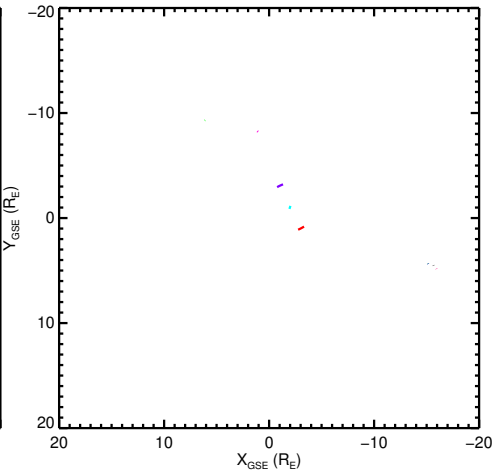


(d) 1435UT to 1450UT
ade adw bks cly cvw fhw hkw

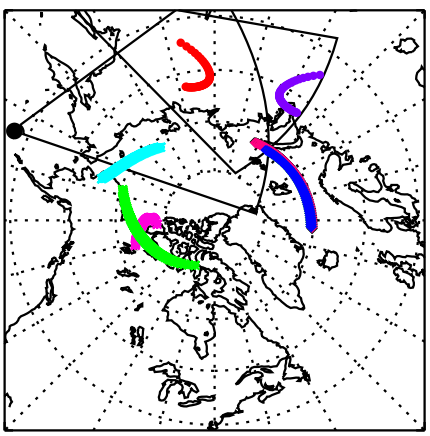


bpk

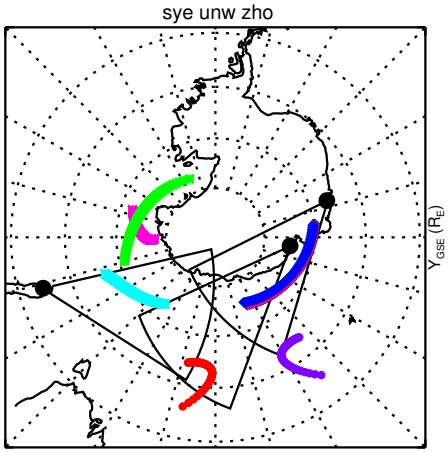


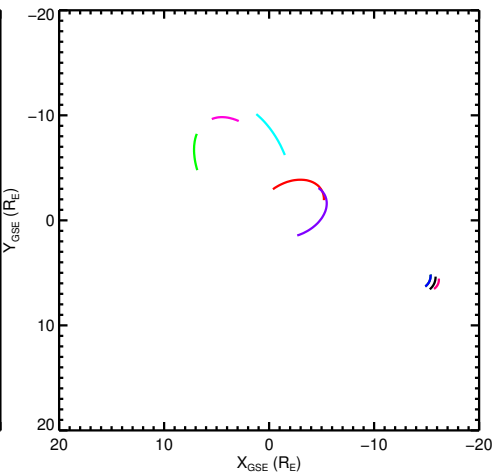


(e) 1700UT to 2125UT
adw hkw

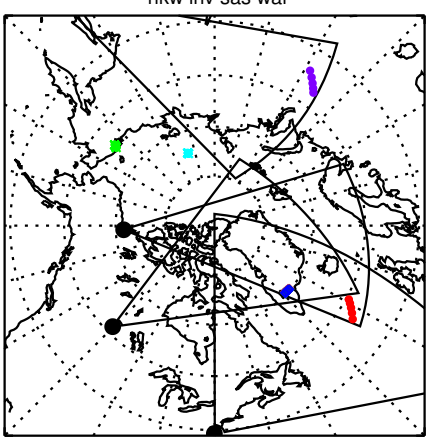


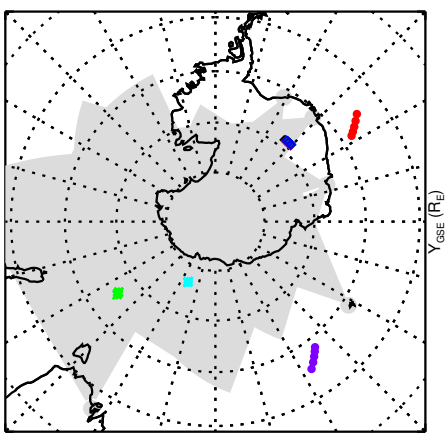
sye unw zho

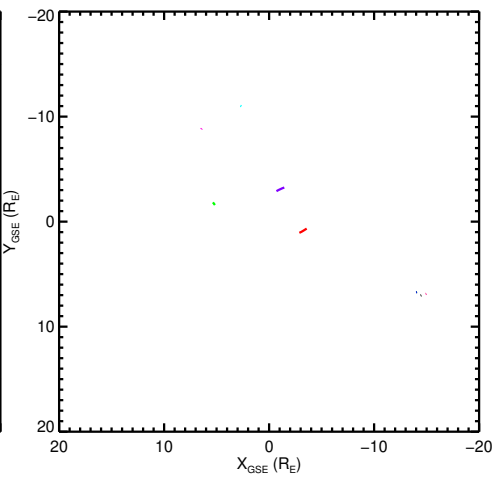




(f) 2335UT to 2355UT
hkw inv sas wal



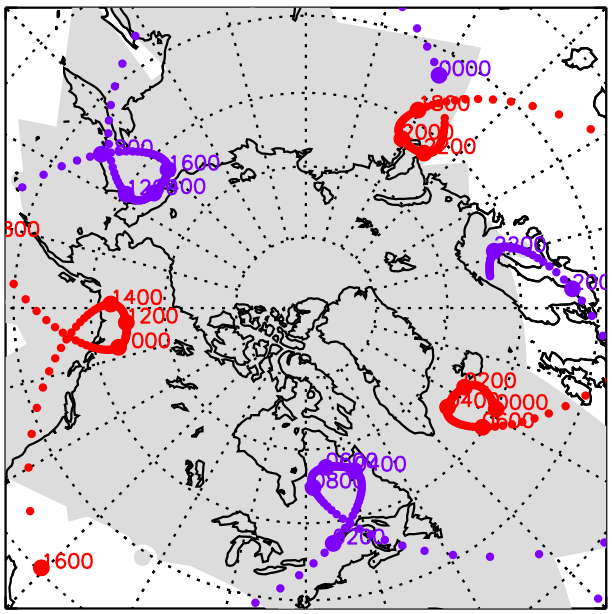


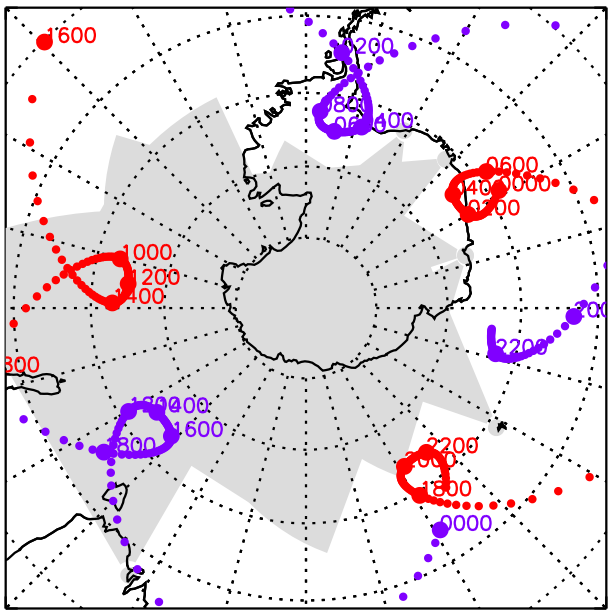


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

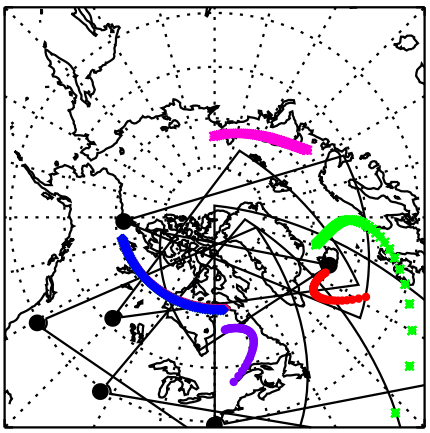
24–Sep–2016

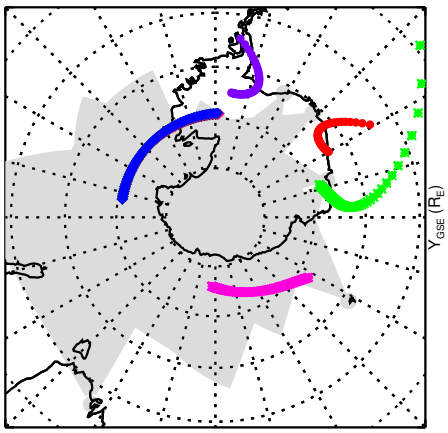
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

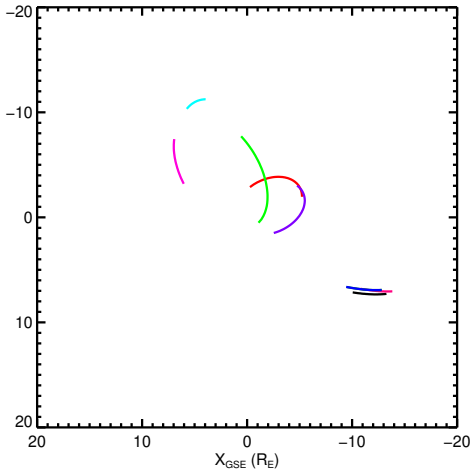




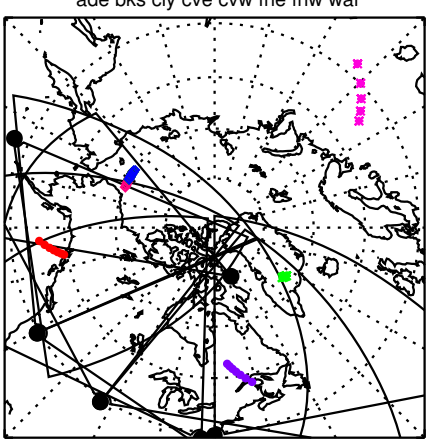
(a) 0200UT to 0625UT
cve fhe inv sas sto wal



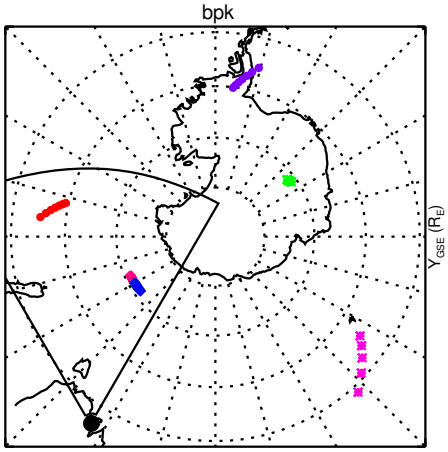


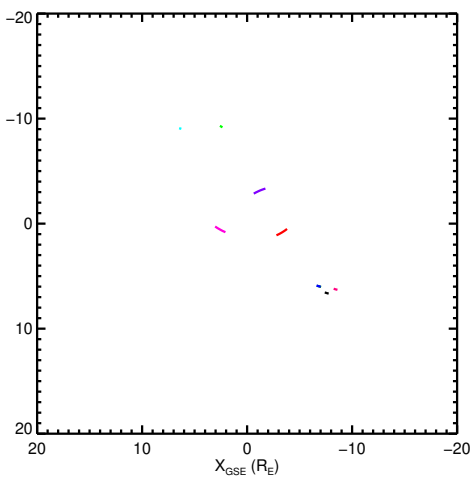


(b) 0830UT to 0900UT
ade bks cly cve cvw fhe fhw wal

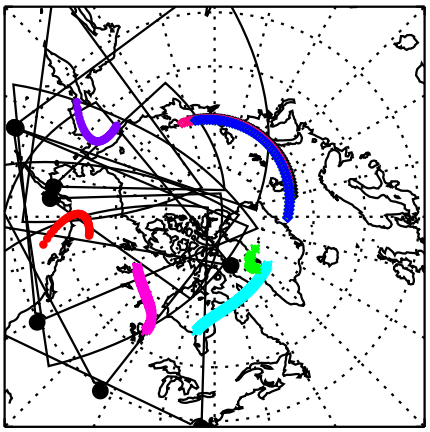


bpk

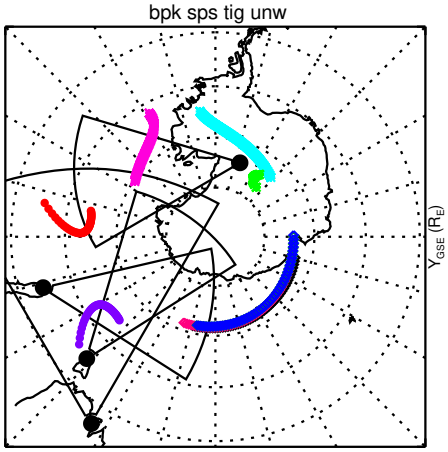


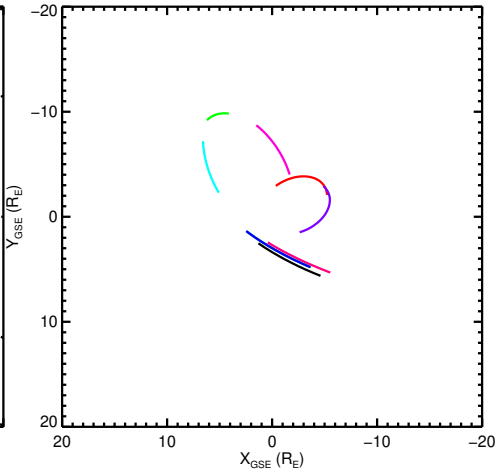


(c) 1105UT to 1520UT
ade adw bks cly cvw fhw hok kod ksr

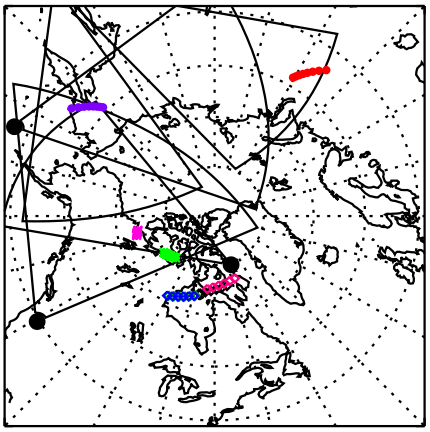


bpk sps tig unw

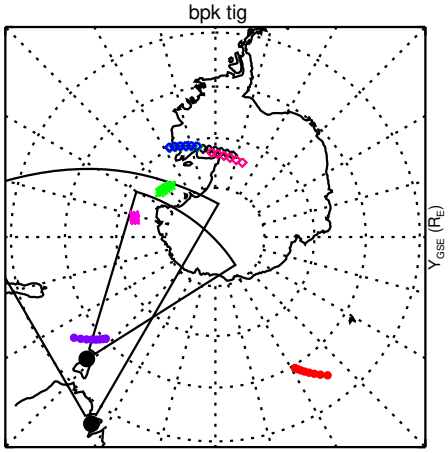


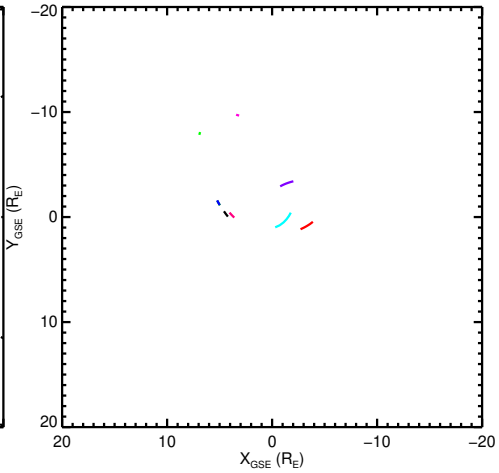


(d) 1725UT to 1800UT
adw cly cvw hkw hok

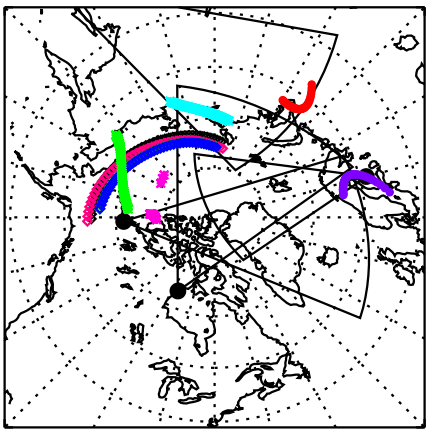


bpk tig

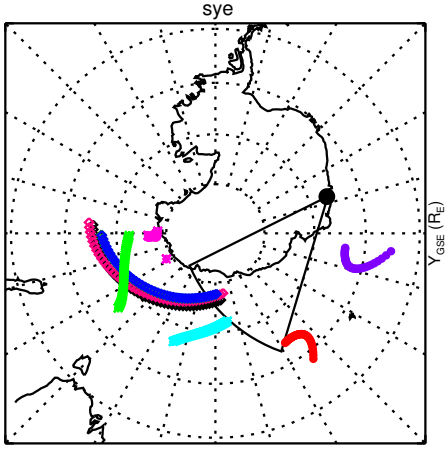


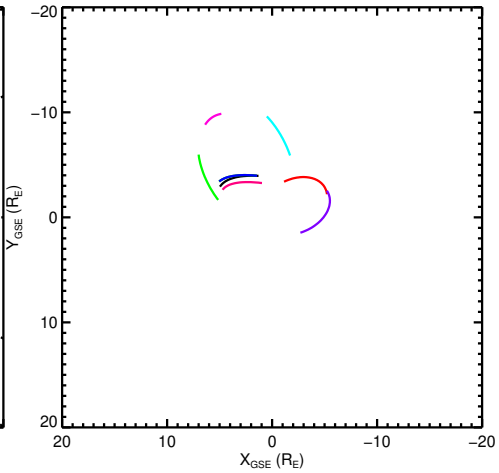


(e) 2010UT to 2355UT
han hkw inv rkn



sye

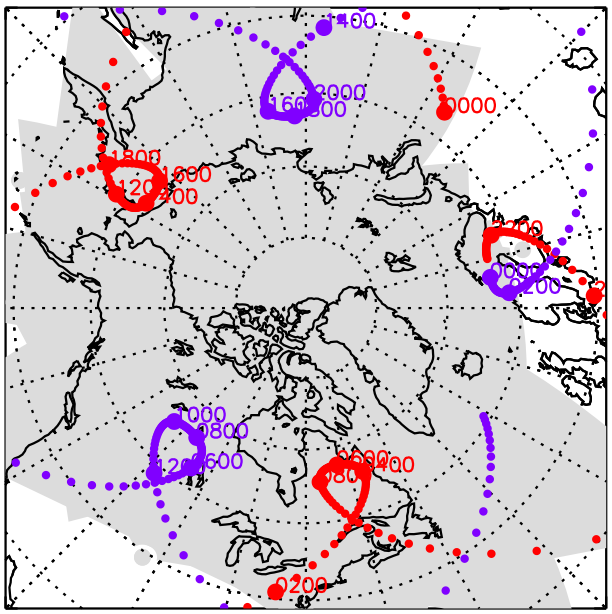


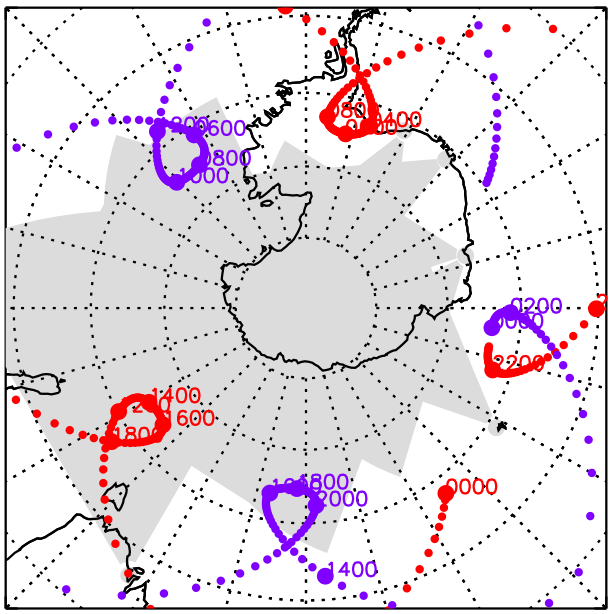


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

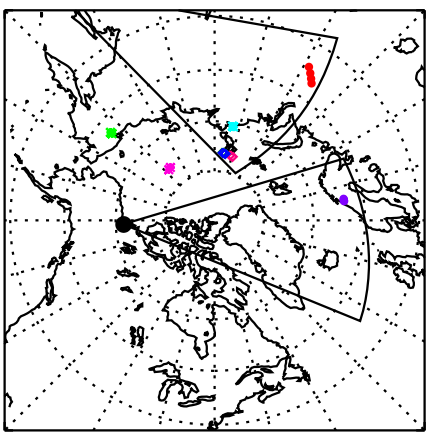
25–Sep–2016

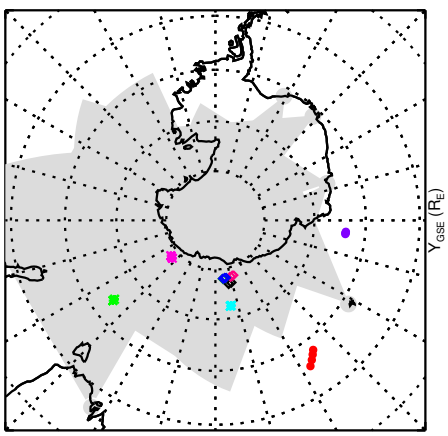
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

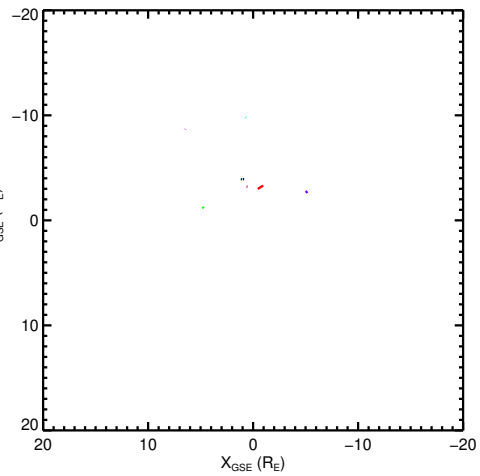




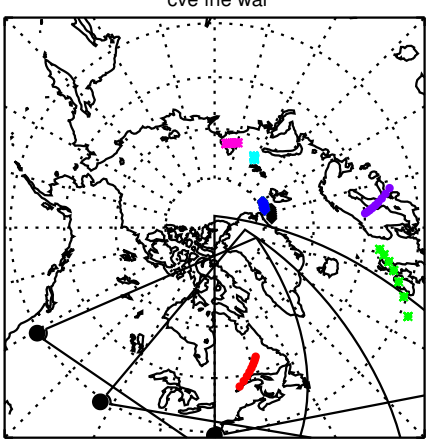
(a) 0000UT to 0015UT
hkw inv

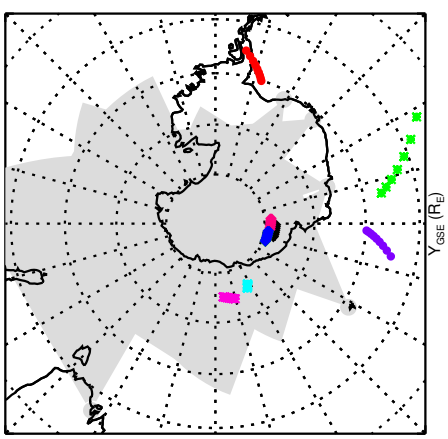


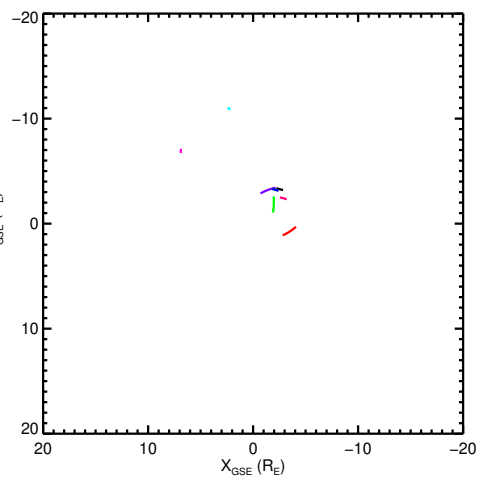




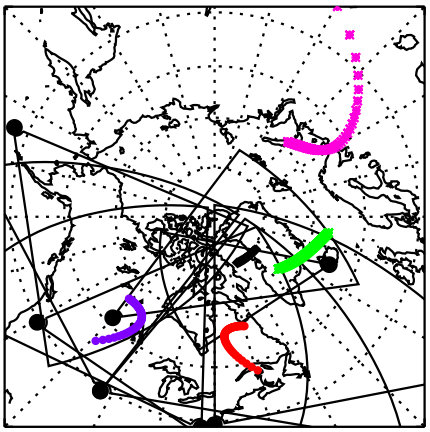
(b) 0225UT to 0305UT
cve fhe wal



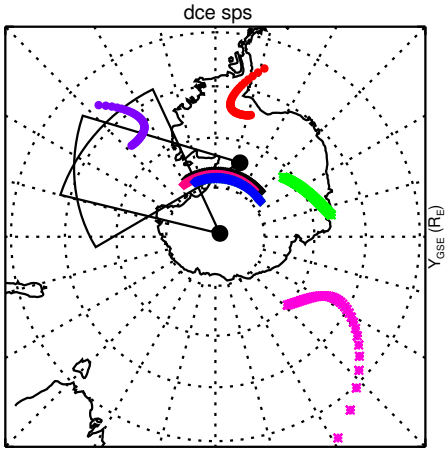


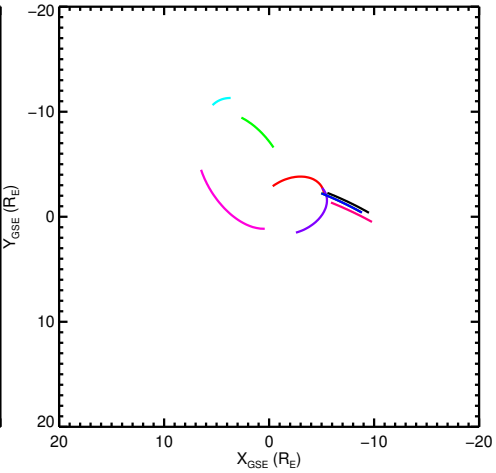


(c) 0510UT to 0915UT
ade bks cve fhe fhw sas sto wal

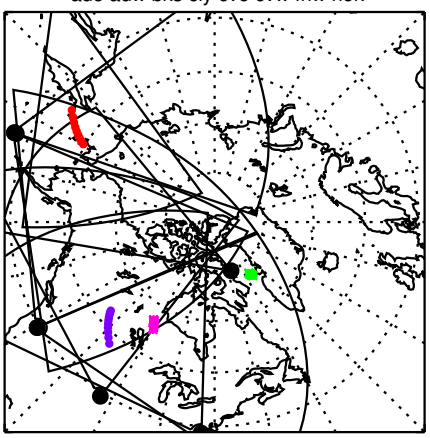


dce sps

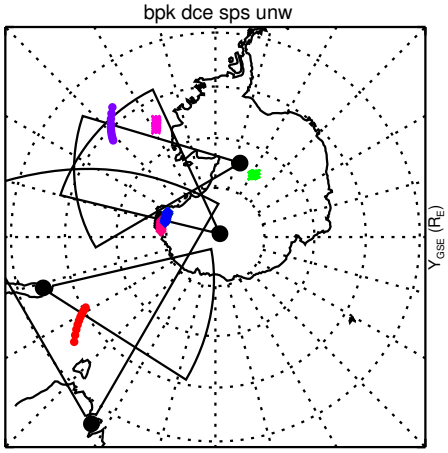


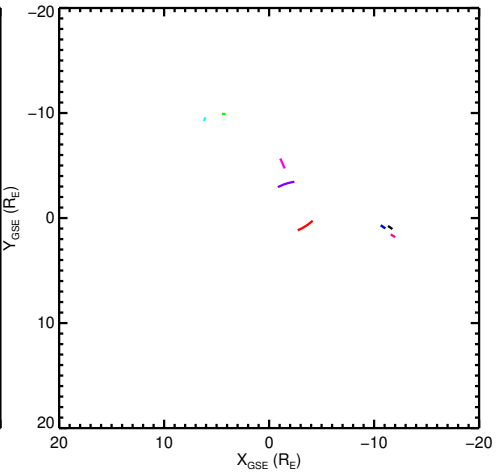


(d) 1120UT to 1205UT
ade adw bks cly cve cvw fhw hok

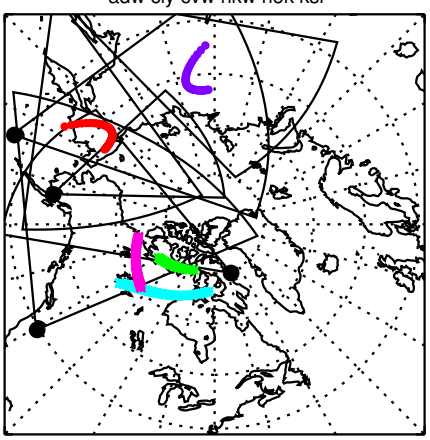


bpk dce sps unw

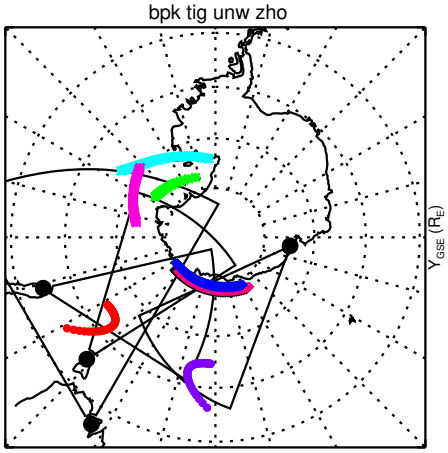


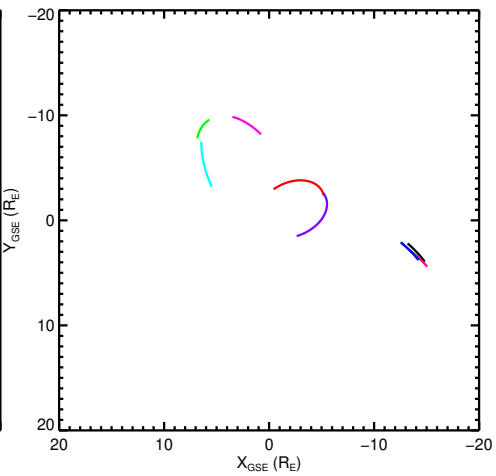


(e) 1415UT to 1810UT
adw cly cvw hkw hok ksr

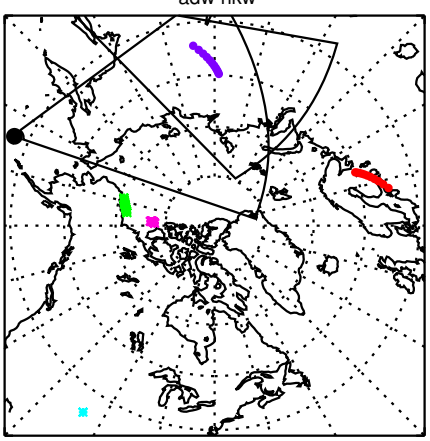


bpk tig unw zho

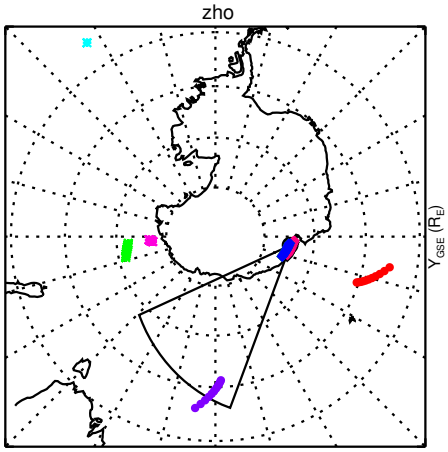


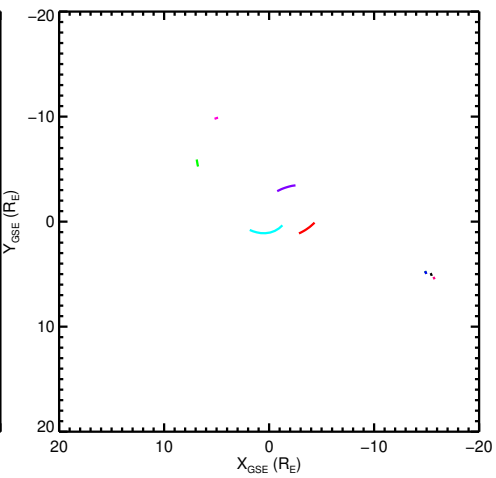


(f) 2020UT to 2110UT
adw hkw

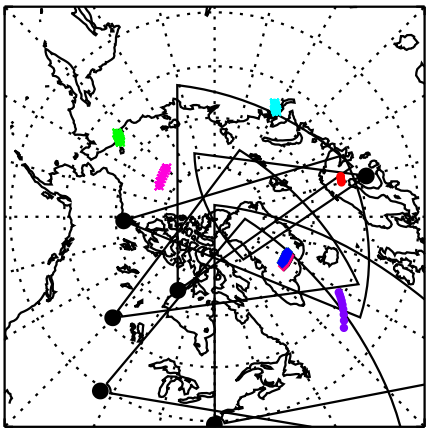


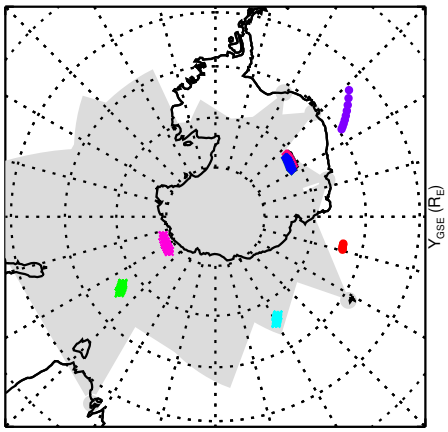
zho

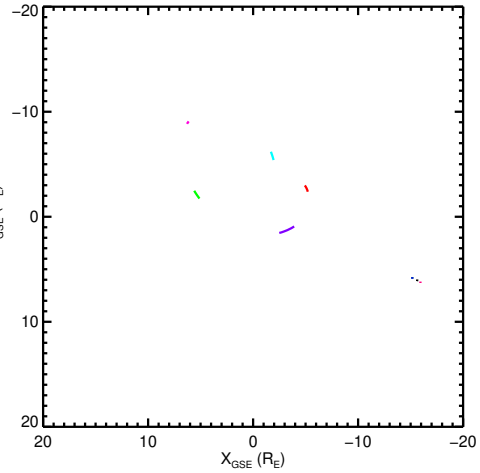




(g) 2315UT to 2355UT
fhe han inv rkn sas wal



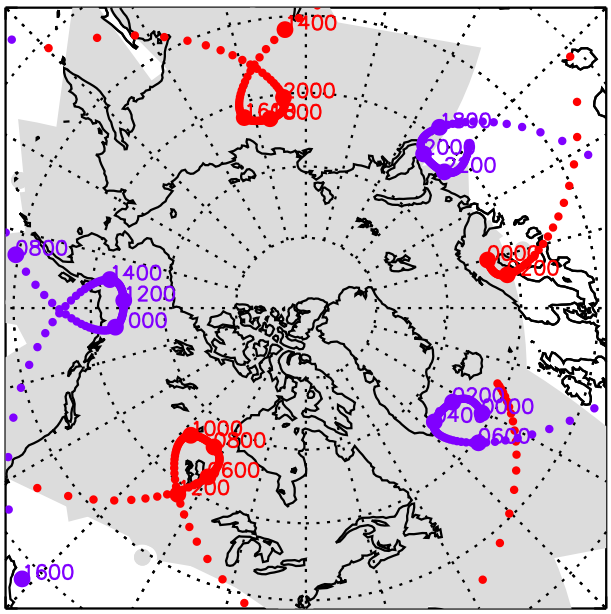


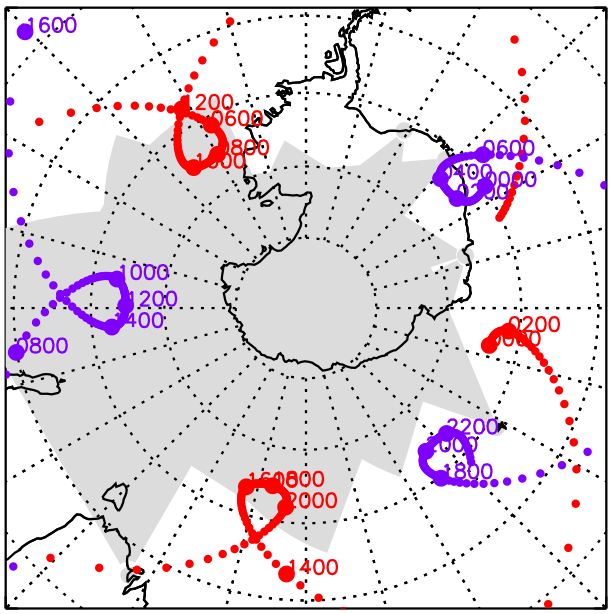


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

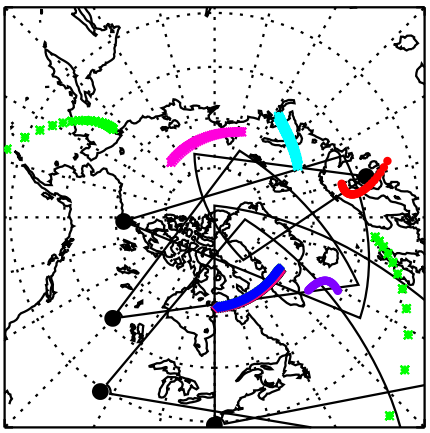
26–Sep–2016

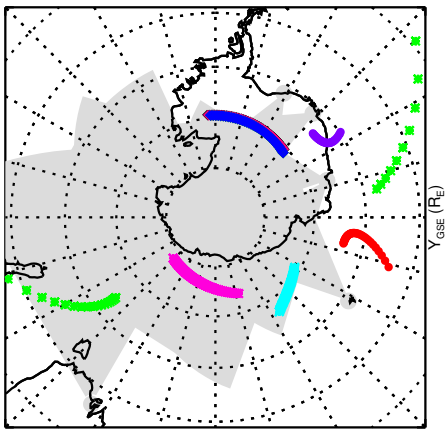
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

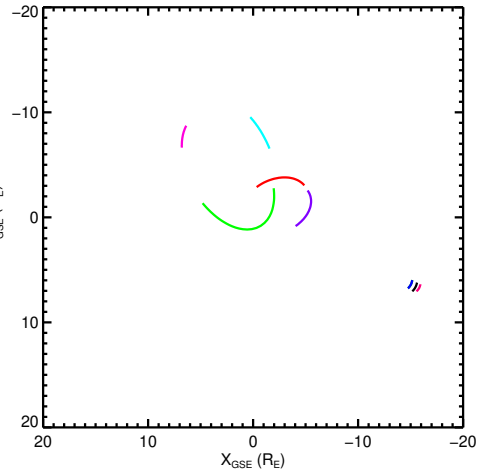




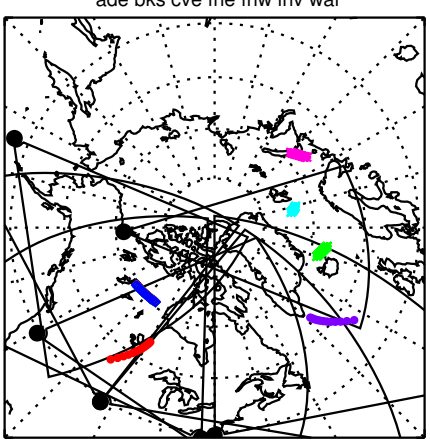
(a) 0000UT to 0310UT
fhe han inv sas wal



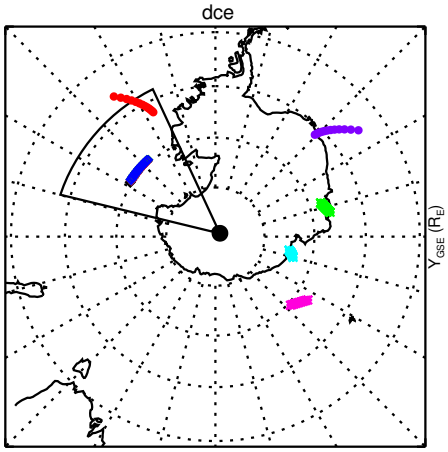


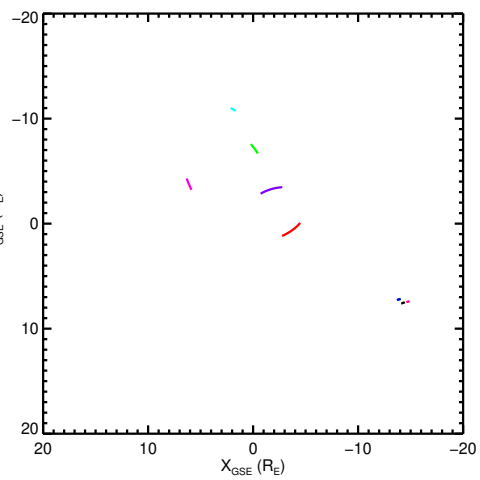


(b) 0515UT to 0615UT
ade bks cve fhe fhw inv wal

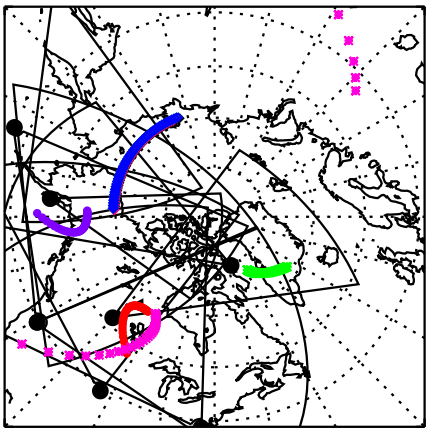


dce

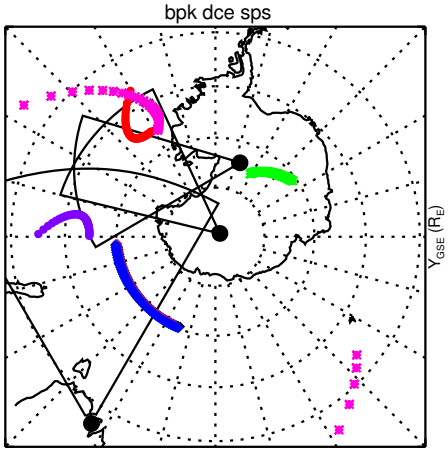


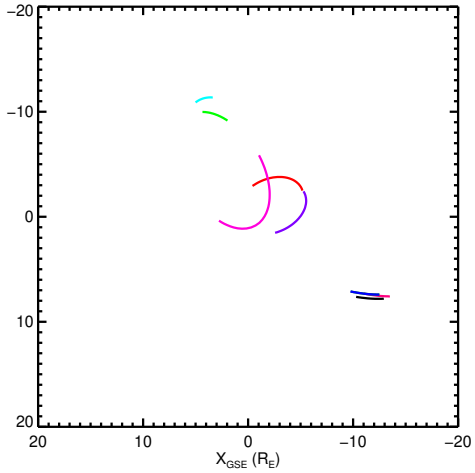


(c) 0820UT to 1205UT
ade bks cly cve cvw fhw hok kod sas

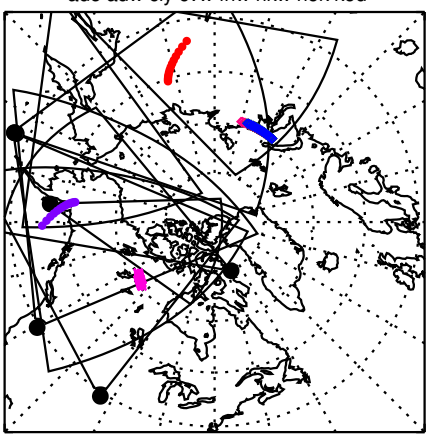


bpk dce sps

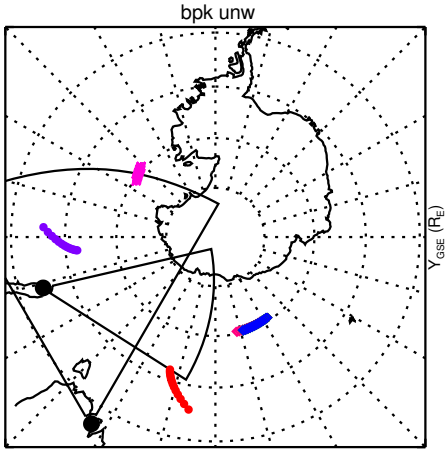


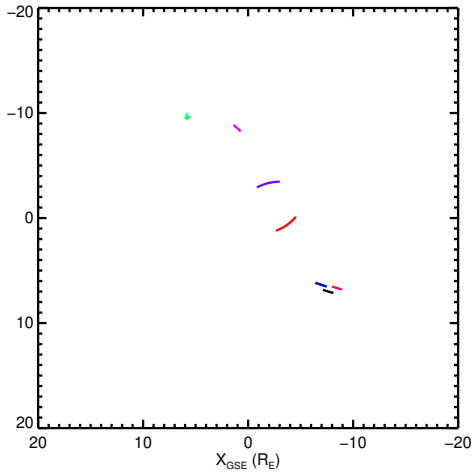


(d) 1410UT to 1515UT
ade adw cly cvw fhw hkw hok kod

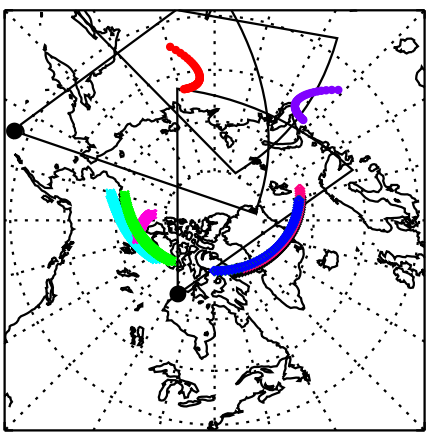


bpk unw

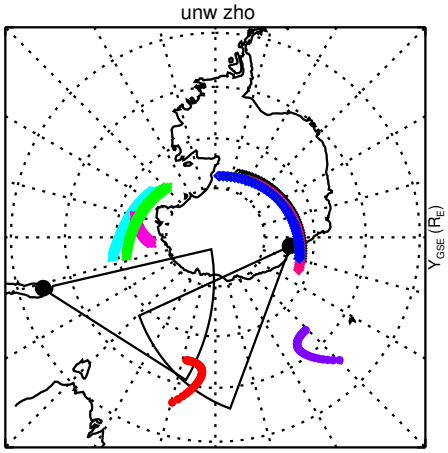


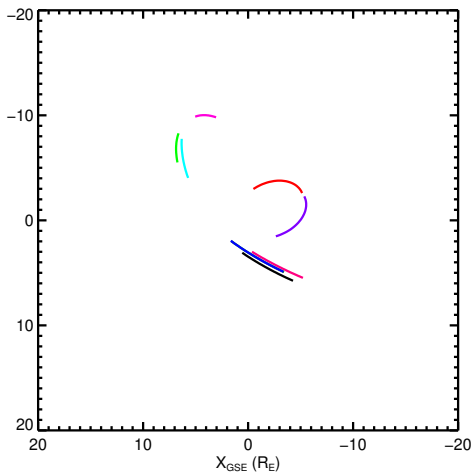


(e) 1725UT to 2100UT
adw hkw rkn

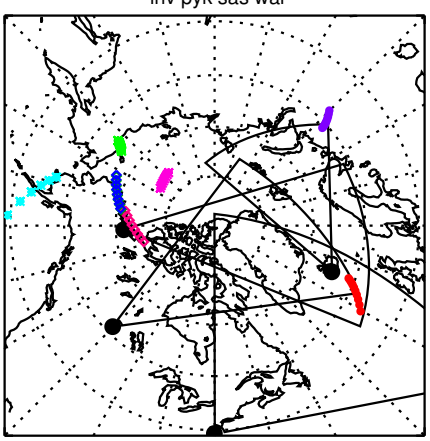


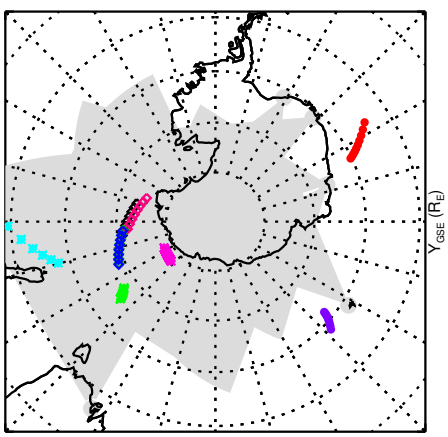
unw zho

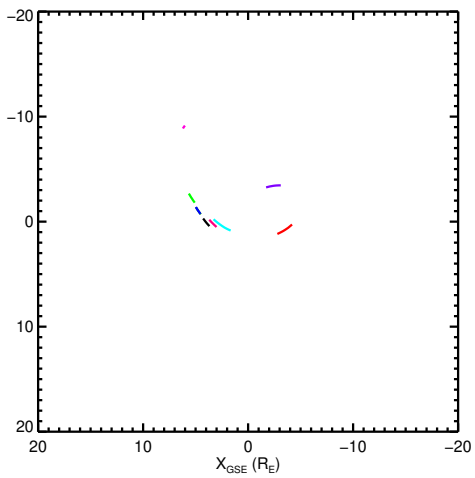




(f) 2310UT to 2355UT
inv pyk sas wal



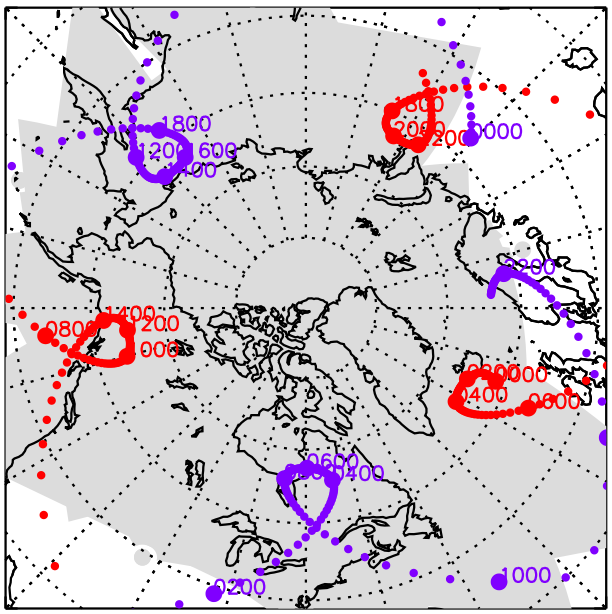


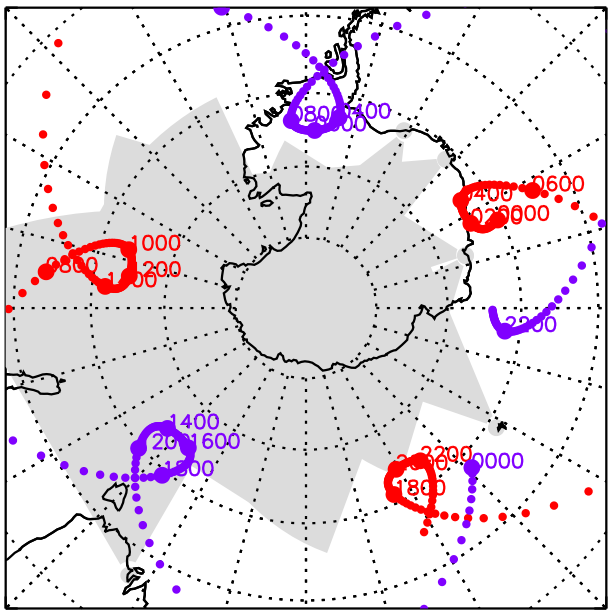


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

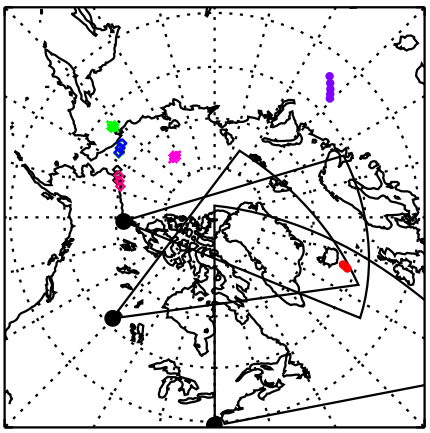
27−Sep−2016

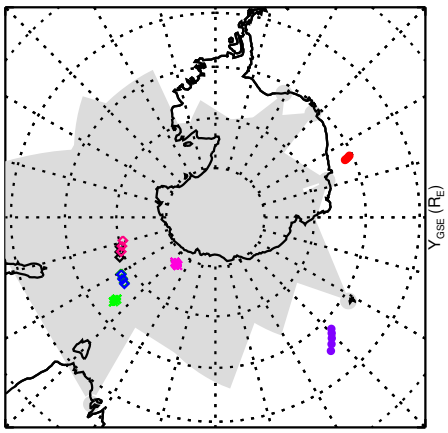
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

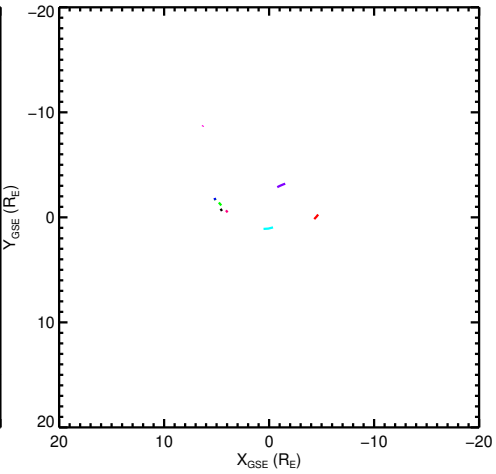




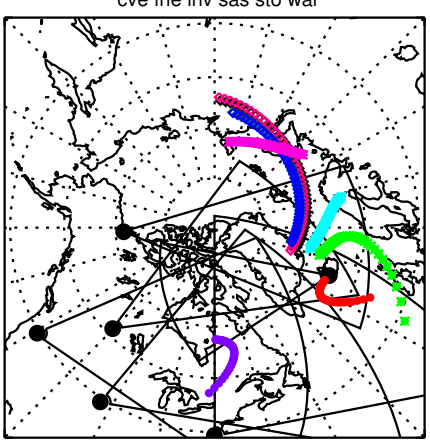
(a) 0000UT to 0020UT
inv sas wal

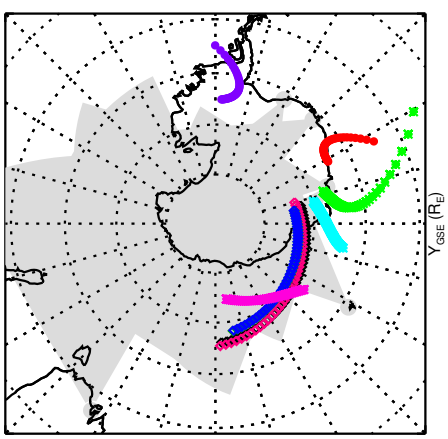


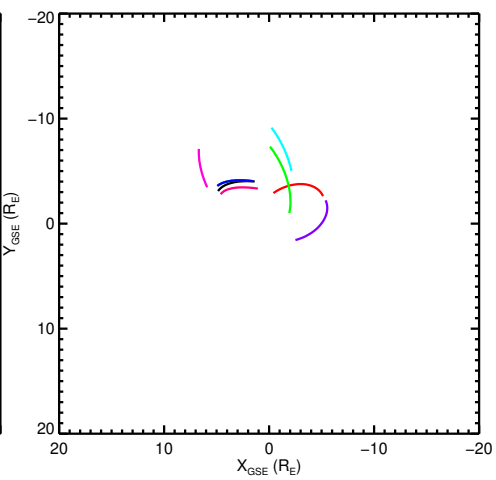




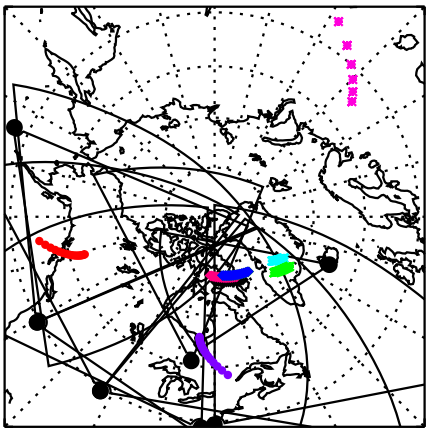
(b) 0225UT to 0600UT
cve fhe inv sas sto wal



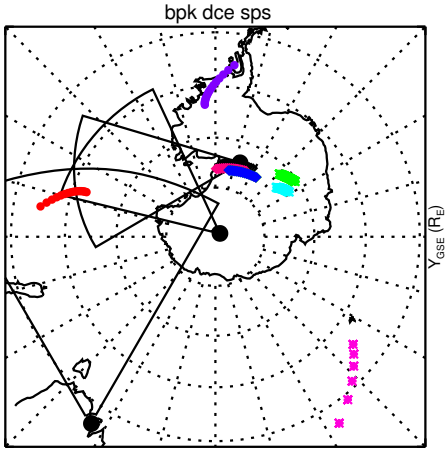


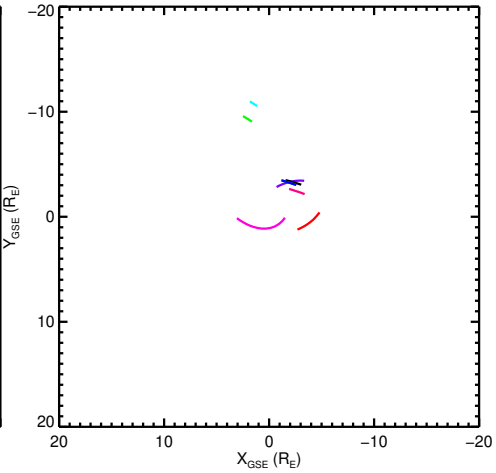


(c) 0805UT to 0925UT
ade bks cve cvw fhe fhw kap sto wal

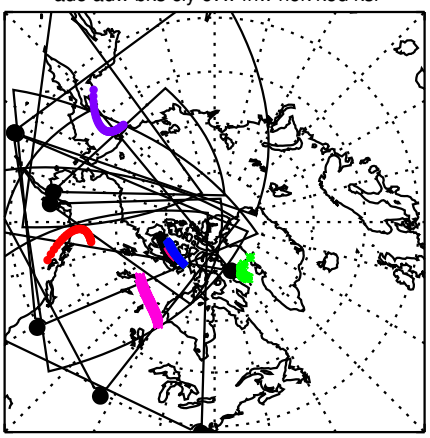


bpk dce sps

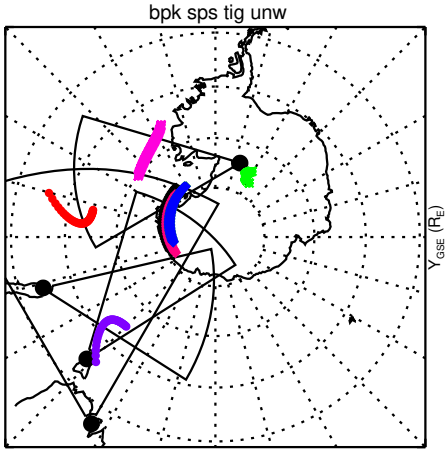


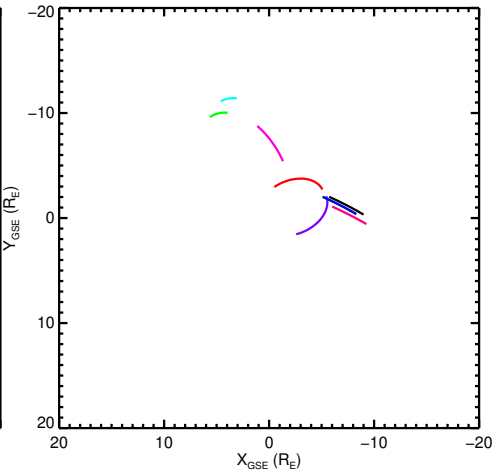


(d) 1130UT to 1455UT
ade adw bks cly cvw fhw hok kod ksr

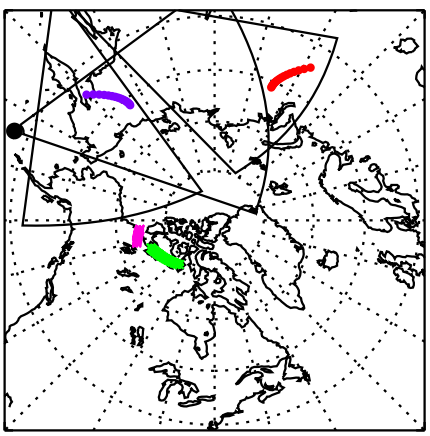


bpk sps tig unw

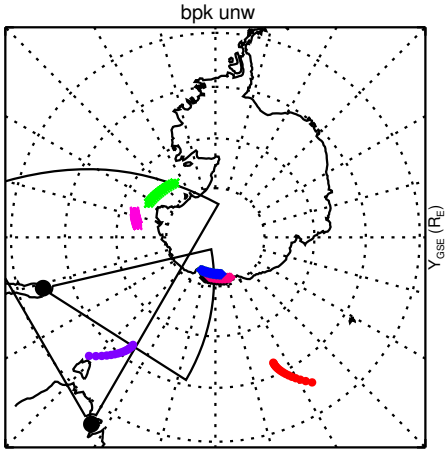


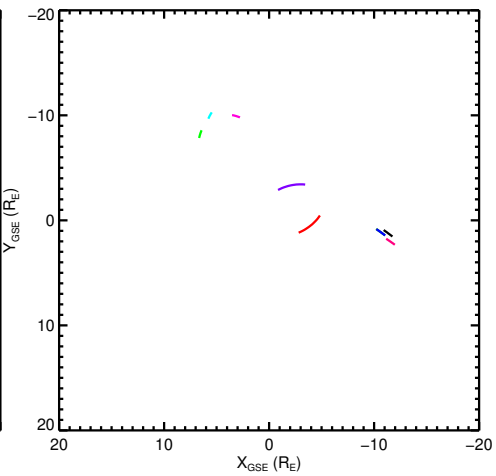


(e) 1705UT to 1825UT
adw hkw hok

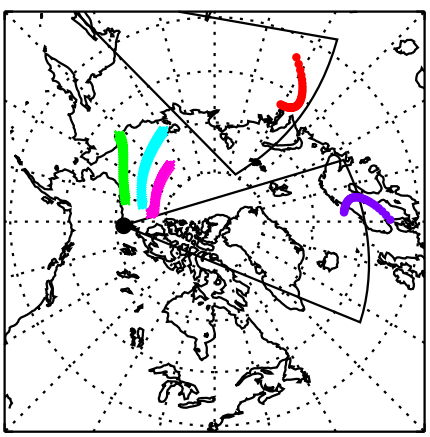


bpk unw

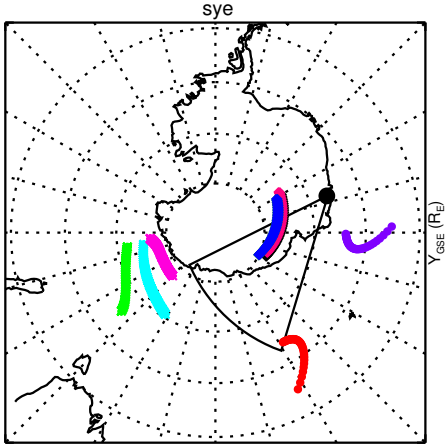


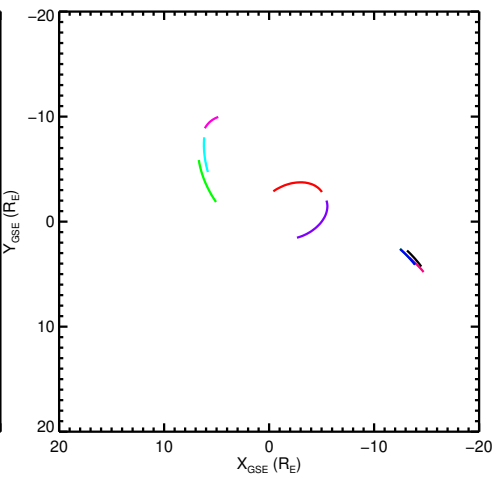


(f) 2035UT to 2355UT
hkw inv



sye

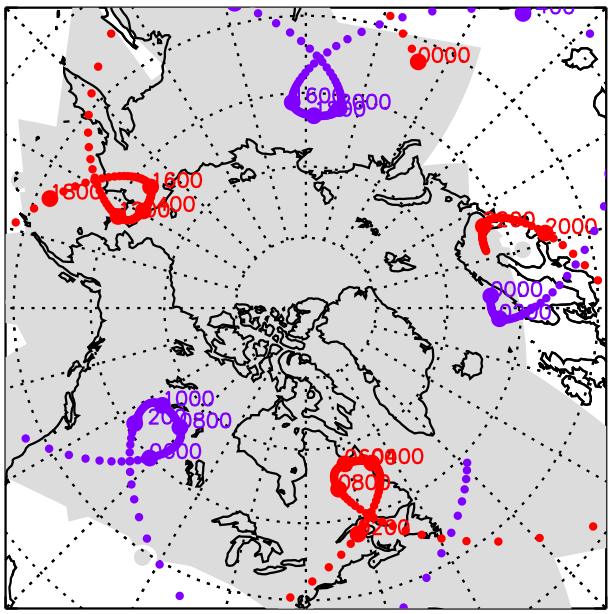


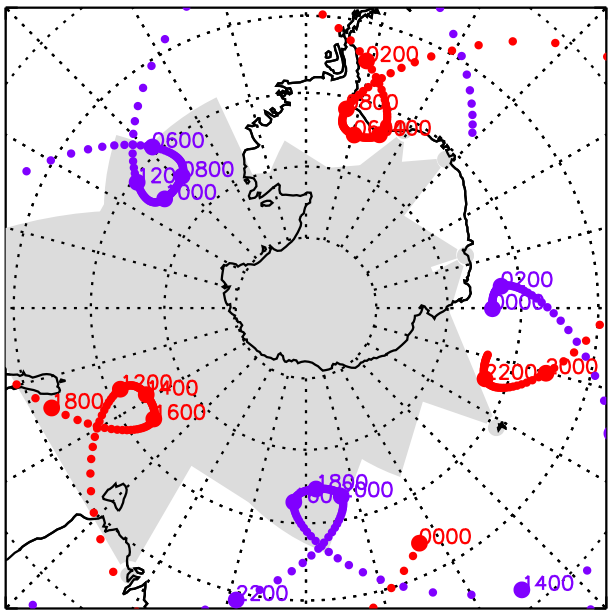


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

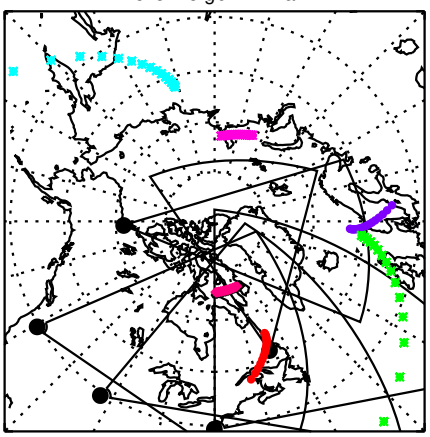
28–Sep–2016

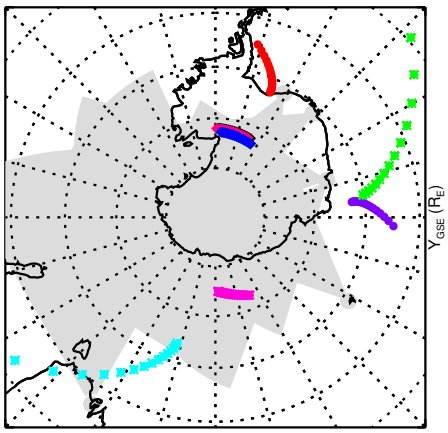
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

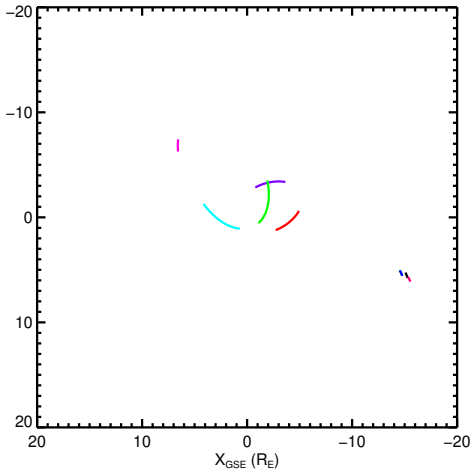




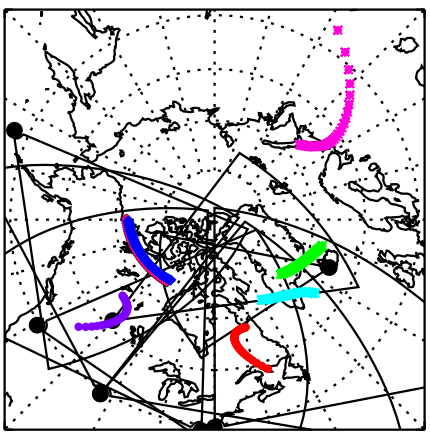
(a) 0200UT to 0330UT
cve fhe gbr inv wal



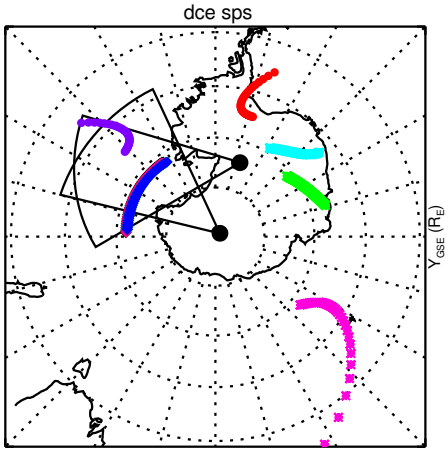


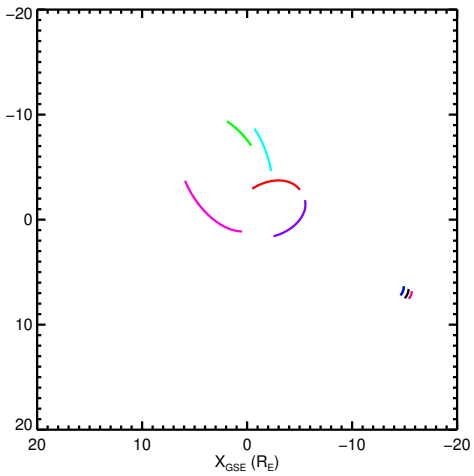


(b) 0535UT to 0850UT
ade bks cve fhe fhw sas sto wal

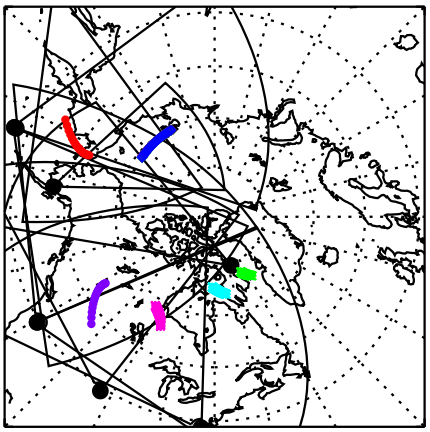


dce sps

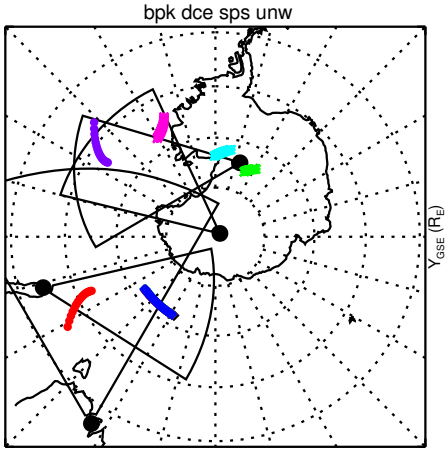


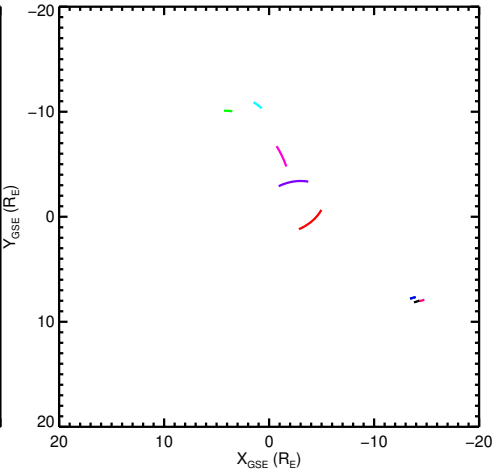


(c) 1100UT to 1230UT
ade adw bks cly cve cvw fhw hok ksr

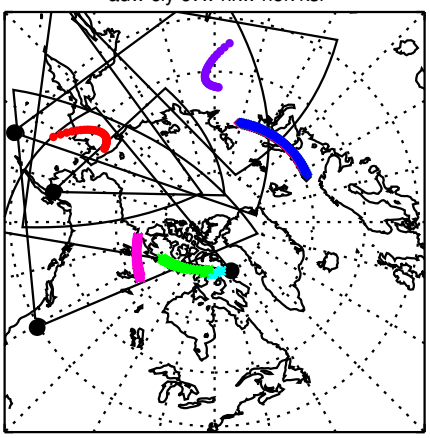


bpk dce sps unw

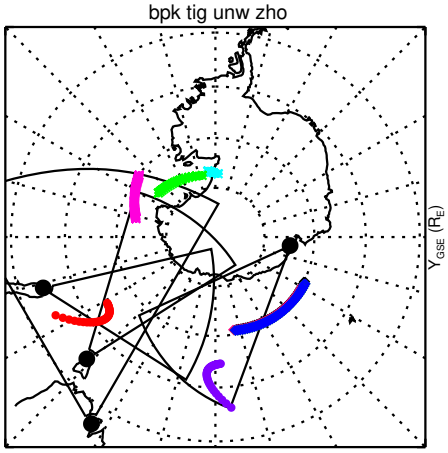


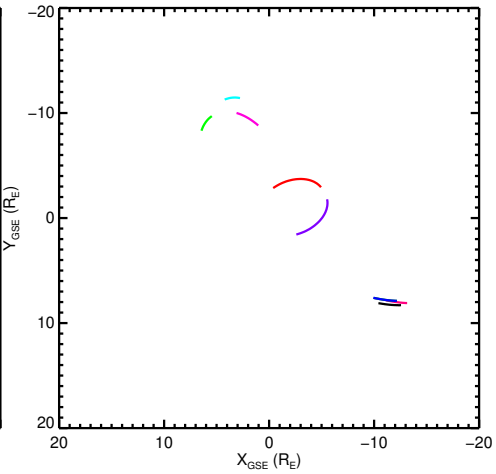


(d) 1440UT to 1750UT
adw cly cvw hkw hok ksr

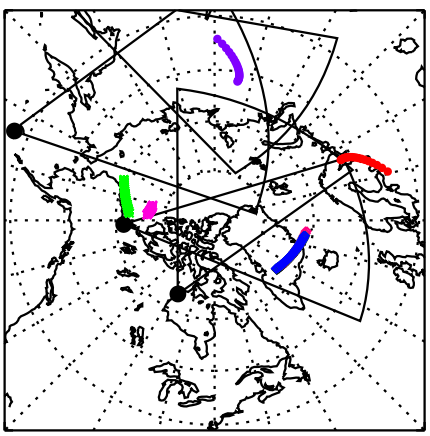


bpk tig unw zho

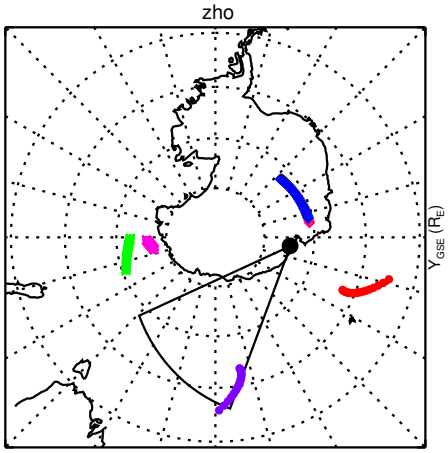


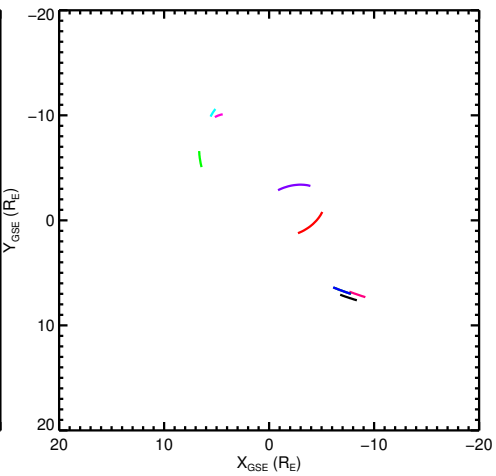


(e) 1955UT to 2135UT
adw hkw inv rkn

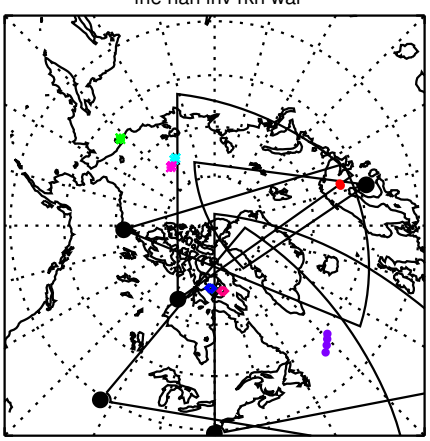


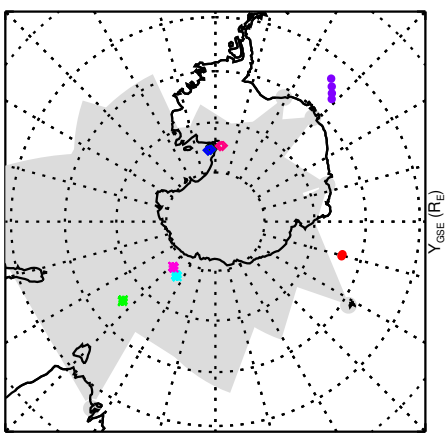
zho

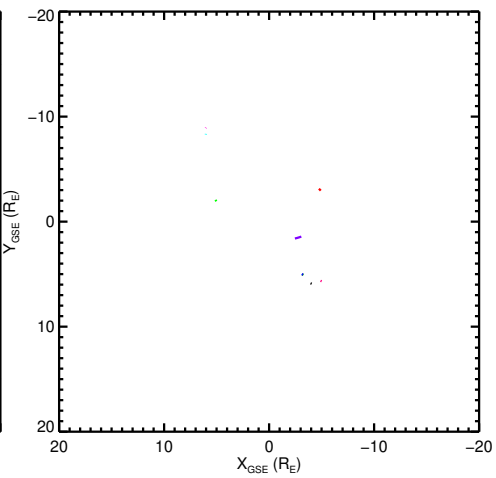




(f) 2340UT to 2355UT
fhe han inv rkn wal



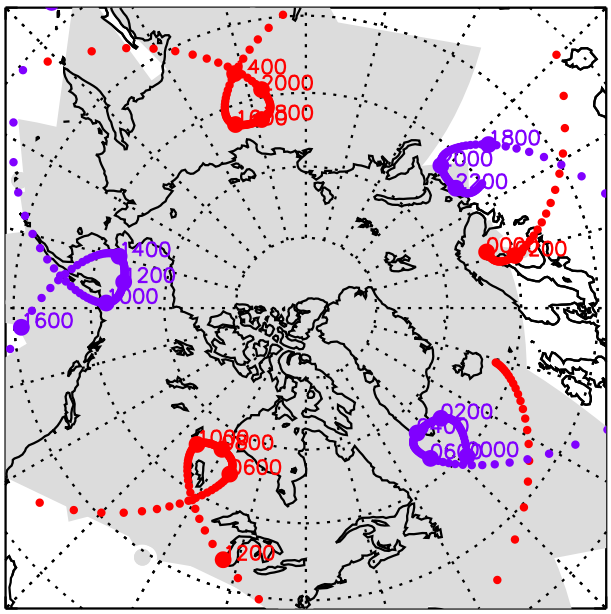


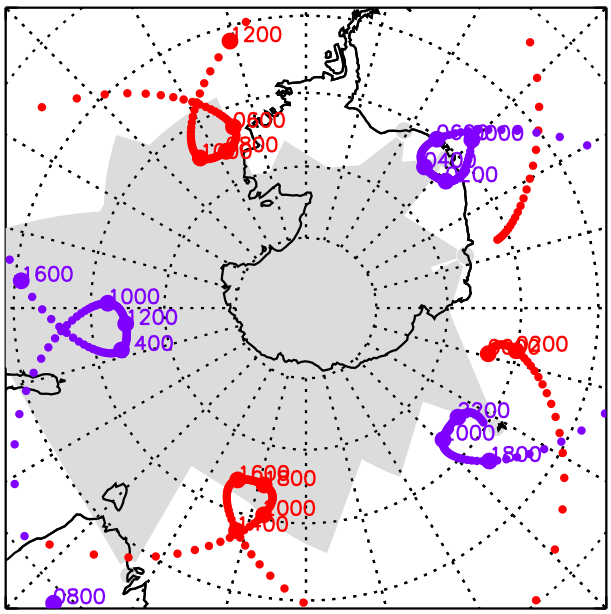


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

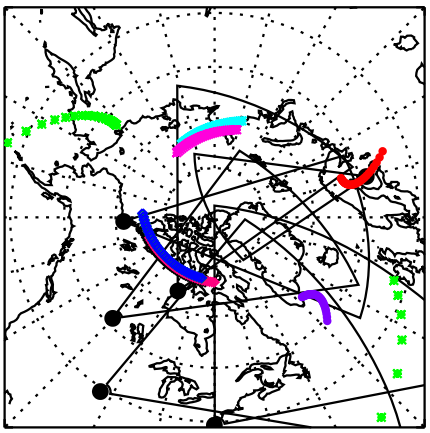
29–Sep–2016

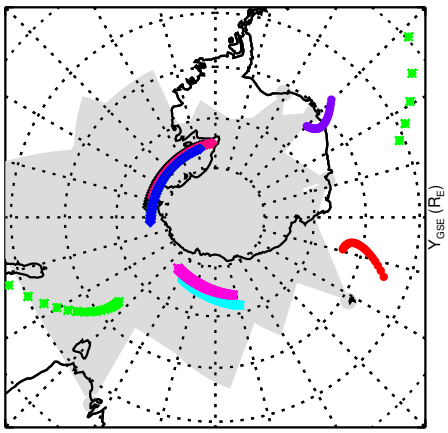
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

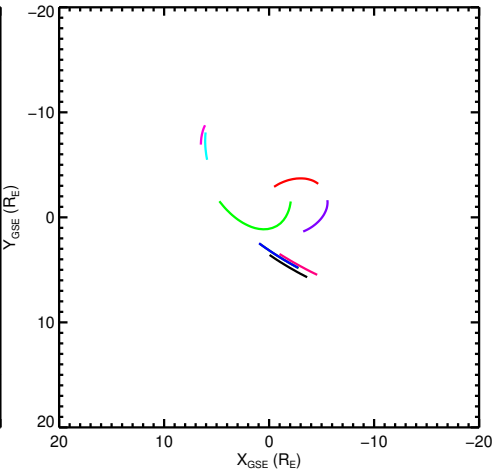




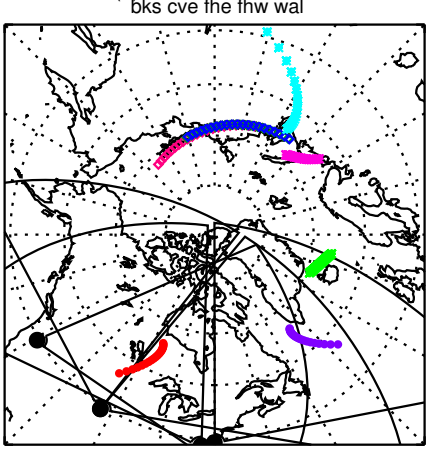
(a) 0000UT to 0245UT
fhe han inv rkn sas wal



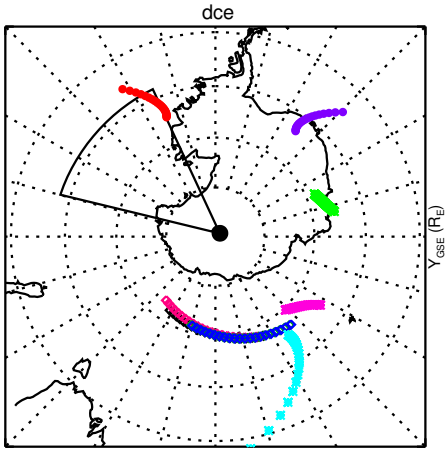


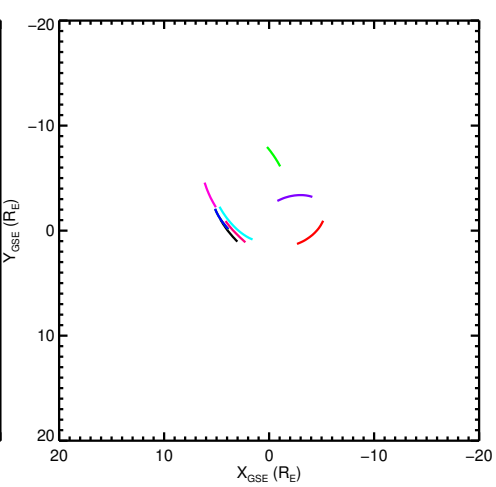


(b) 0450UT to 0640UT
bks cve fhe fhw wal

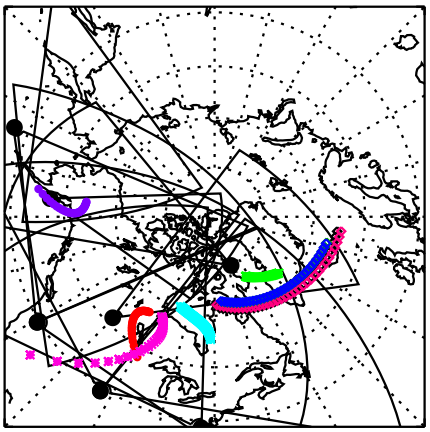


dce

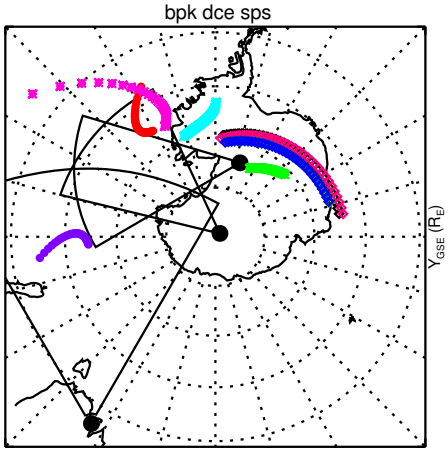


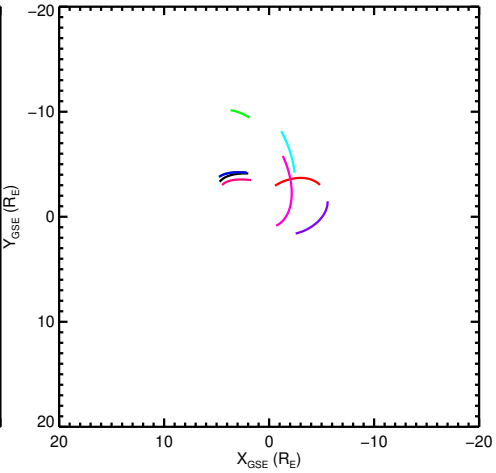


(c) 0845UT to 1140UT
ade bks cly cve cvw fhe fhw hok kod sas

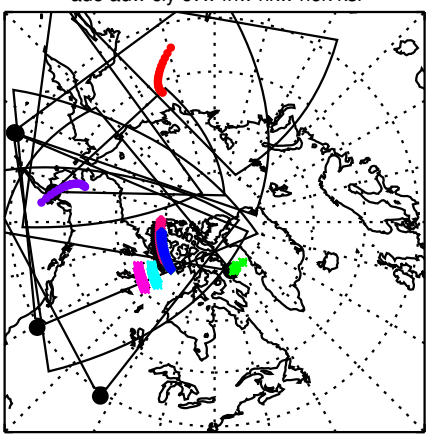


bpk dce sps

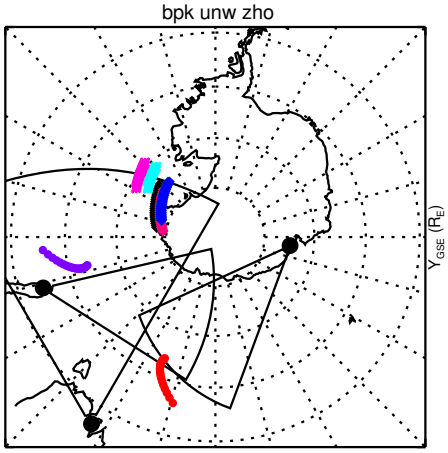


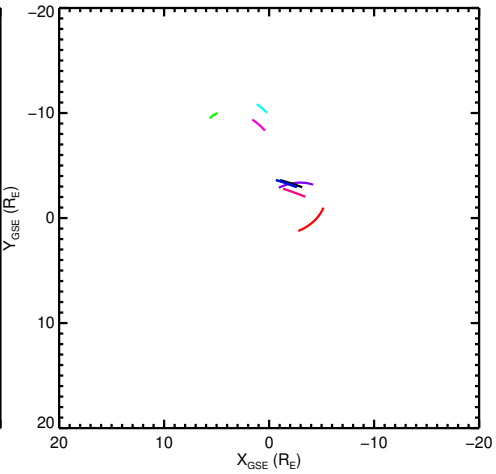


(d) 1350UT to 1540UT
ade adw cly cvw fhw hkw hok ksr

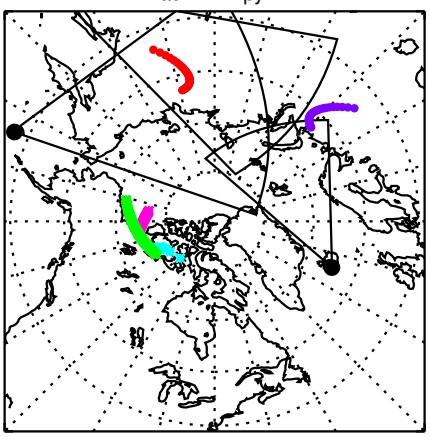


bpk unw zho

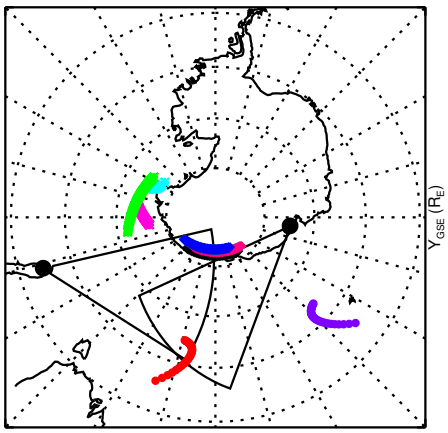


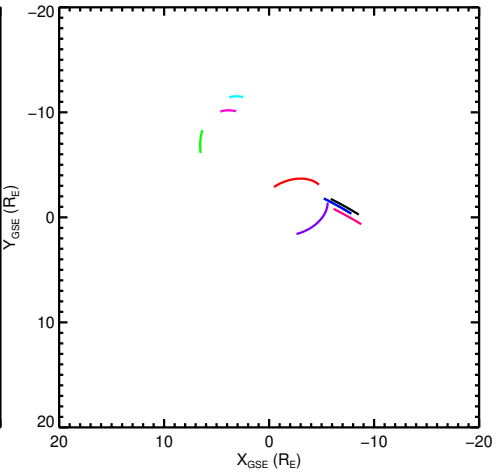


(e) 1750UT to 2040UT
adw hkw pyk

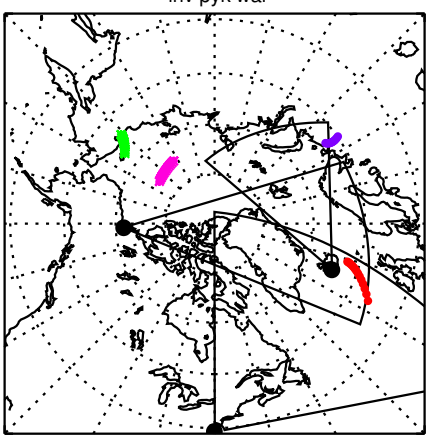


unw zho

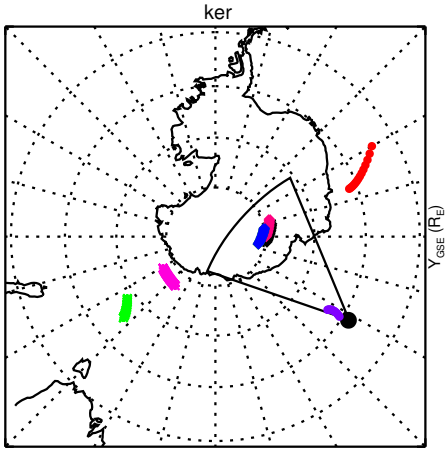


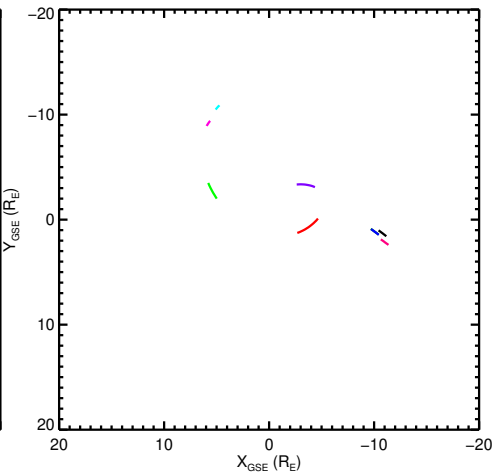


(f) 2245UT to 2355UT
inv pyk wal



ker

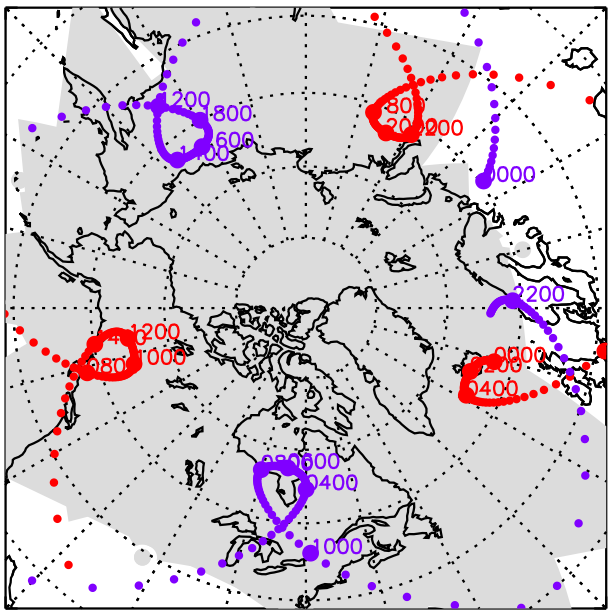


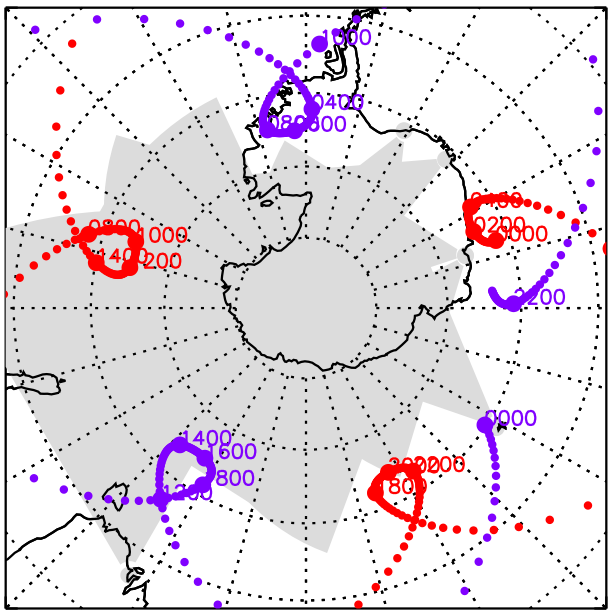


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

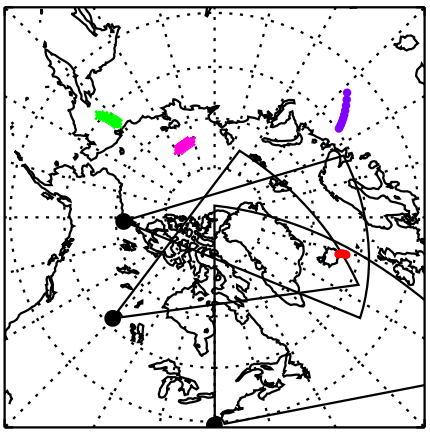
30–Sep–2016

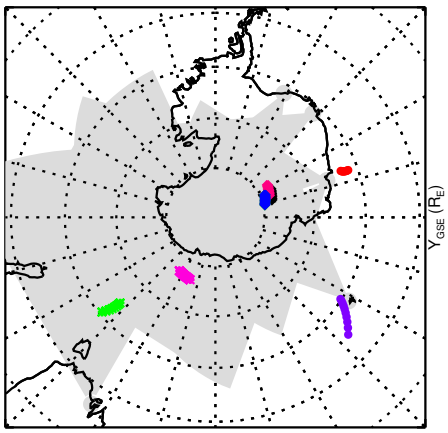
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

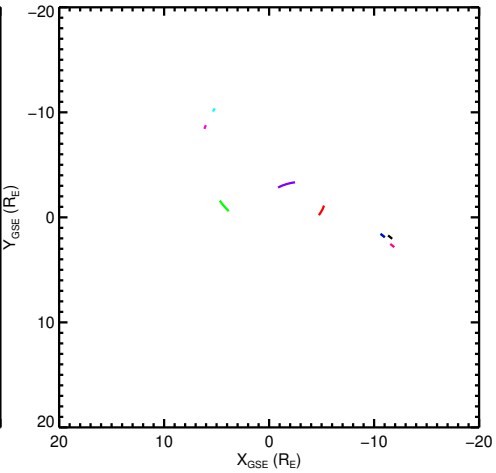




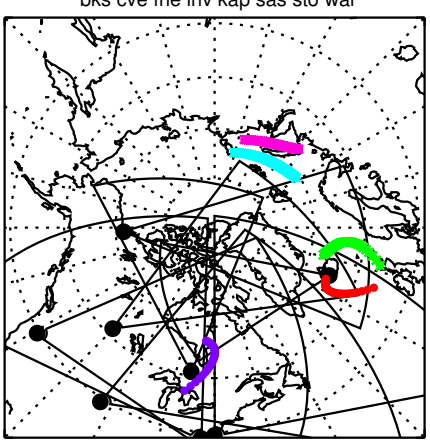
(a) 0000UT to 0045UT
inv sas wal

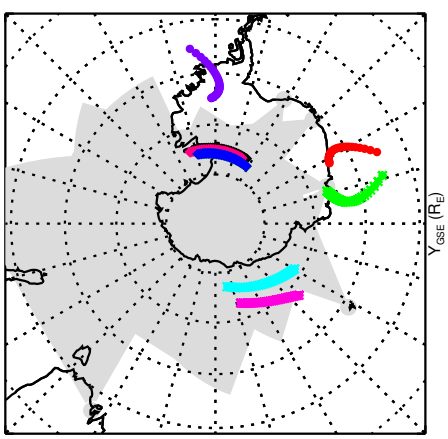


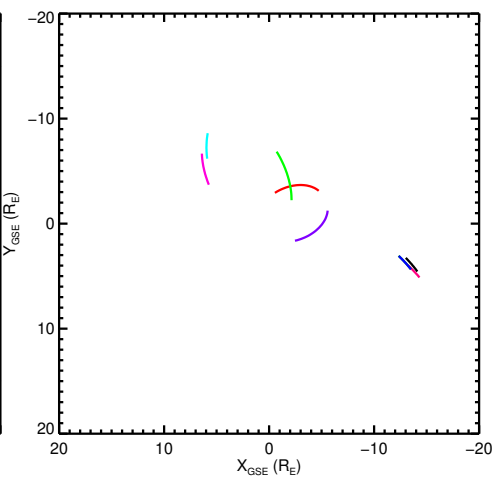




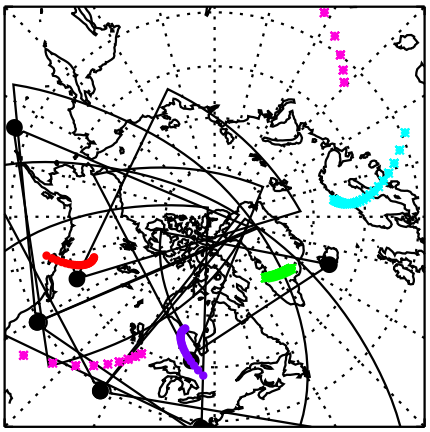
(b) 0250UT to 0535UT
bks cve fhe inv kap sas sto wal



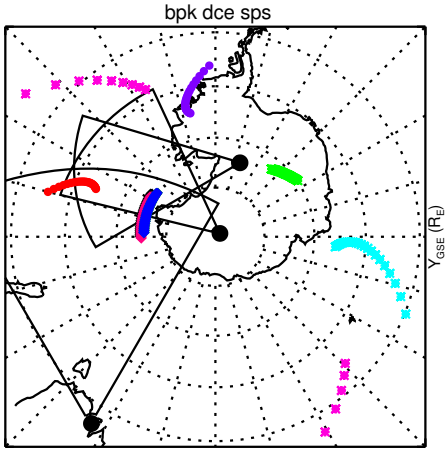


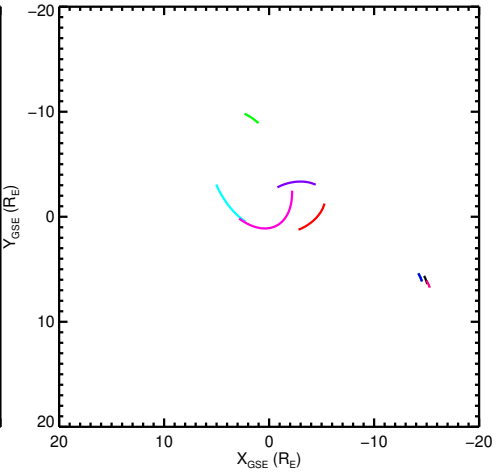


(c) 0745UT to 0950UT
ade bks cve cvw fhe fhw kap pgr sto

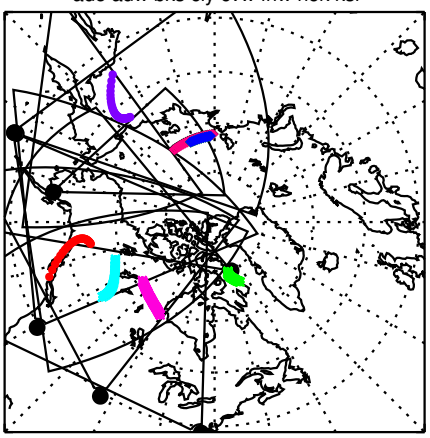


bpk dce sps

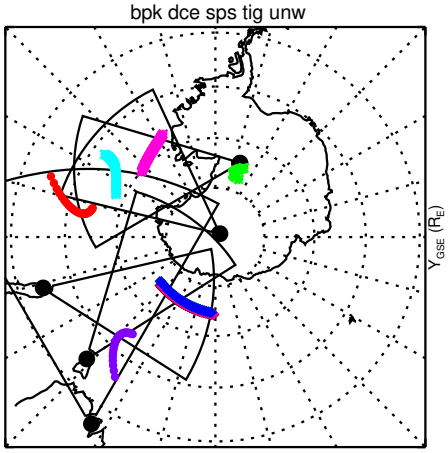


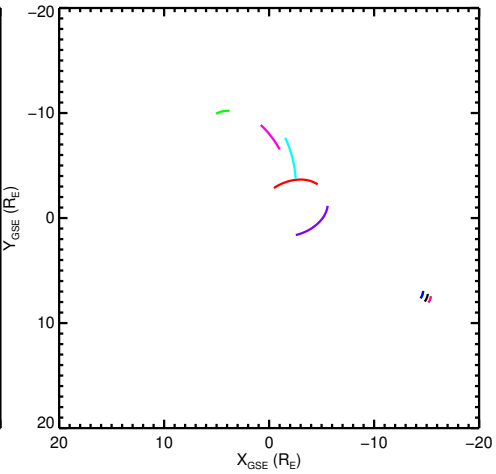


(d) 1155UT to 1435UT
ade adw bks cly cvw fhw hok ksr

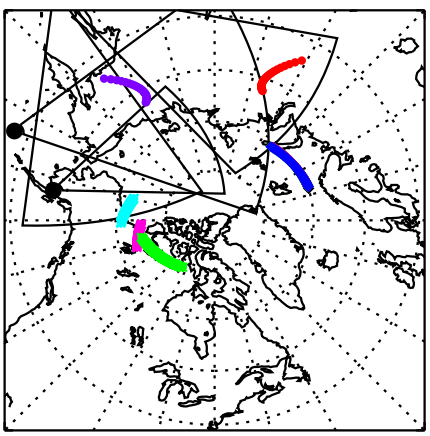


bpk dce sps tig unw

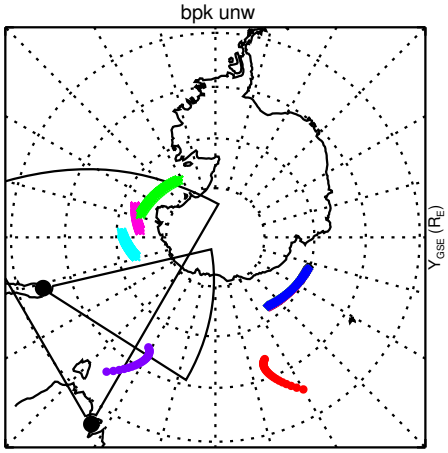


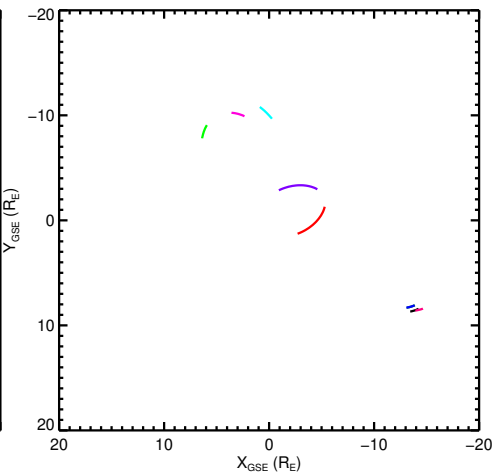


(e) 1640UT to 1850UT
adw hkw hok ksr

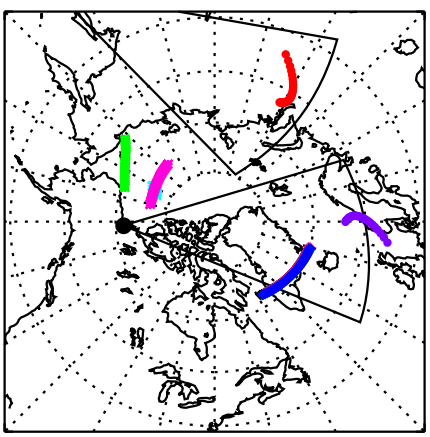
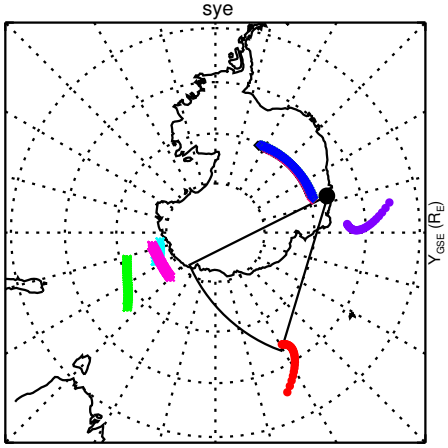
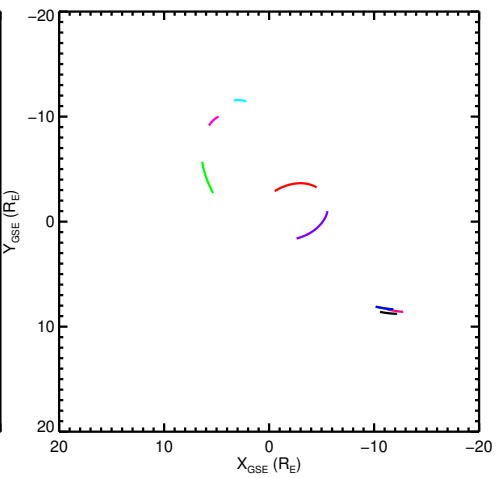


bpk unw





(f) 2100UT to 2330UT
hkw inv



sye