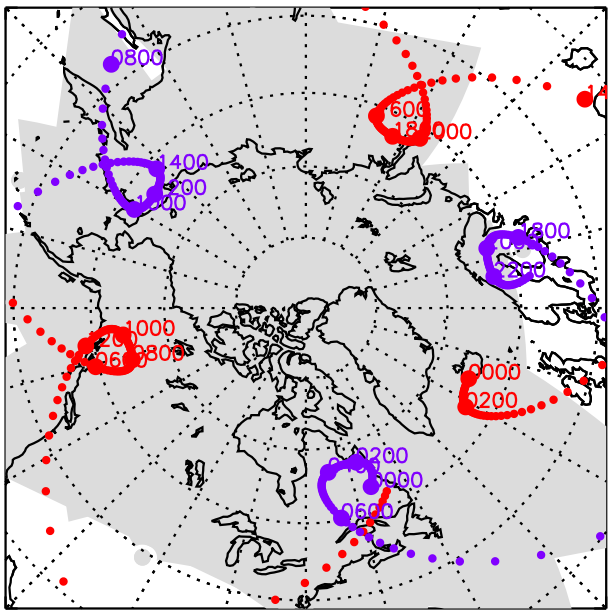
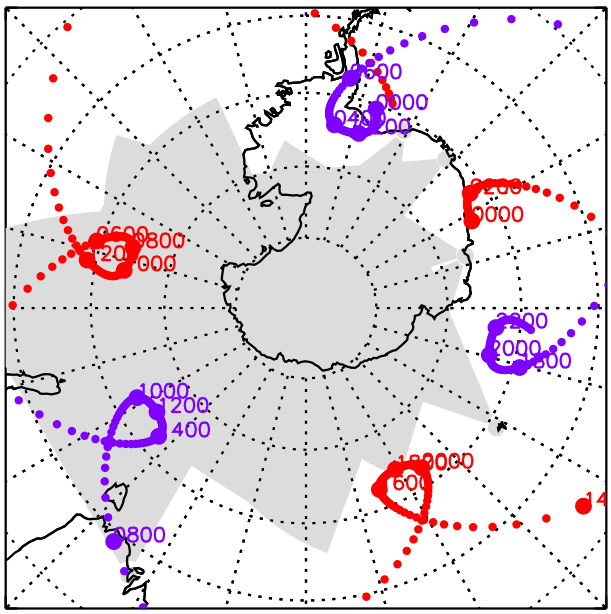
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

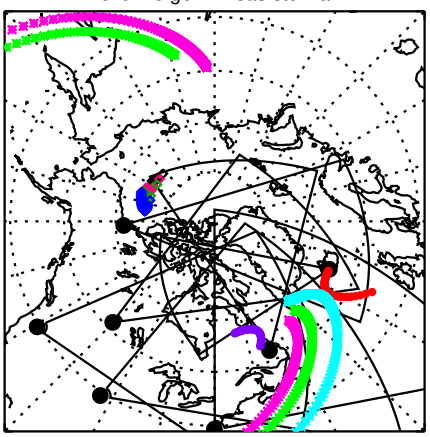
01−Dec−2016

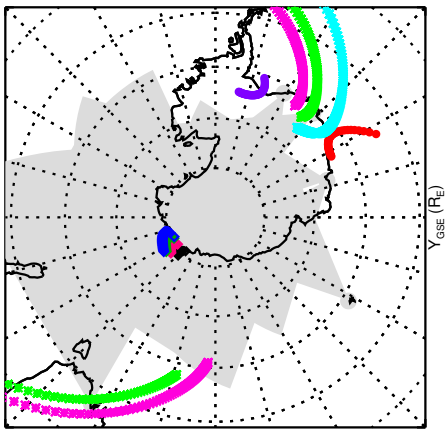
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

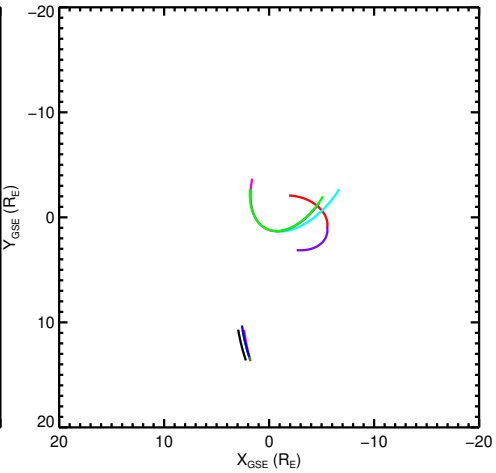




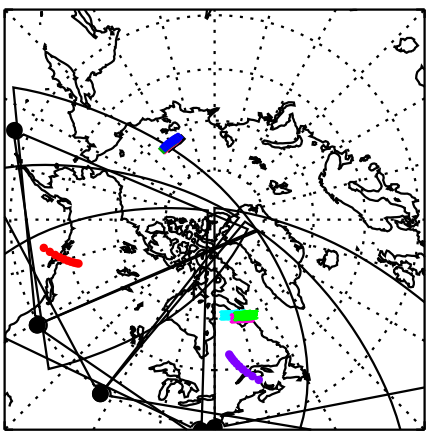
(a) 0000UT to 0330UT
cve fhe gbr inv sas sto wal



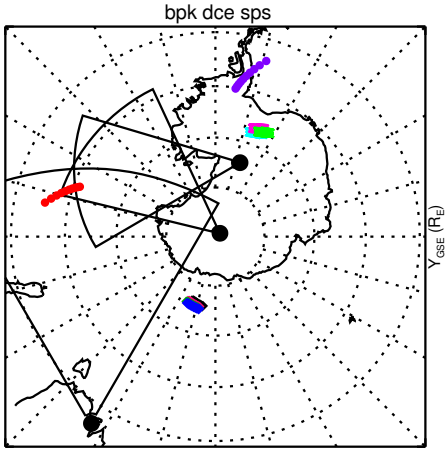


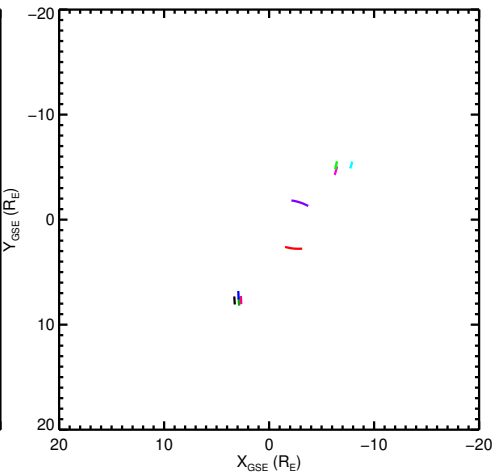


(b) 0535UT to 0620UT
ade bks cve cvw fhe fhw wal

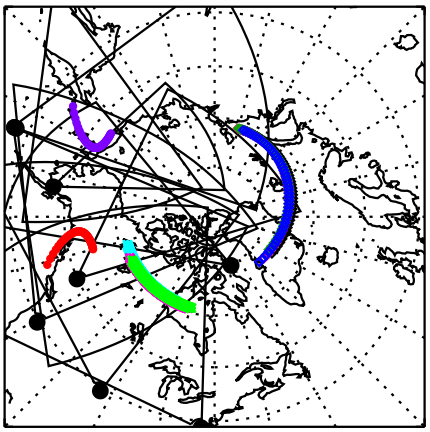


bpk dce sps

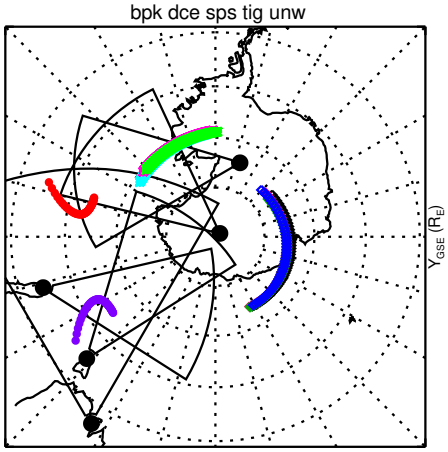


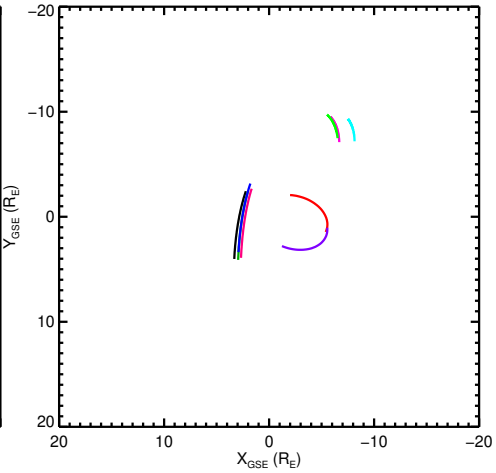


(c) 0825UT to 1225UT
ade adw bks cly cvw fhw hok ksr pgr

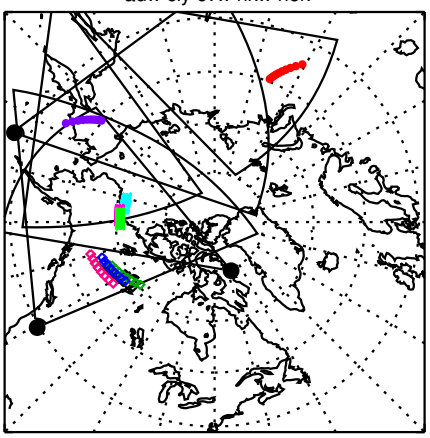


bpk dce sps tig unw

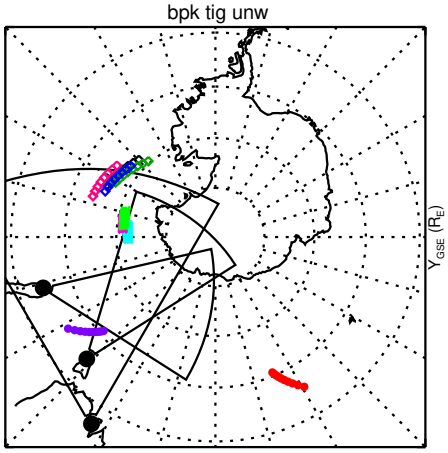


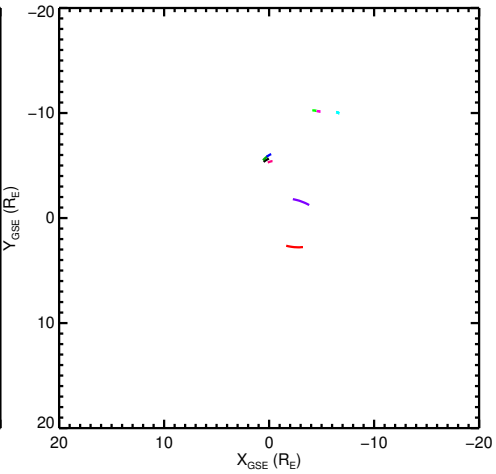


(d) 1435UT to 1520UT
adw cly cvw hkw hok

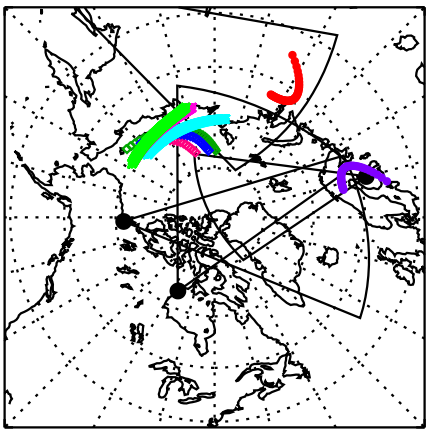


bpk tig unw





(e) 1730UT to 2125UT
han hkw inv rkn



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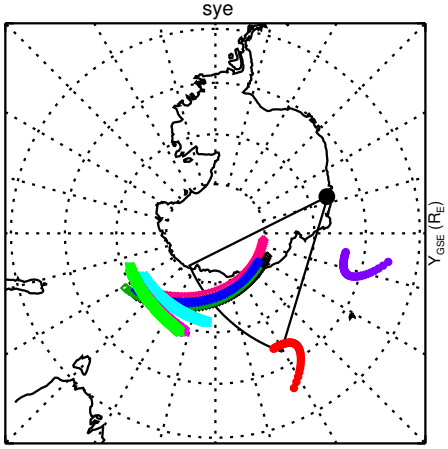
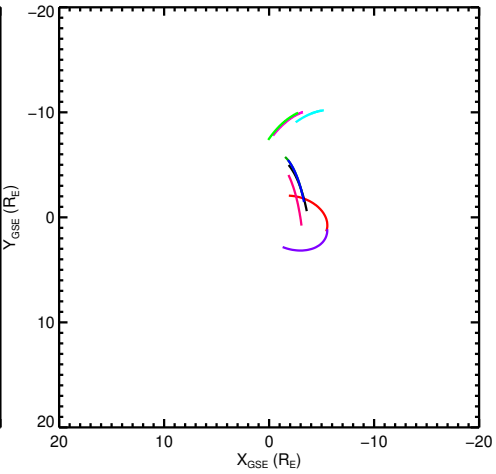
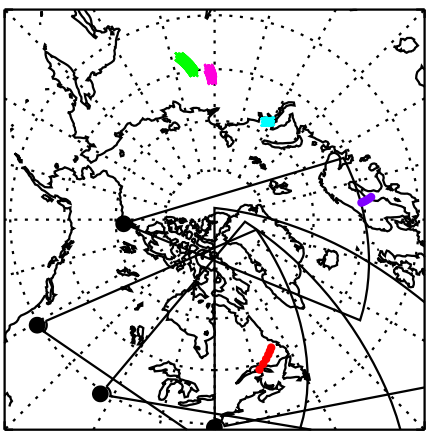
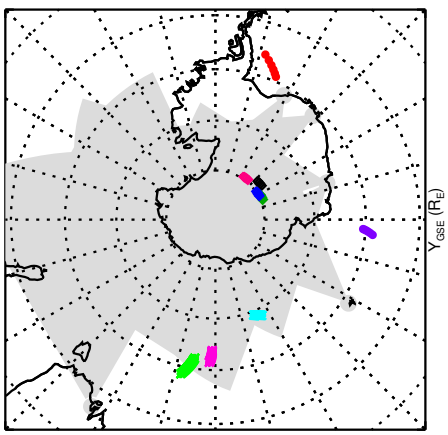
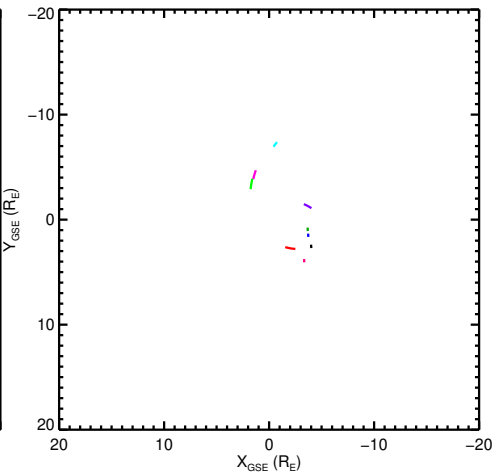




(f) 2330UT to 2355UT
cve fhe inv wal



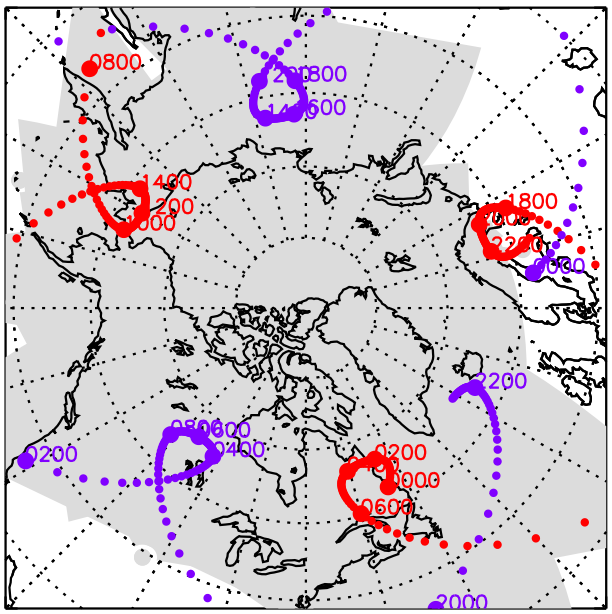


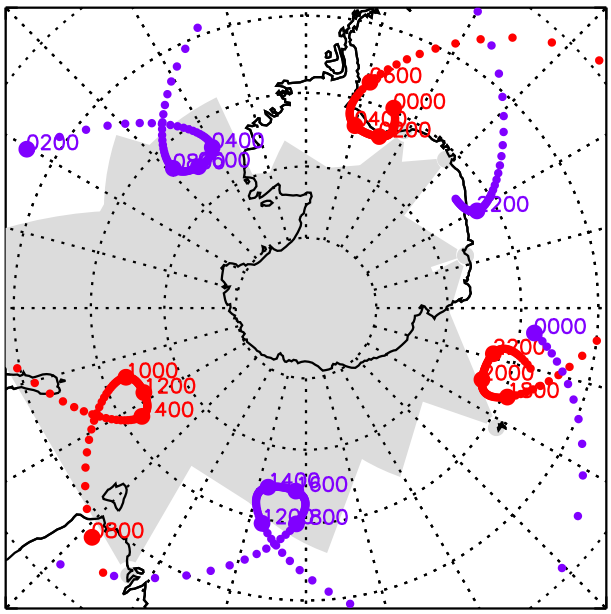


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

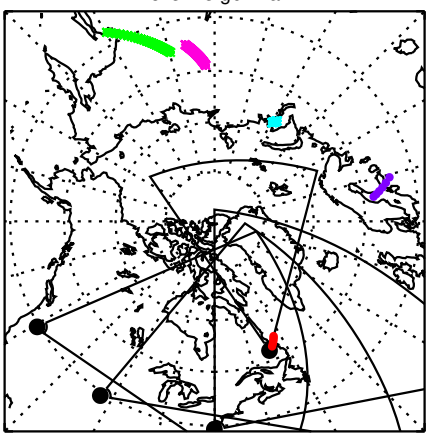
02–Dec–2016

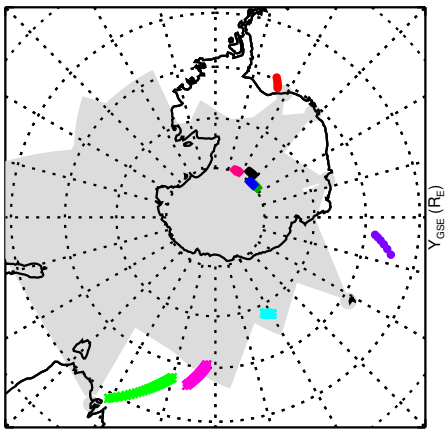
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

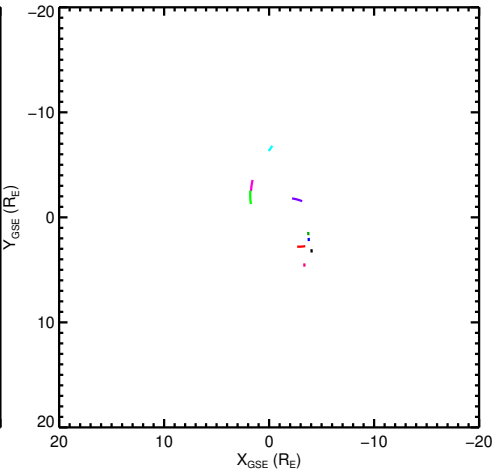




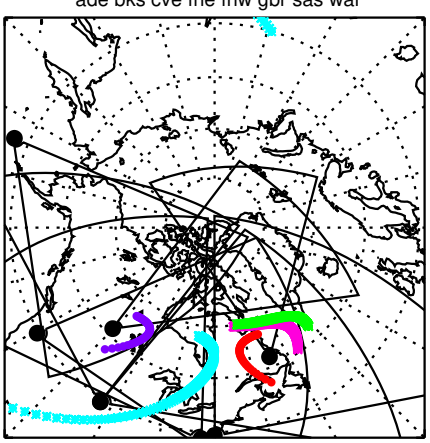
(a) 0000UT to 0025UT
cve fhe gbr wal



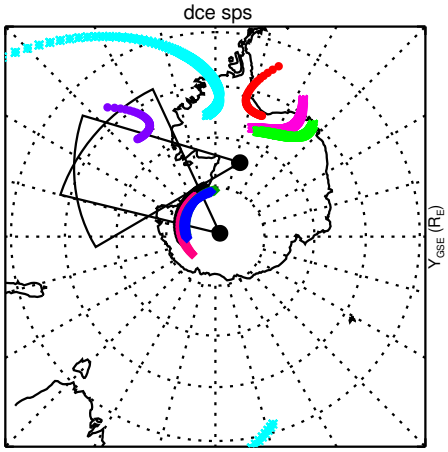


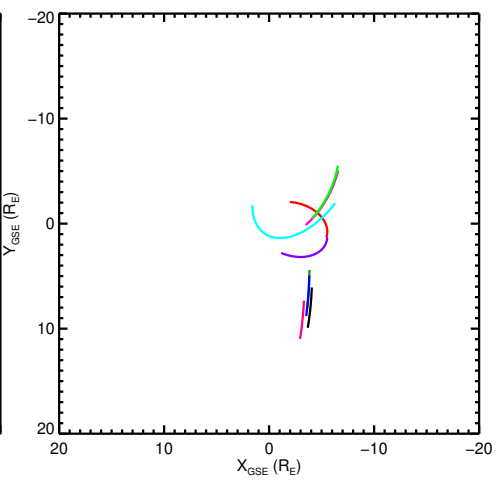


(b) 0230UT to 0620UT
ade bks cve fhe fhw gbr sas wal

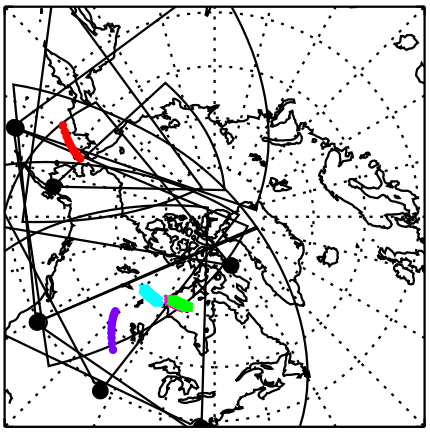


dce sps

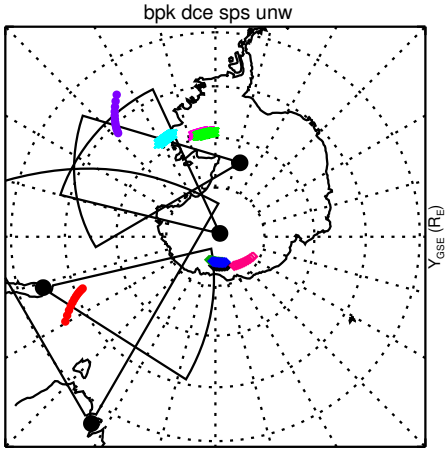


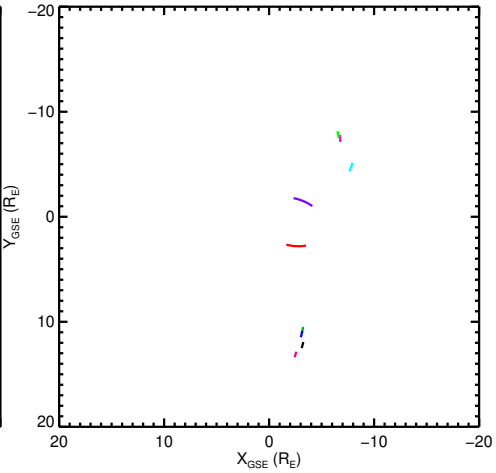


(c) 0830UT to 0925UT
ade adw bks cly cve cvw fhw hok ksr

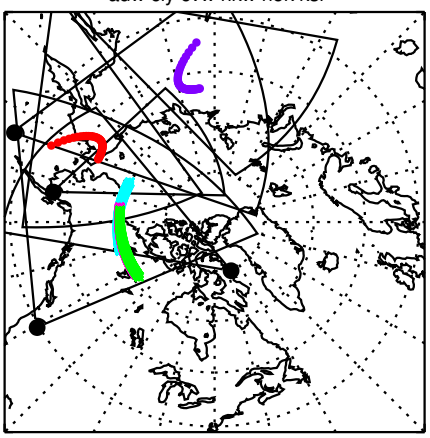


bpk dce sps unw

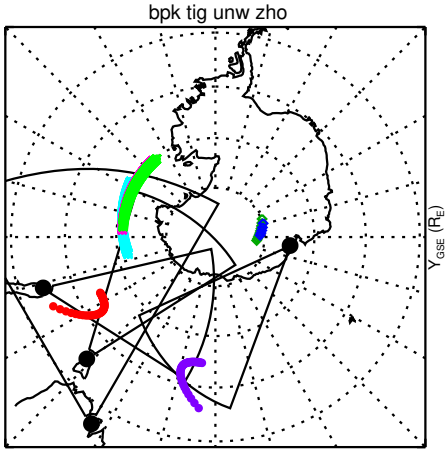


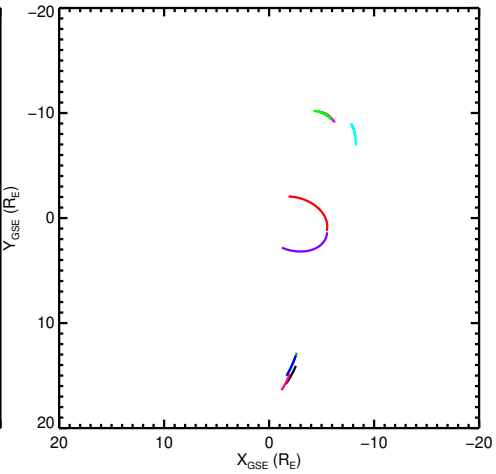


(d) 1135UT to 1520UT
adw cly cvw hkw hok ksr

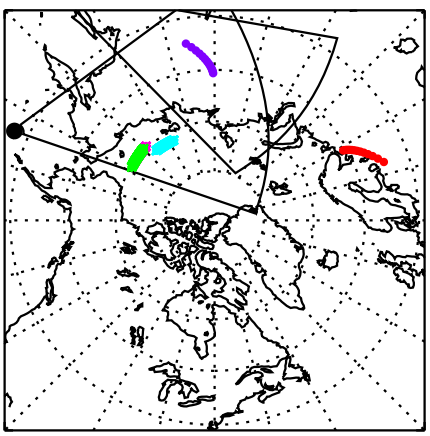


bpk tig unw zho





(e) 1725UT to 1830UT
adw hkw



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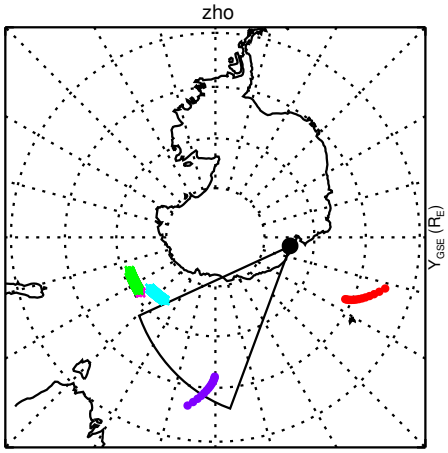
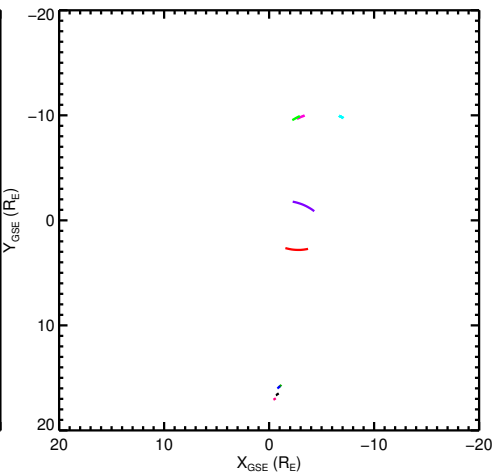
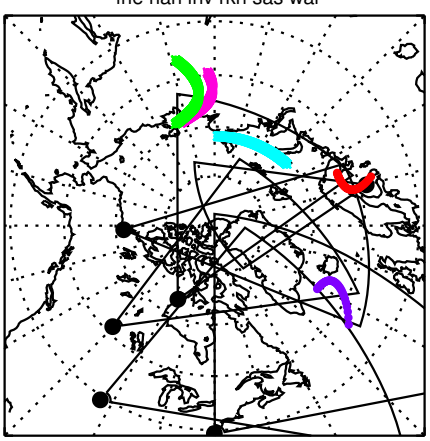
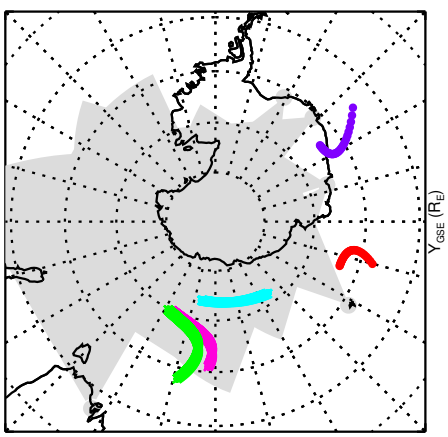
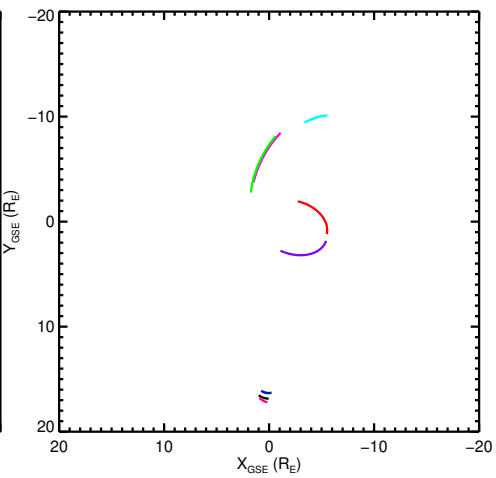




(f) 2035UT to 2355UT
fhe han inv rkn sas wal



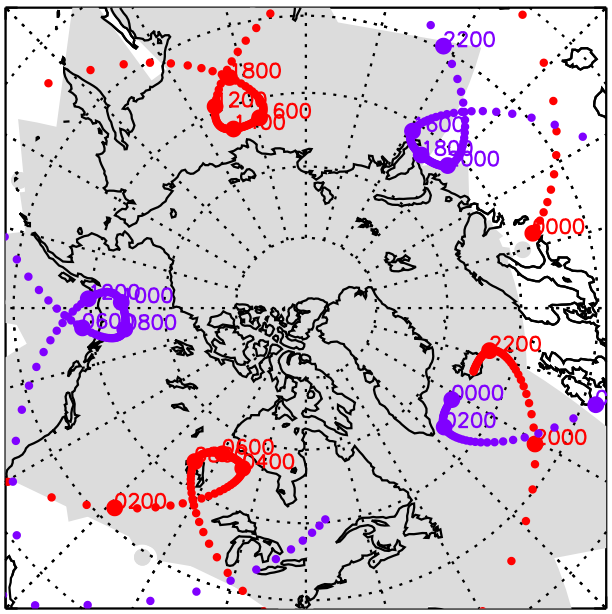


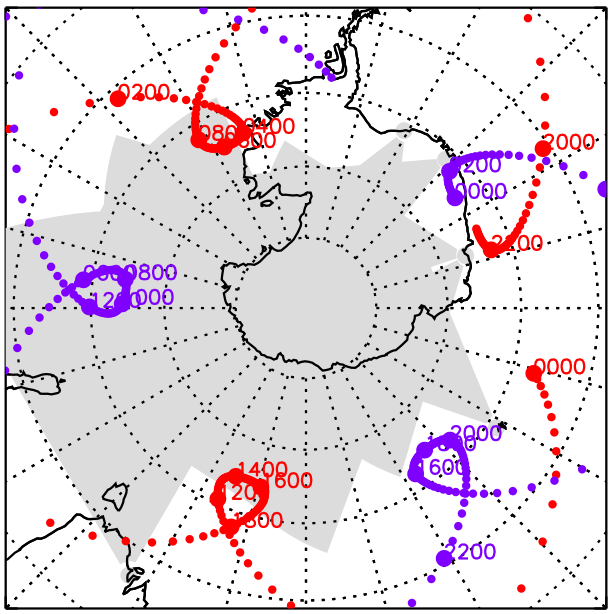


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

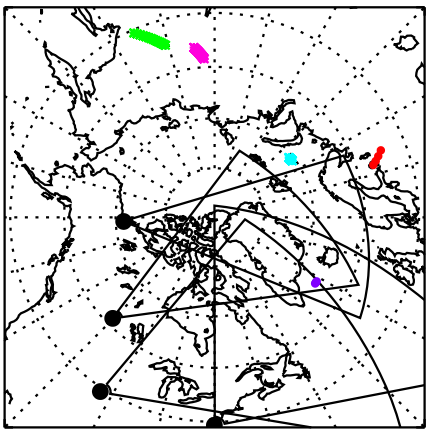
03–Dec–2016

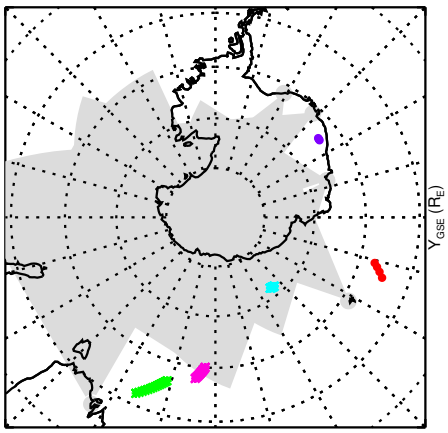
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

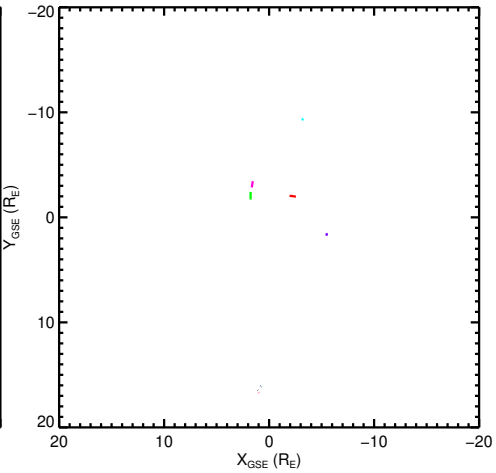




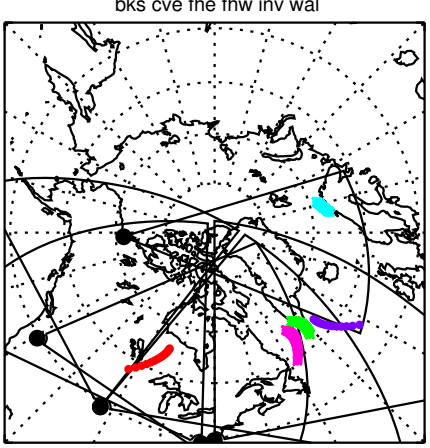
(a) 0000UT to 0015UT
fhe inv sas wal



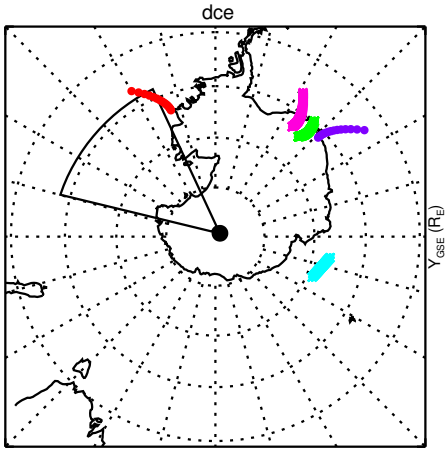


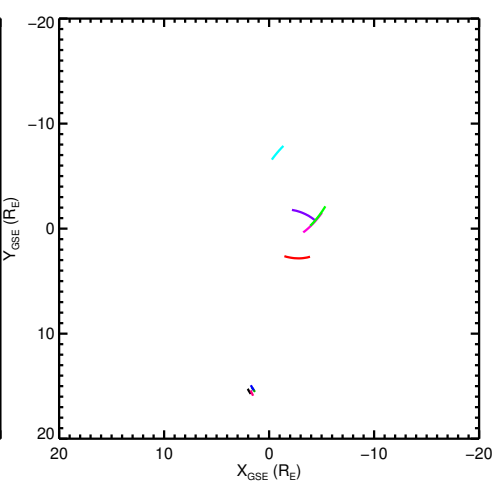


(b) 0220UT to 0335UT
bks cve fhe fhw inv wal

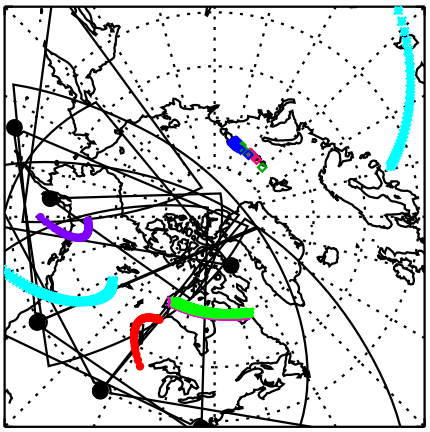


dce

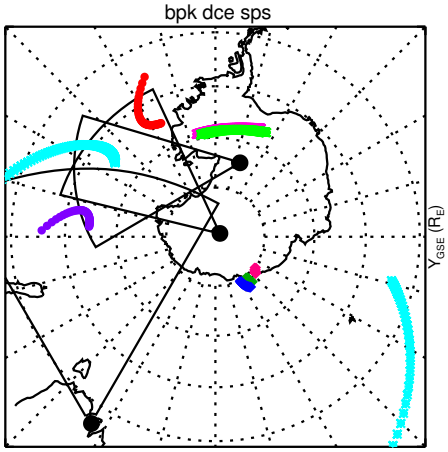


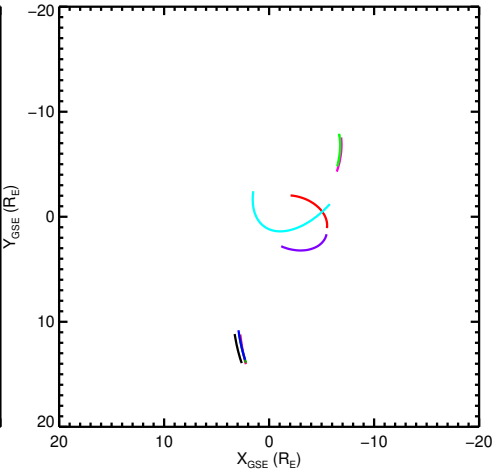


(c) 0540UT to 0910UT
ade bks cly cve cvw fhe fhw hok kod

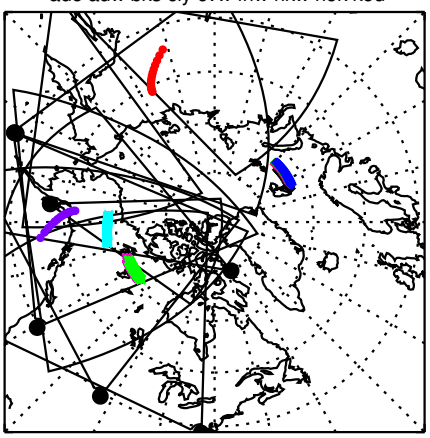


bpk dce sps





(d) 1120UT to 1235UT
ade adw bks cly cvw fhw hkw hok kod



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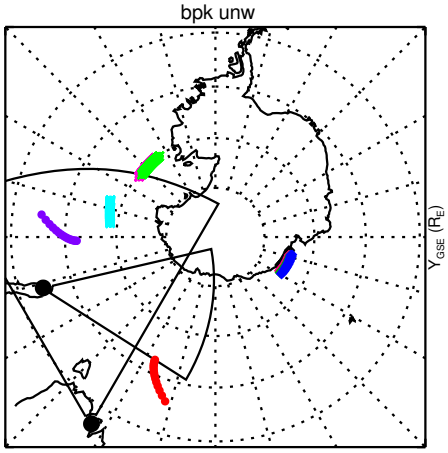
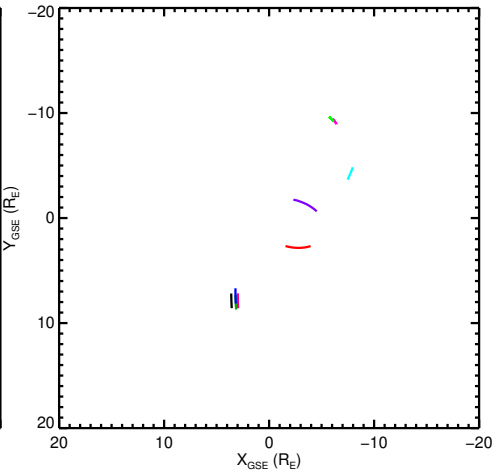
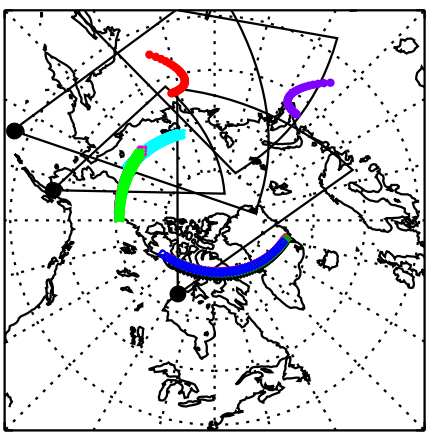
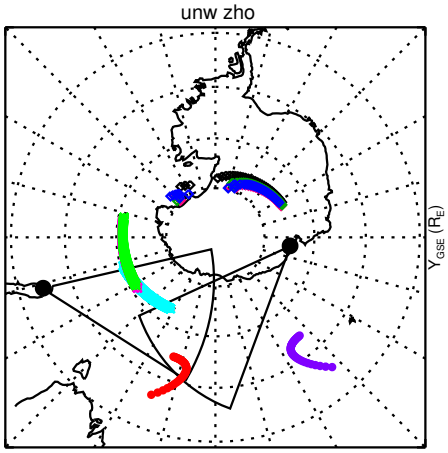


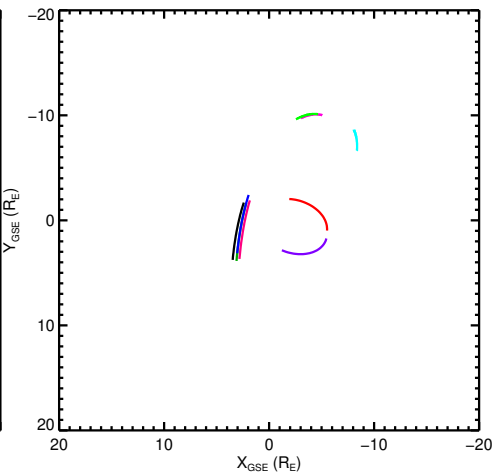


(e) 1445UT to 1810UT
adw hkw ksr rkn

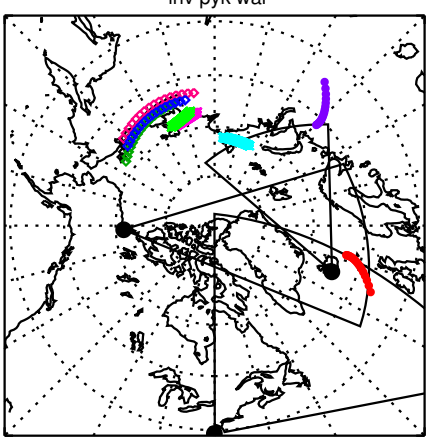


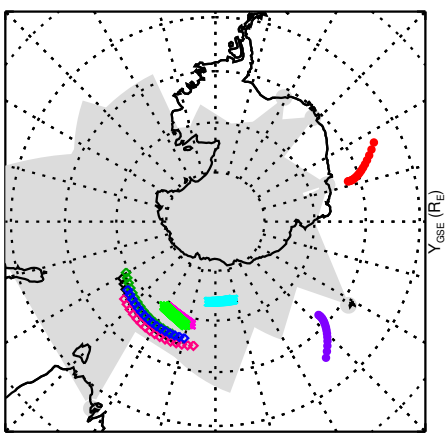
unw zho

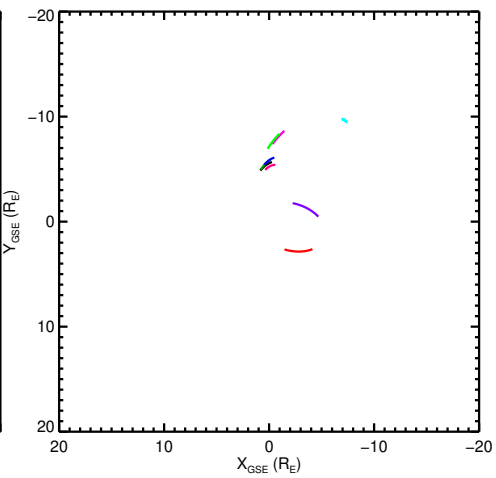




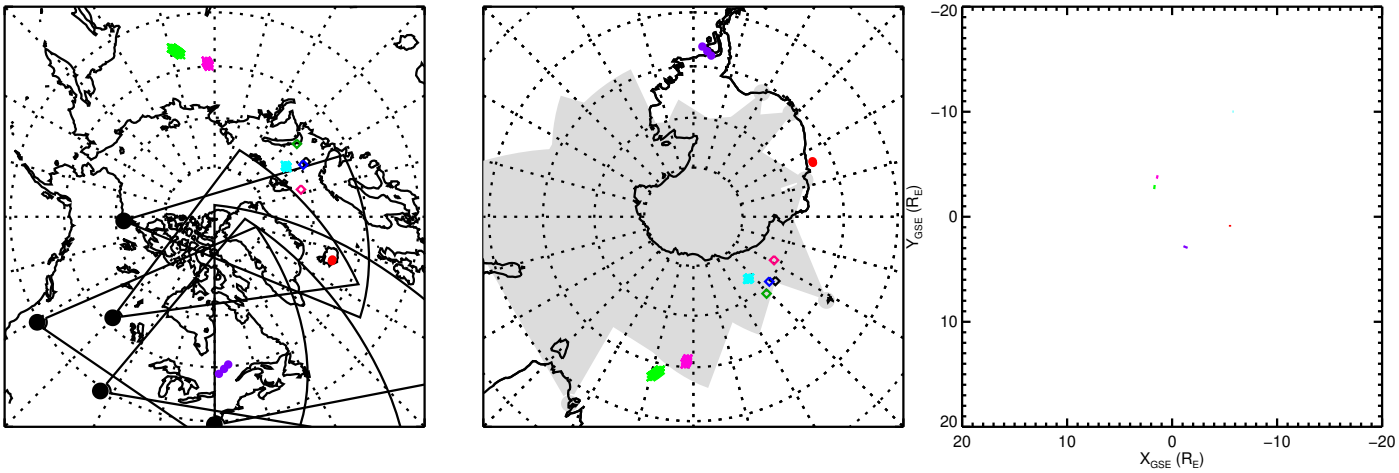
(f) 2015UT to 2140UT
inv pyk wal







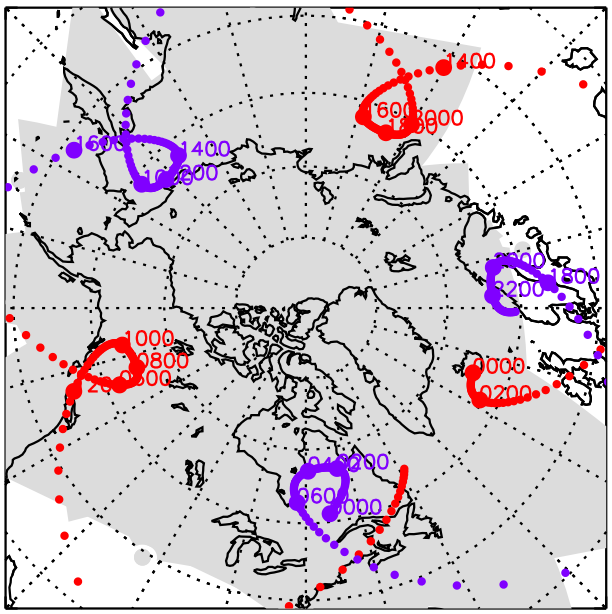
(g) 2345UT to 2355UT
cve fhe inv sas wal

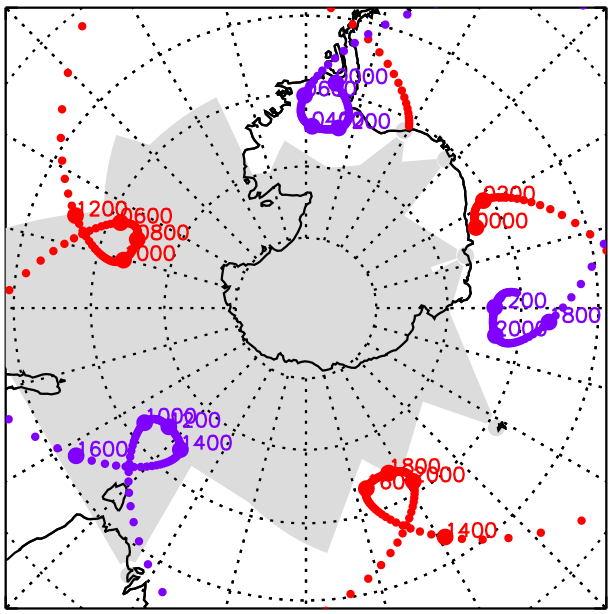


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

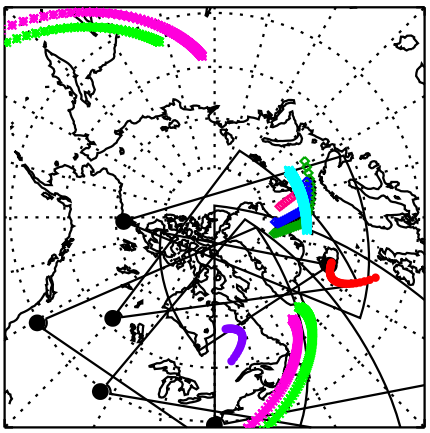
04–Dec–2016

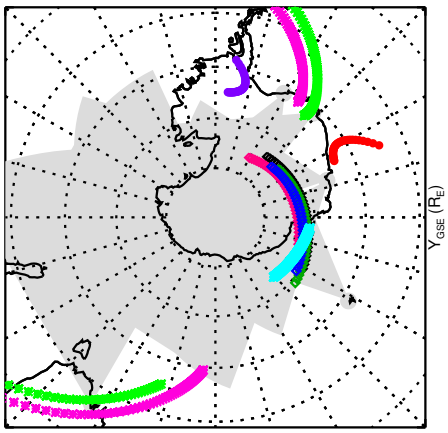
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

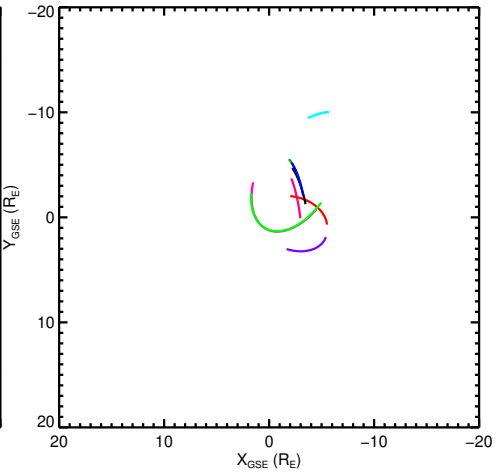




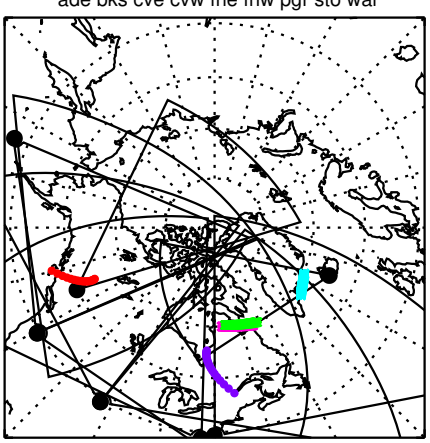
(a) 0000UT to 0305UT
cve fhe inv sas sto wal



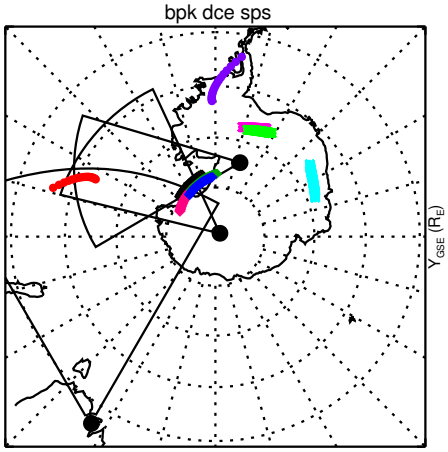


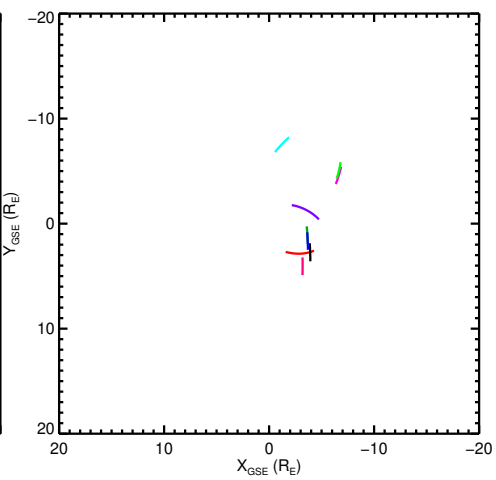


(b) 0515UT to 0645UT
ade bks cve cvw fhe fhw pgr sto wal



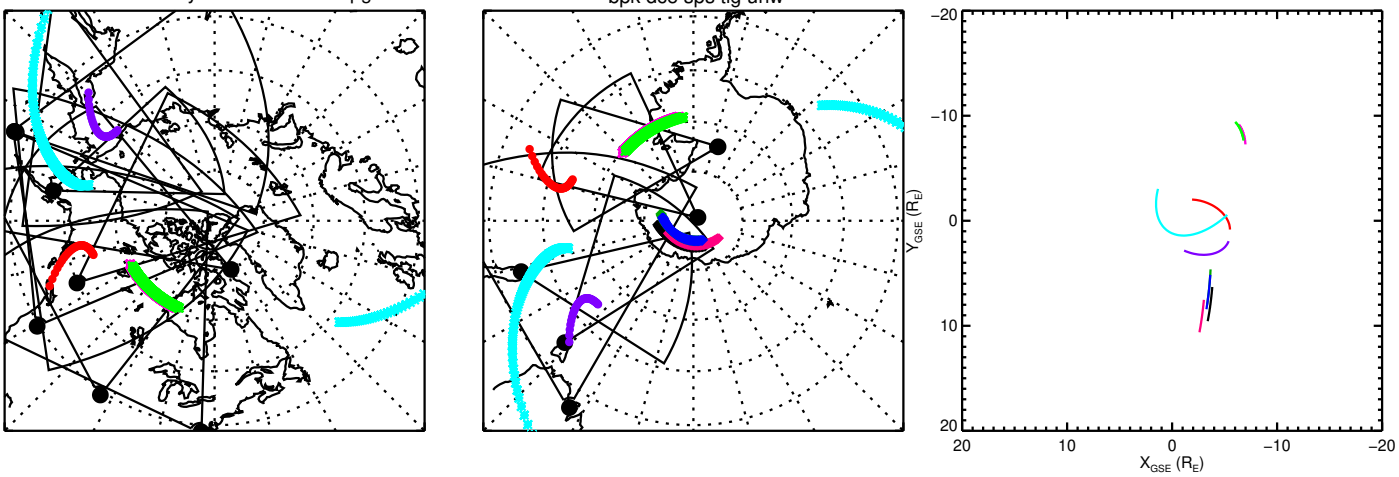
bpk dce sps





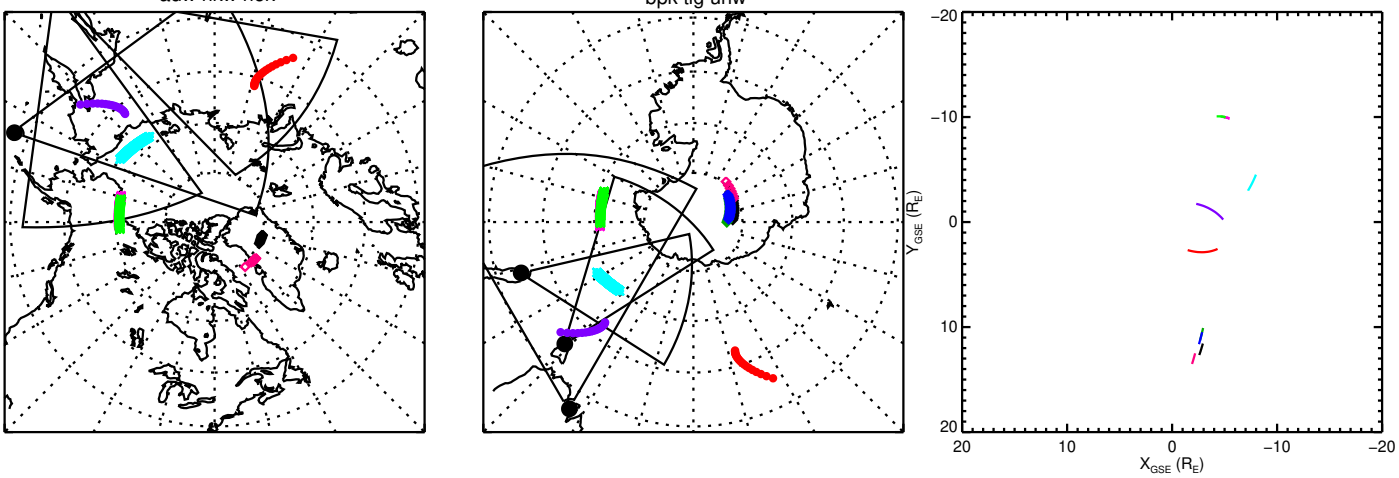
(c) 0850UT to 1205UT
ade adw bks cly cvw fhw hok ksr pgr

bpk dce sps tig unw



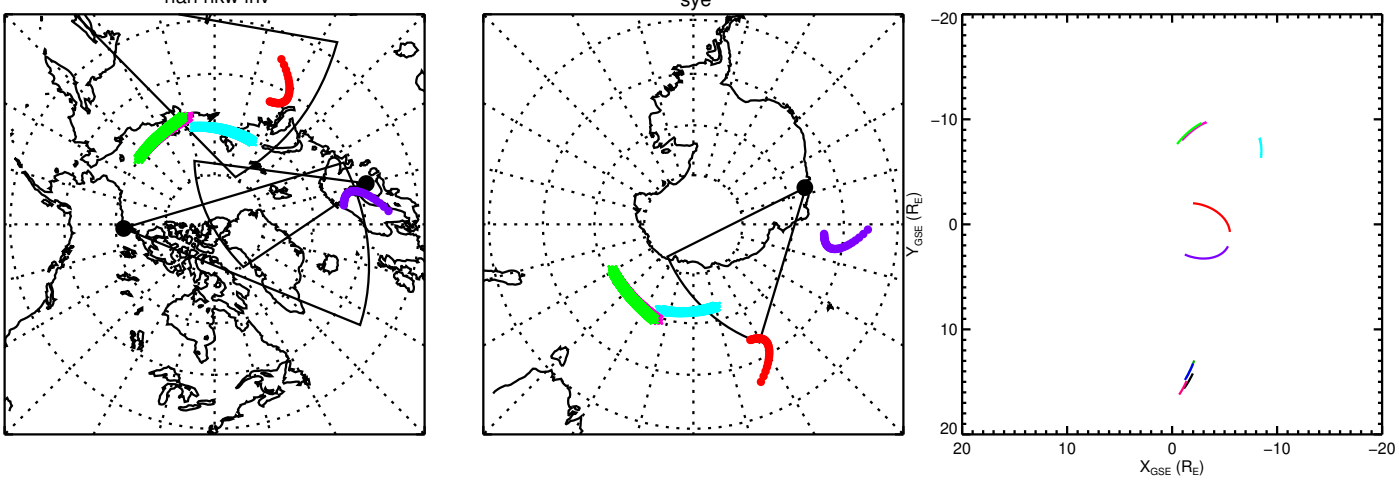
(d) 1410UT to 1545UT
adw hkw hok

bpk tig unw

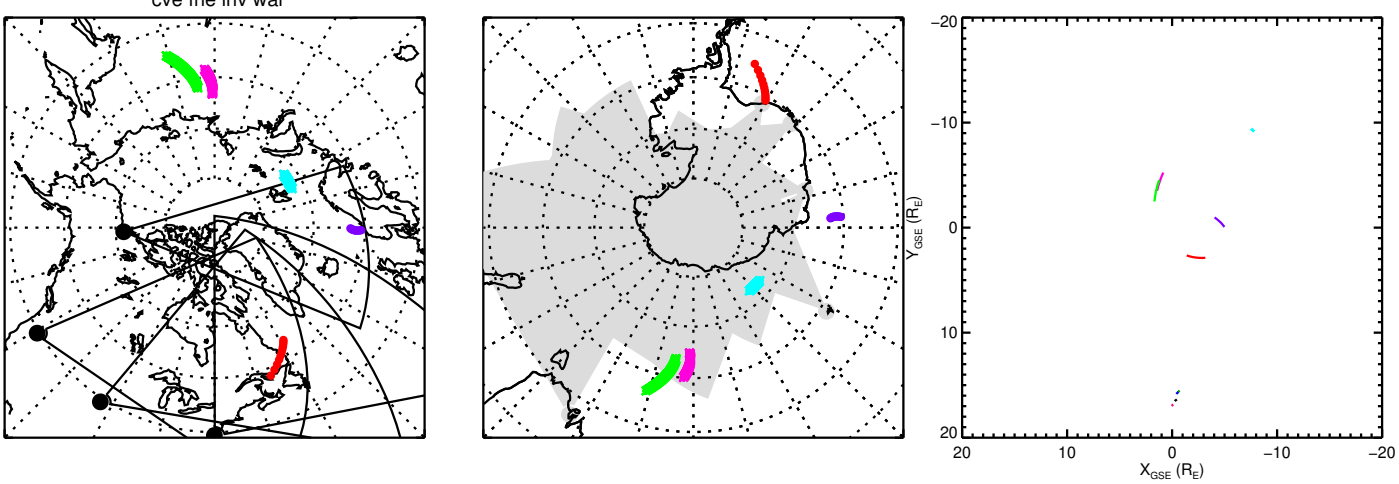


(e) 1755UT to 2100UT
han hkw inv

sye



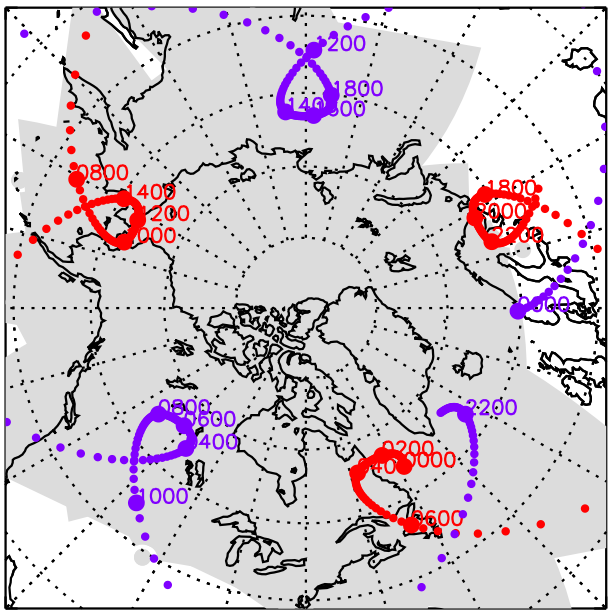
(f) 2305UT to 2355UT
cve fhe inv wal

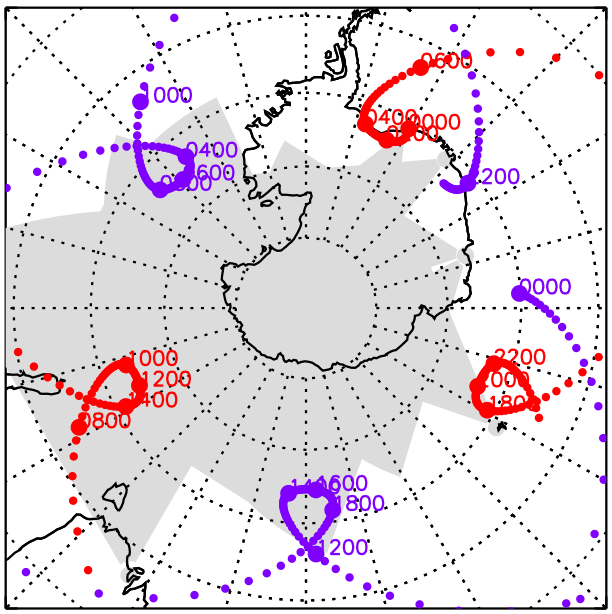


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

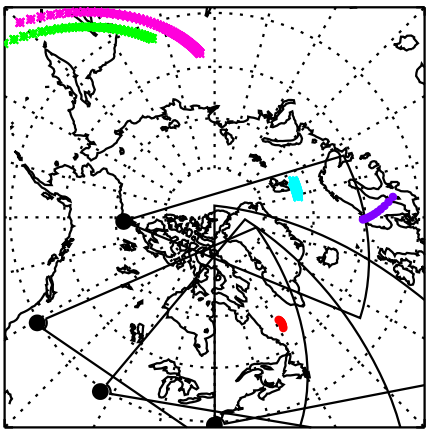
05–Dec–2016

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

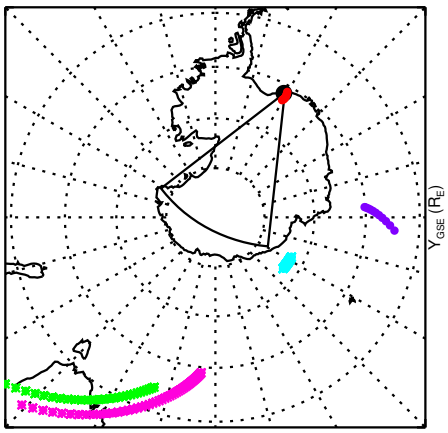


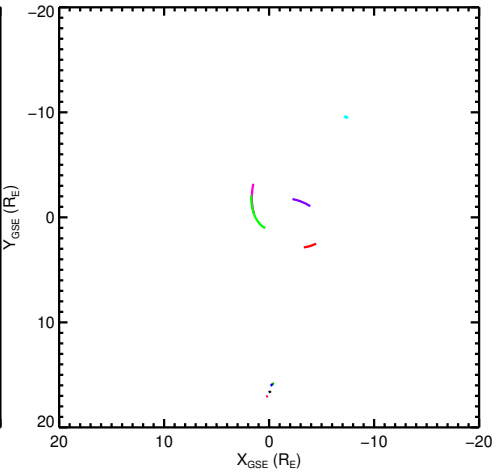


(a) 0000UT to 0050UT
cve fhe inv wal

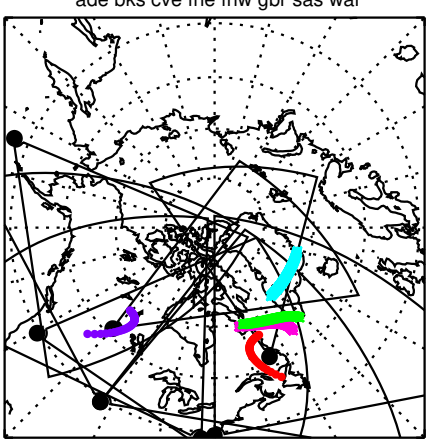


hal

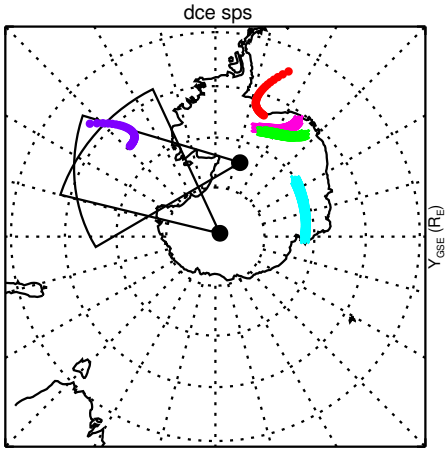


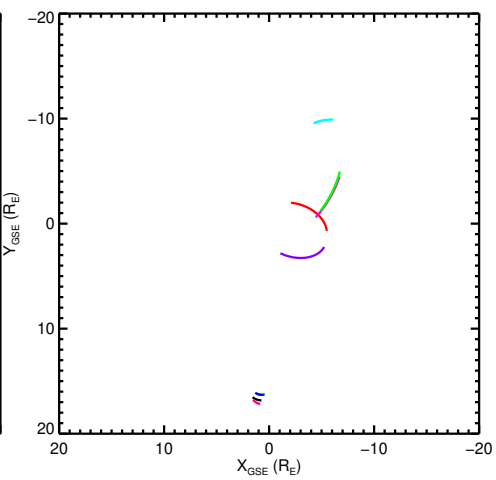


(b) 0255UT to 0555UT
ade bks cve fhe fhw gbr sas wal

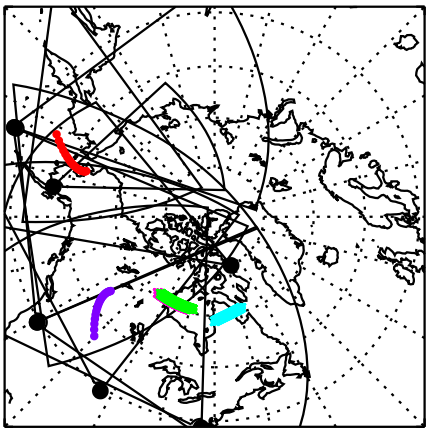


dce sps

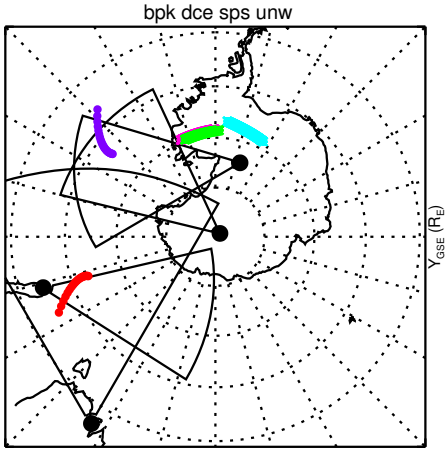


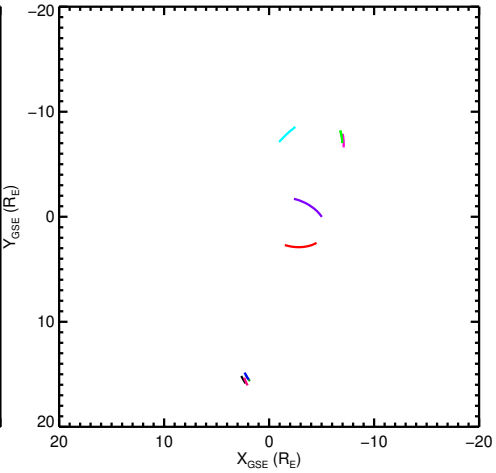


(c) 0805UT to 0950UT
ade adw bks cly cve cvw fhw hok ksr

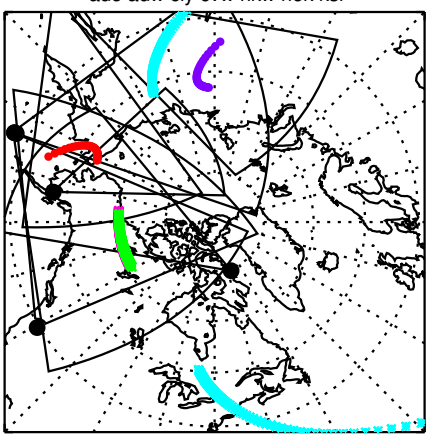


bpk dce sps unw

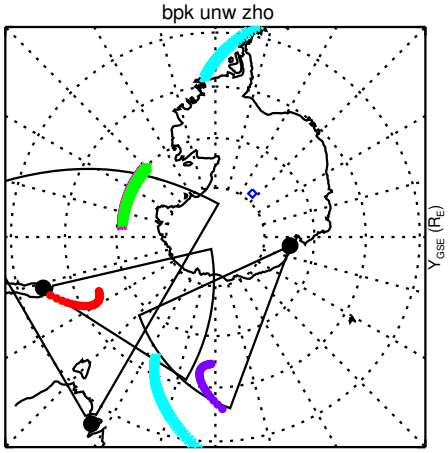


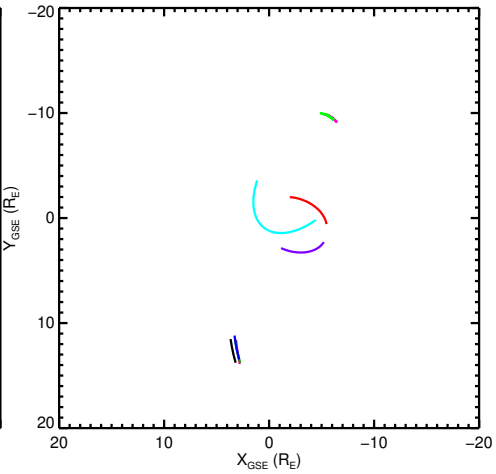


(d) 1200UT to 1455UT
ade adw cly cvw hkw hok ksr

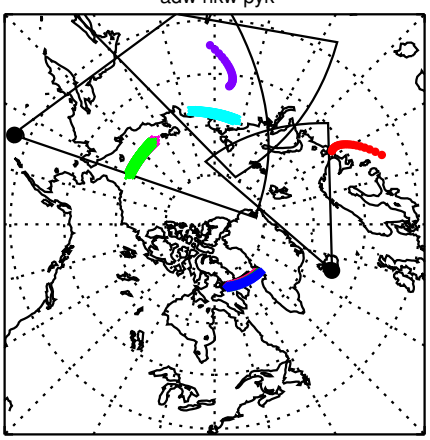


bpk unw zho

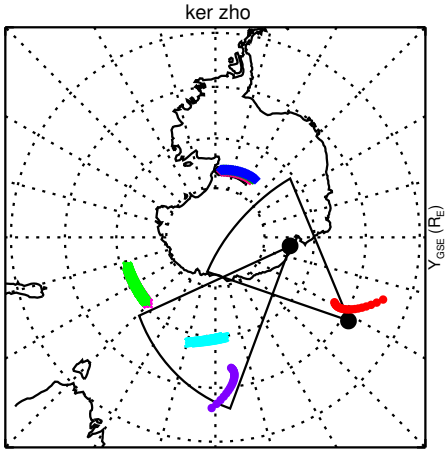


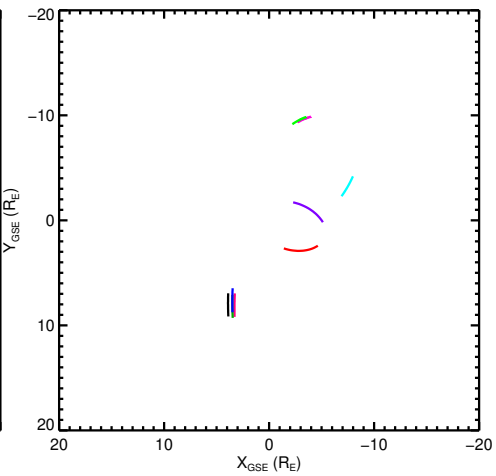


(e) 1700UT to 1855UT
adw hkw pyk

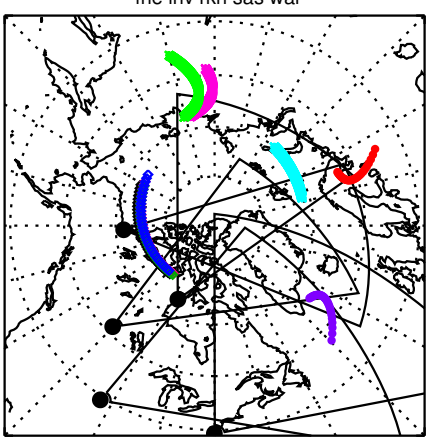


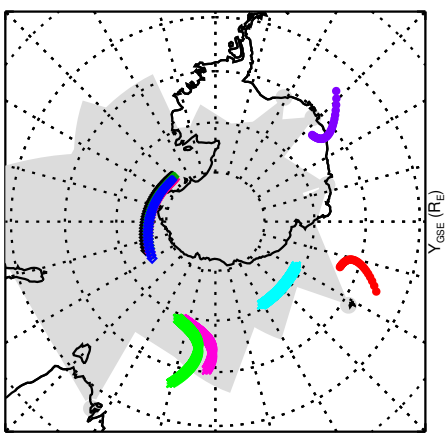
ker zho

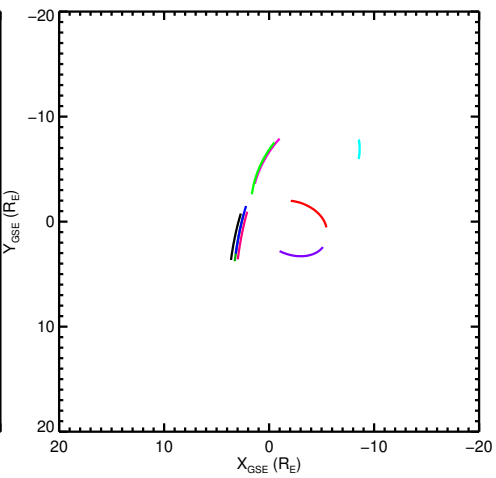




(f) 2100UT to 2350UT
fhe inv rkn sas wal



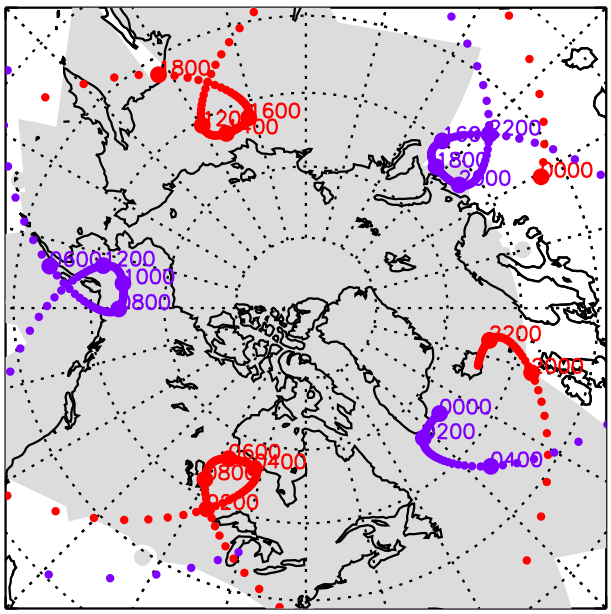


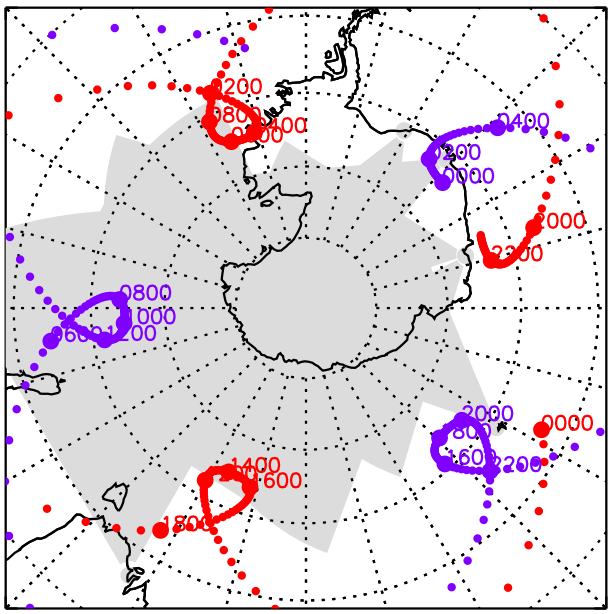


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

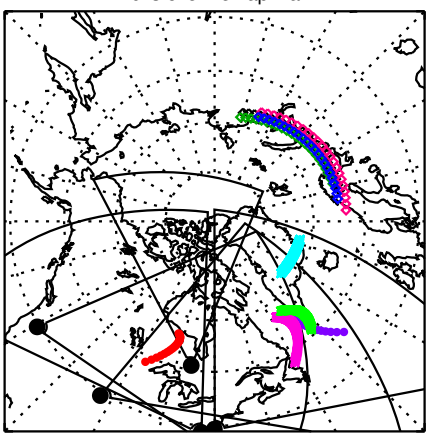
06–Dec–2016

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 0400UT
bks cve fhe kap wal



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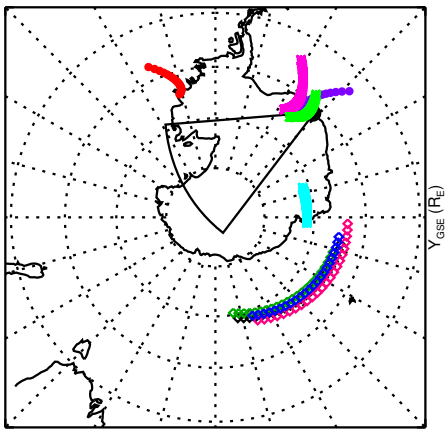
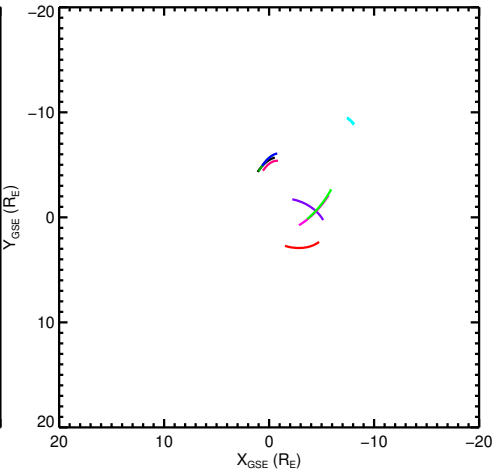
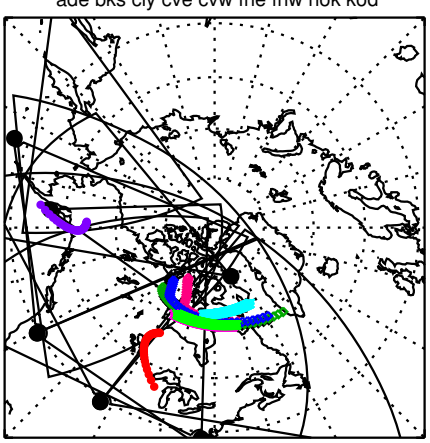
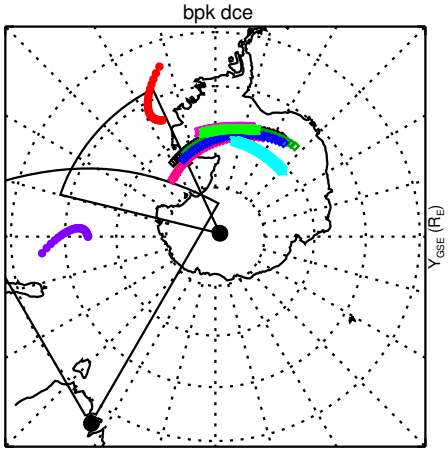


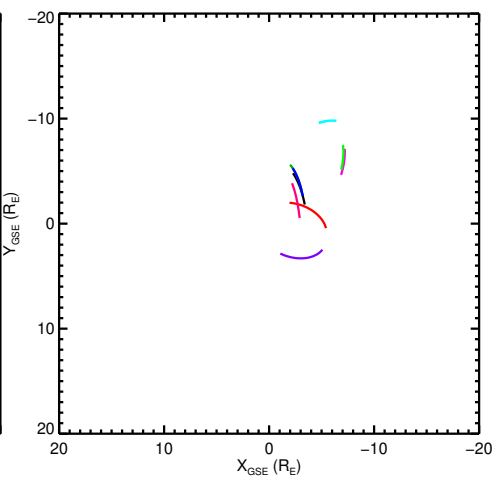


(b) 0605UT to 0850UT
ade bks cly cve cvw fhe fhw hok kod

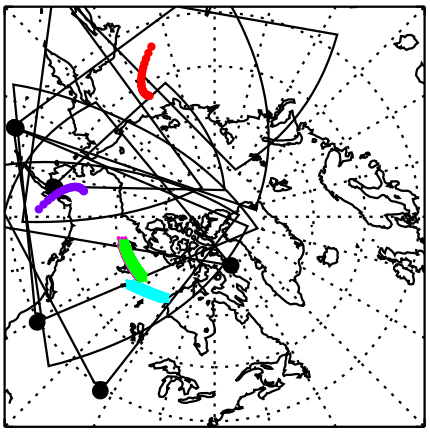


bpk dce

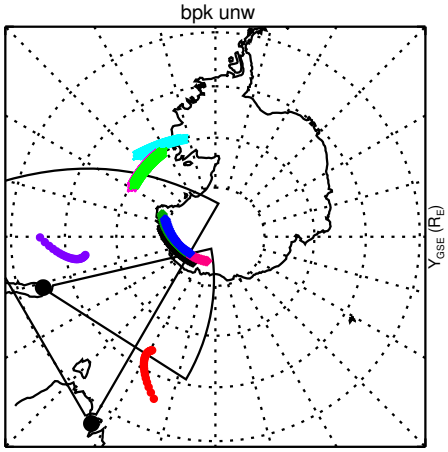


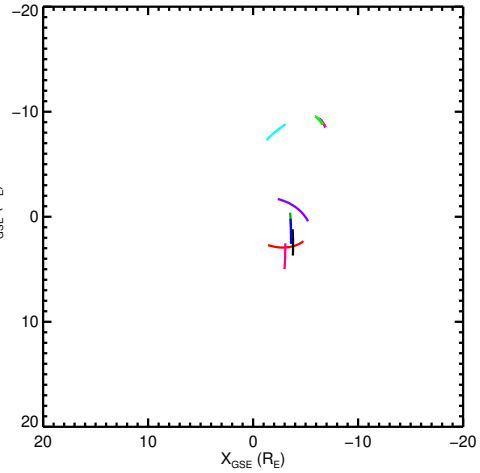


(c) 1055UT to 1300UT
ade adw cly cvw fhw hkw hok ksr

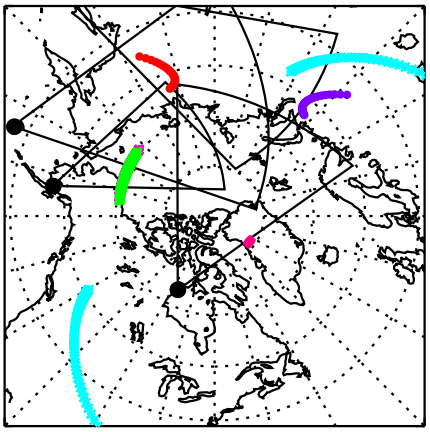


bpk unw

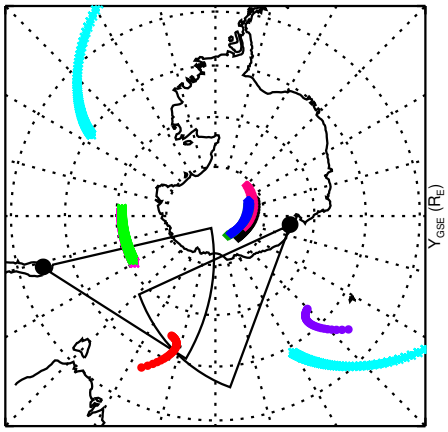


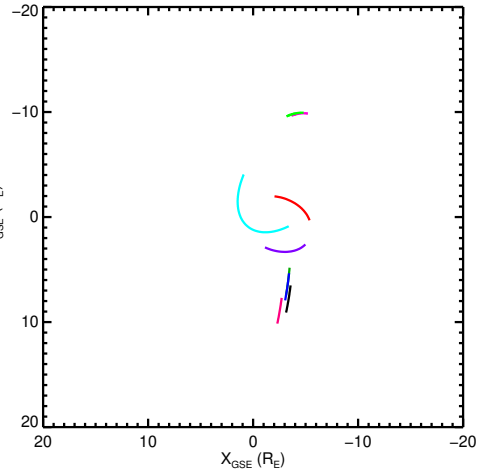


(d) 1510UT to 1745UT
adw hkw ksr rkn

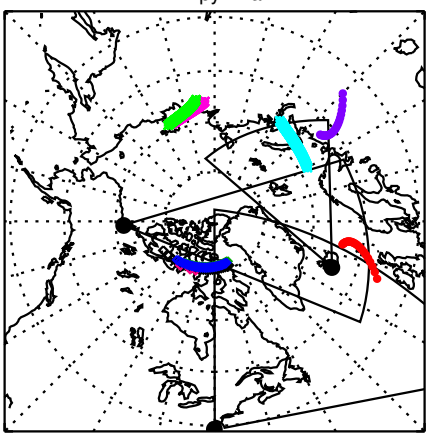


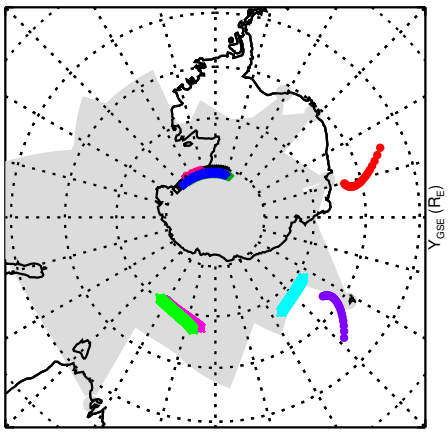
unw zho

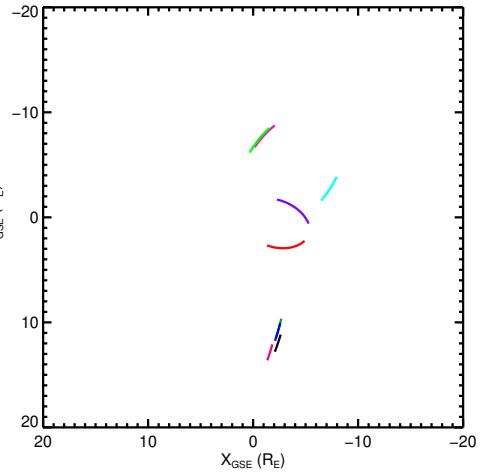




(e) 1950UT to 2205UT
inv pyk wal



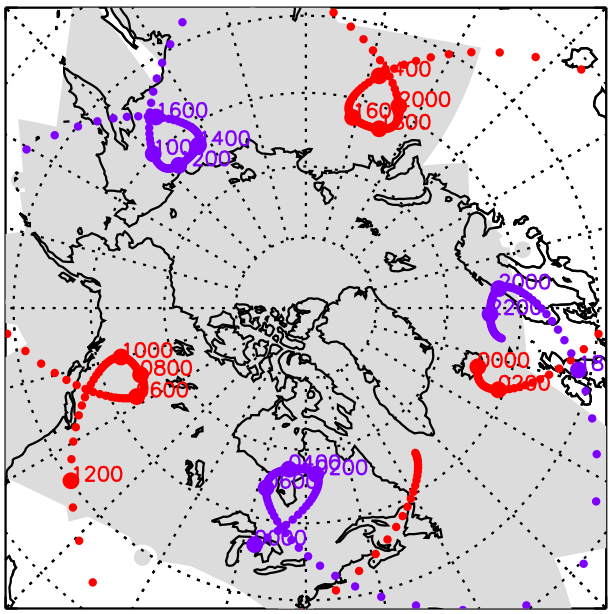


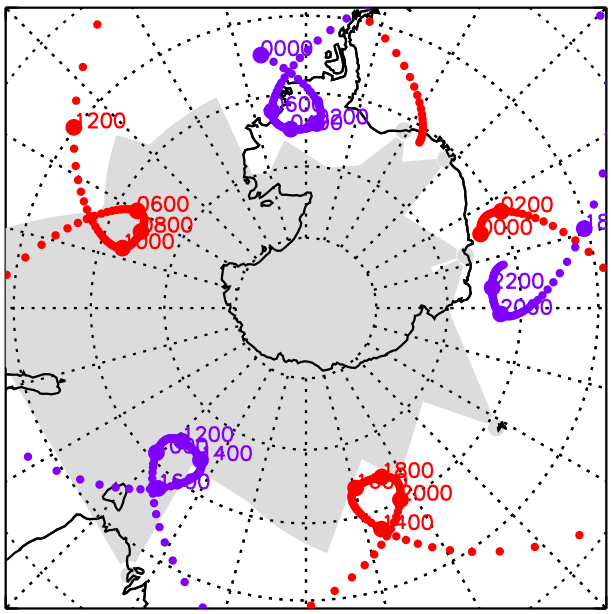


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

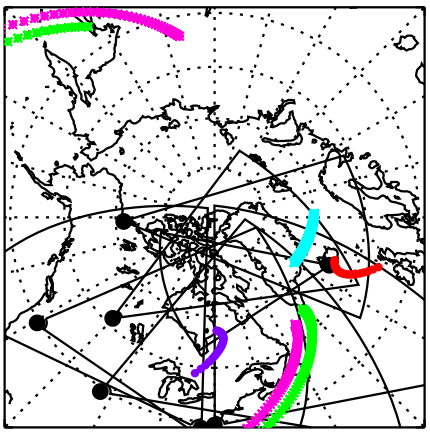
07–Dec–2016

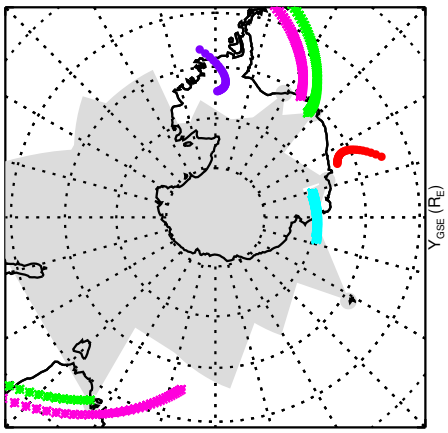
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

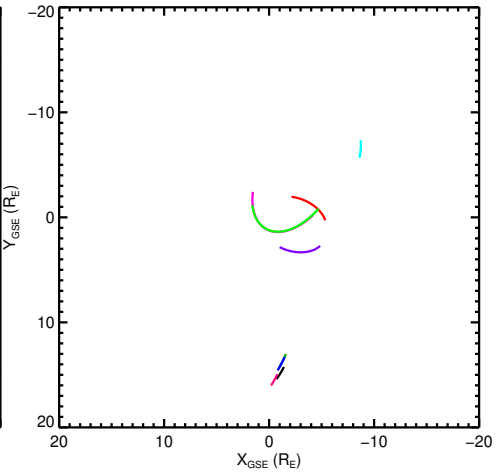




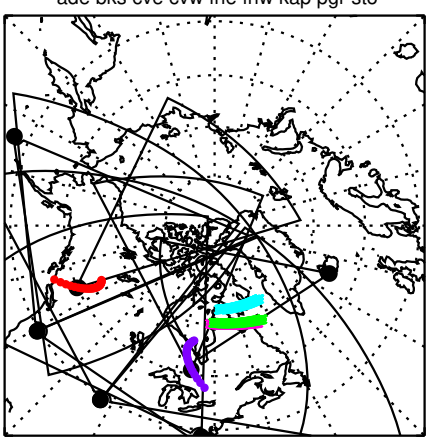
(a) 0010UT to 0240UT
bks cve fhe inv sas sto wal



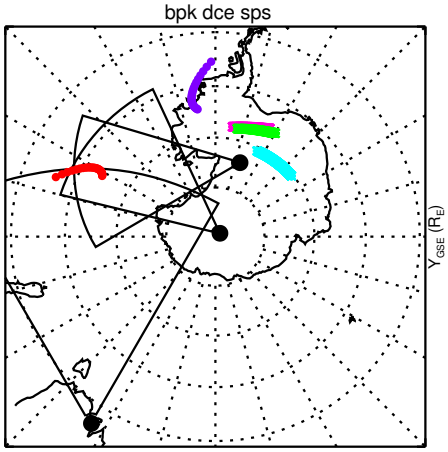


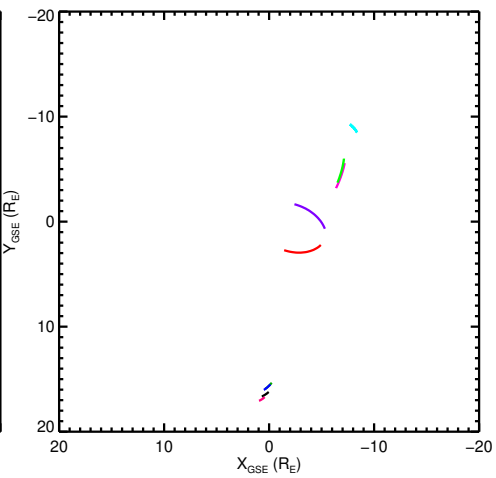


(b) 0450UT to 0705UT
ade bks cve cvw fhe fhw kap pgr sto



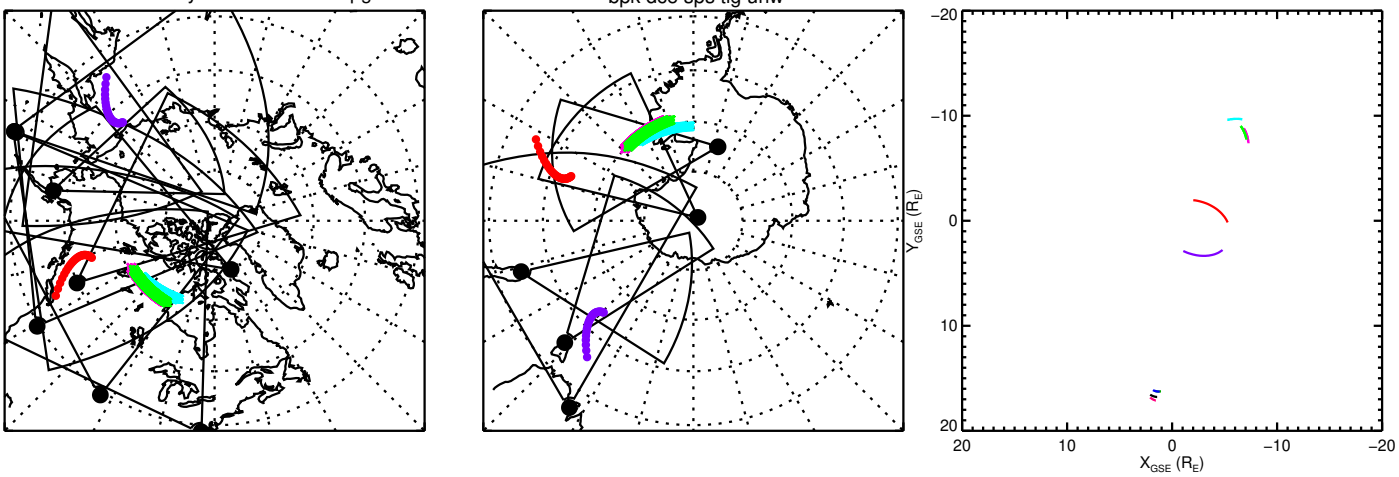
bpk dce sps





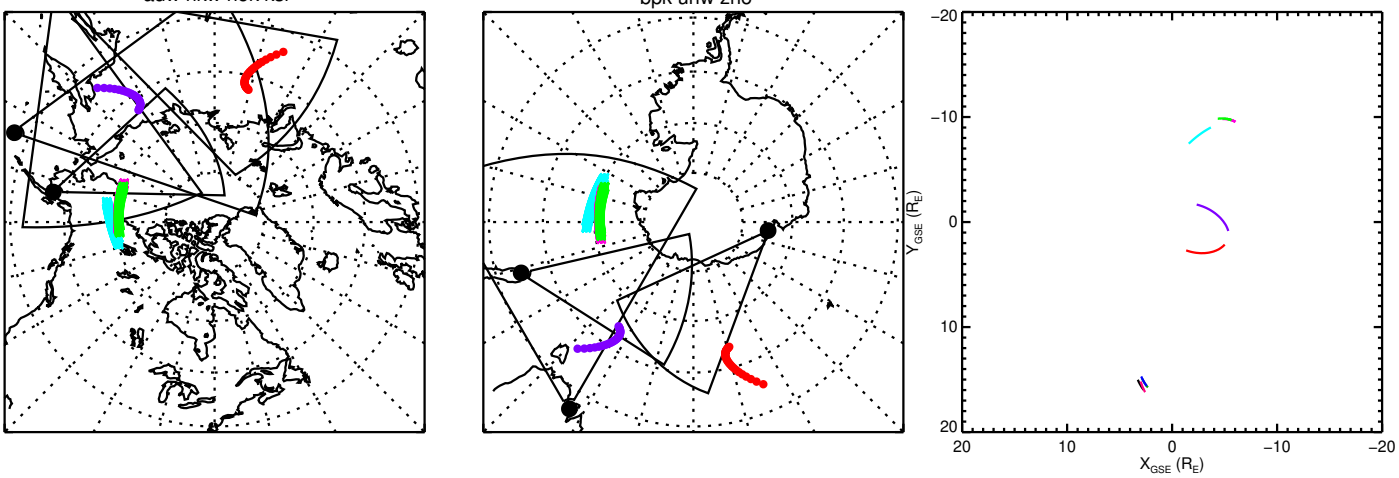
(c) 0915UT to 1140UT
ade adw bks cly cvw fhw hok ksr pgr

bpk dce sps tig unw



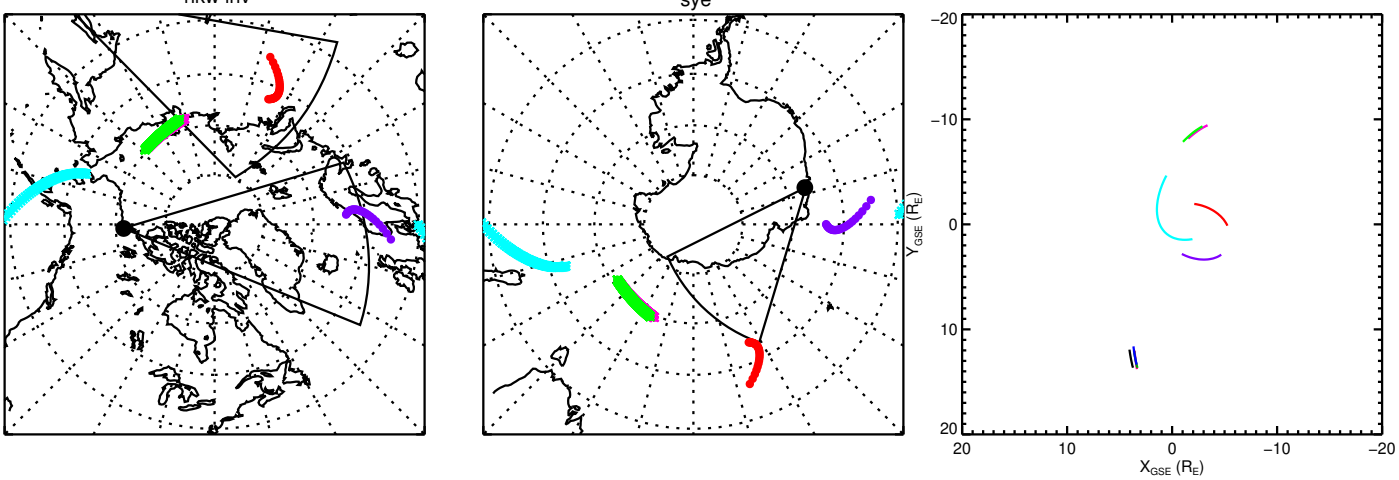
(d) 1345UT to 1610UT
adw hkw hok ksr

bpk unw zho

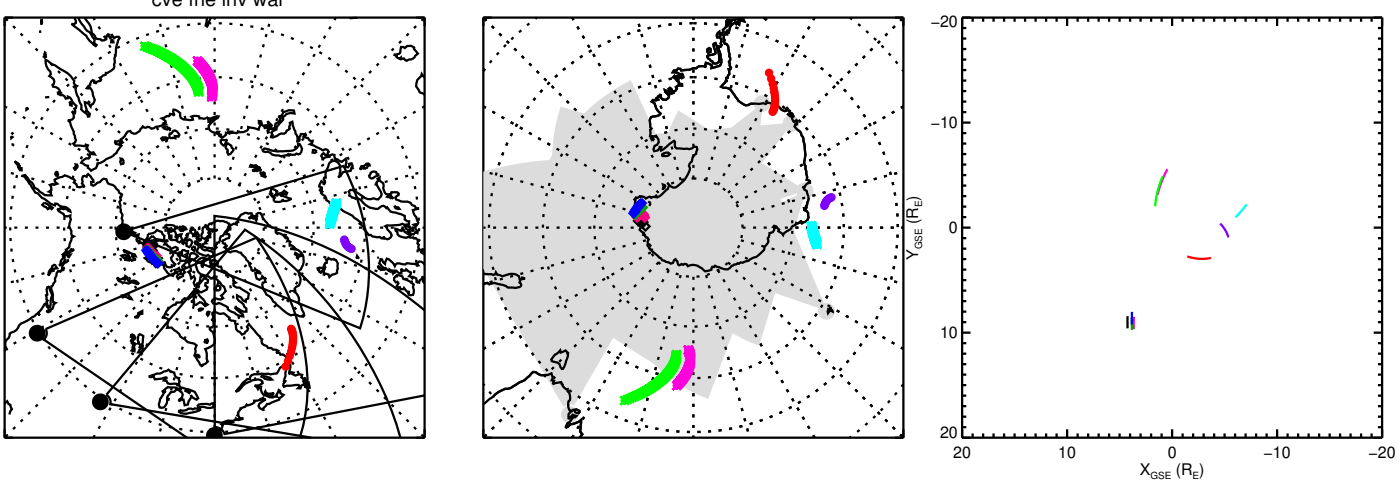


(e) 1815UT to 2035UT
hkw inv

sye



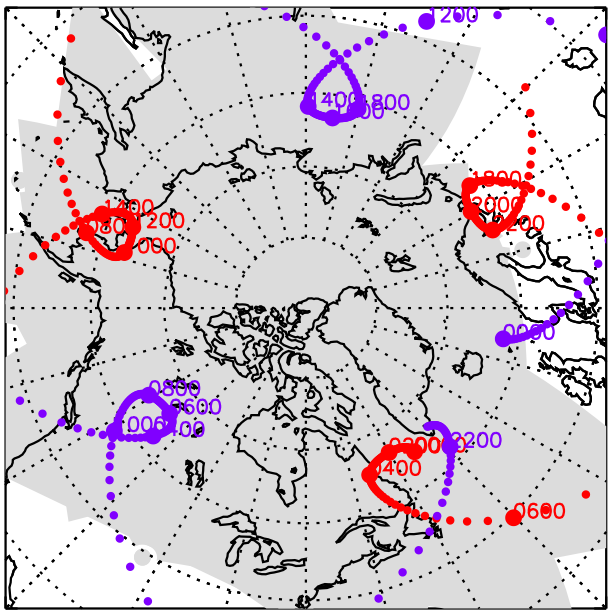
(f) 2245UT to 2355UT
cve fhe inv wal

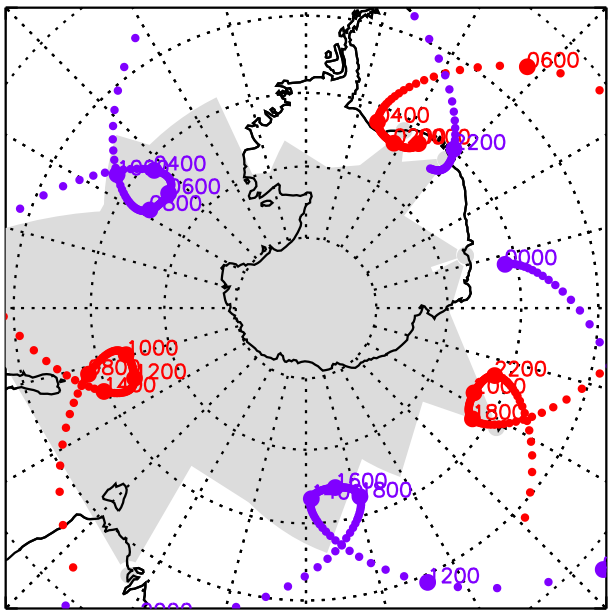


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

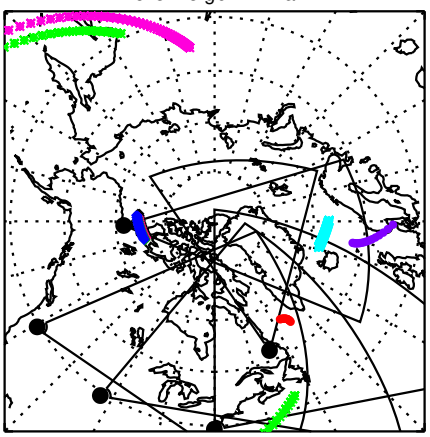
08–Dec–2016

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

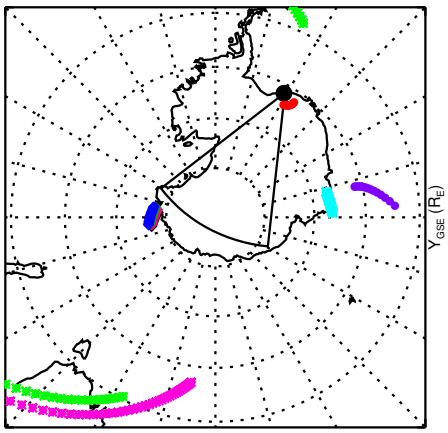


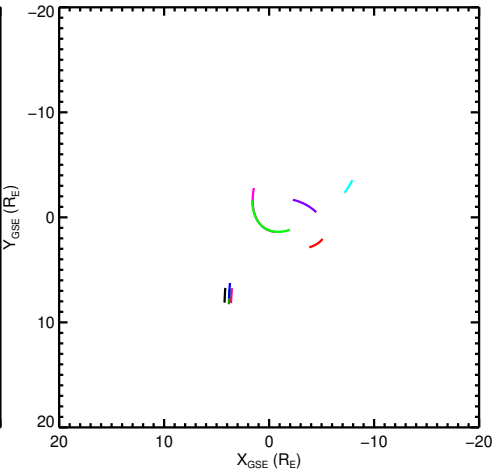


(a) 0000UT to 0115UT
cve fhe gbr inv wal

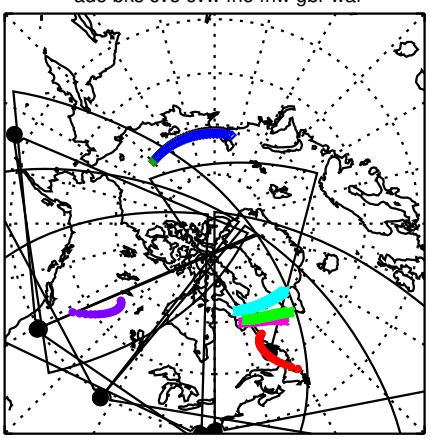


hal

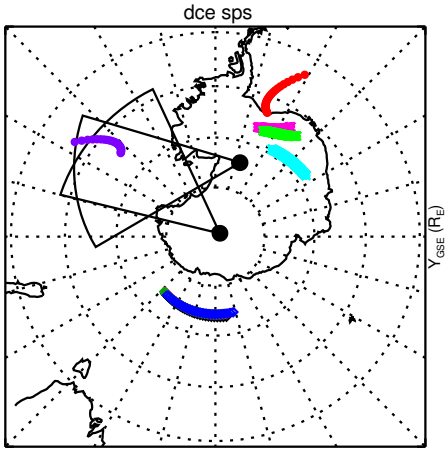


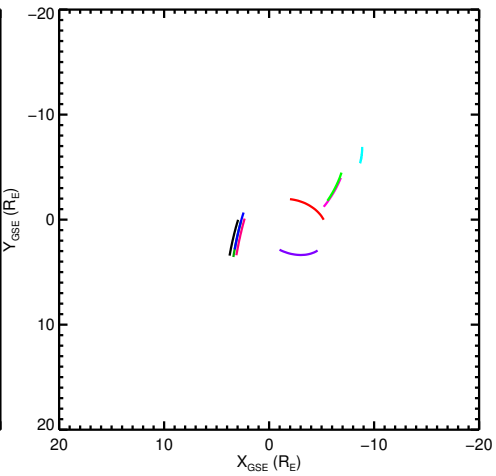


(b) 0320UT to 0535UT
ade bks cve cvw fhe fhw gbr wal

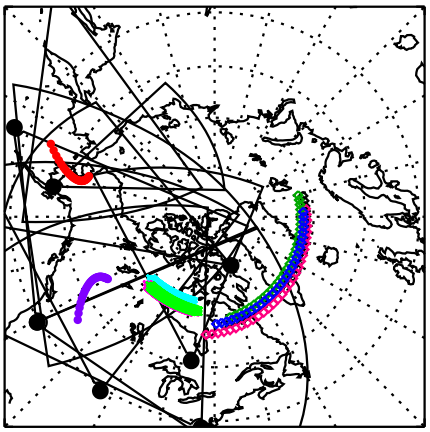


dce sps

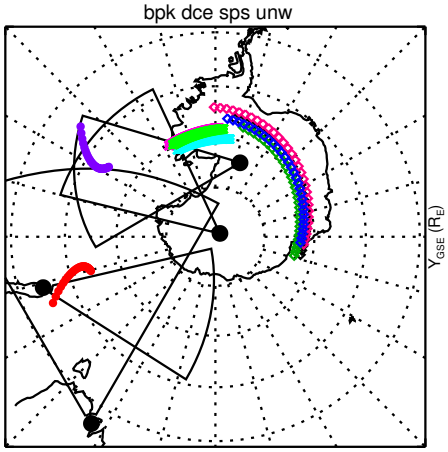


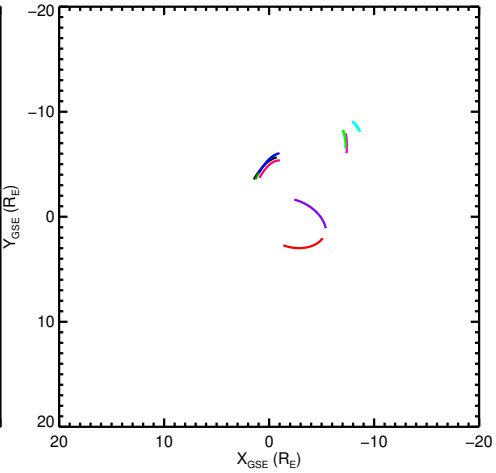


(c) 0740UT to 1015UT
ade bks cly cve cvw fhw hok kap ksr

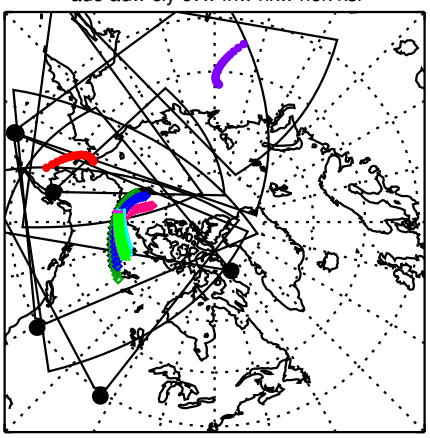


bpk dce sps unw

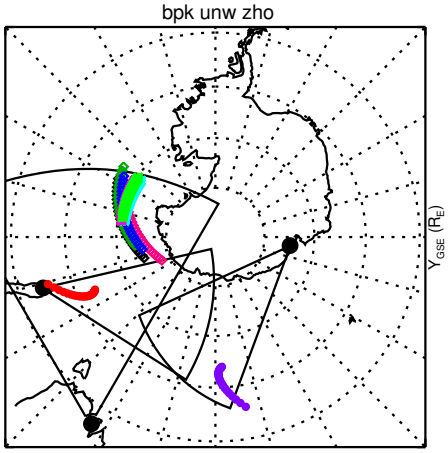


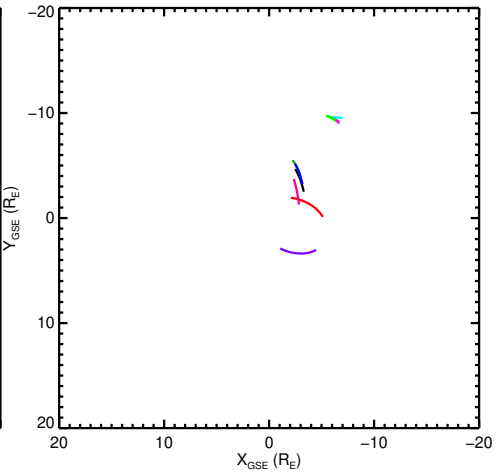


(d) 1225UT to 1430UT
ade adw cly cvw fhw hkw hok ksr

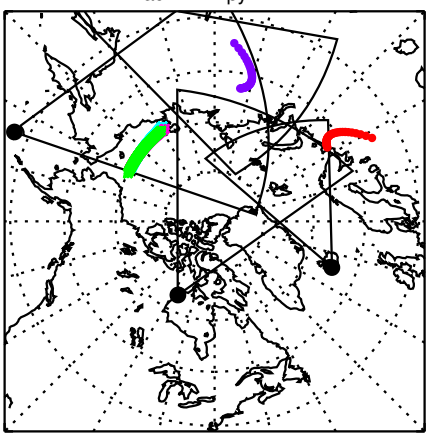


bpk unw zho

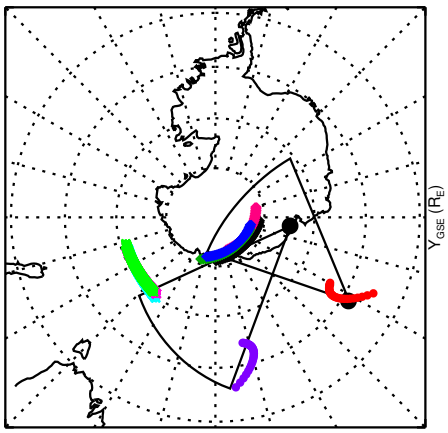


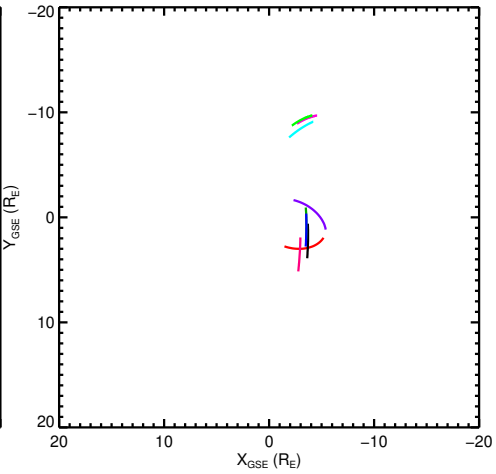


(e) 1640UT to 1920UT
adw hkw pyk rkn

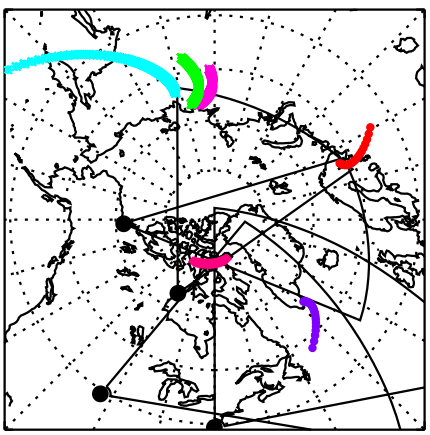


ker zho

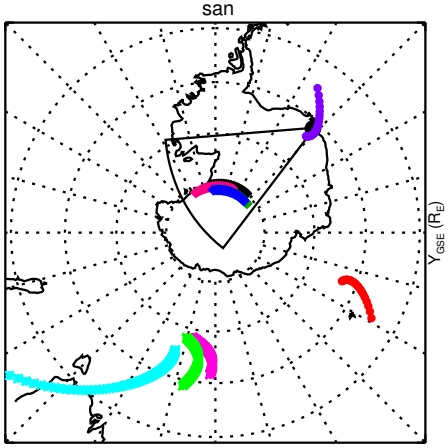


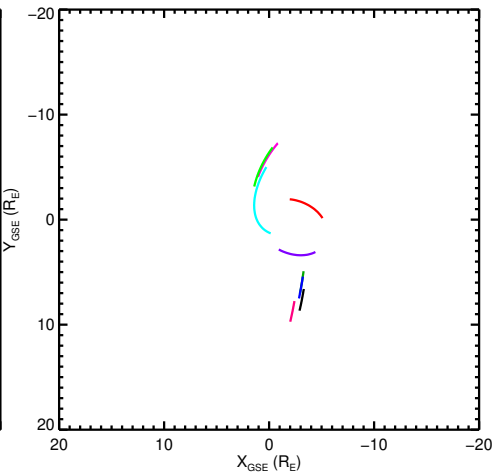


(f) 2125UT to 2330UT
fhe inv rkn wal



san

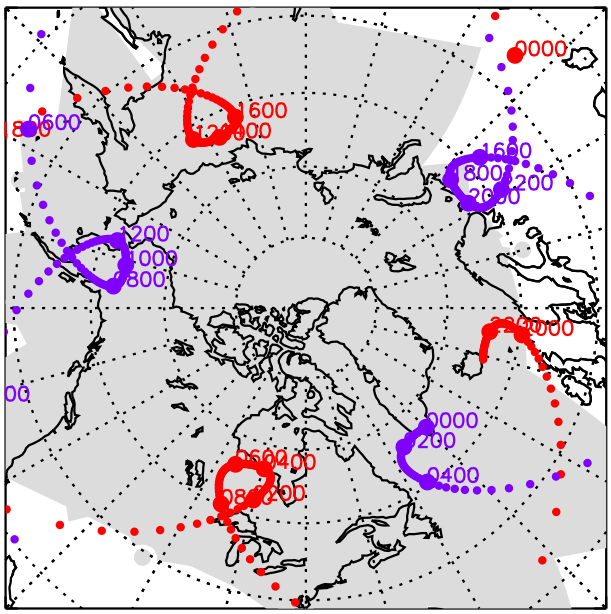


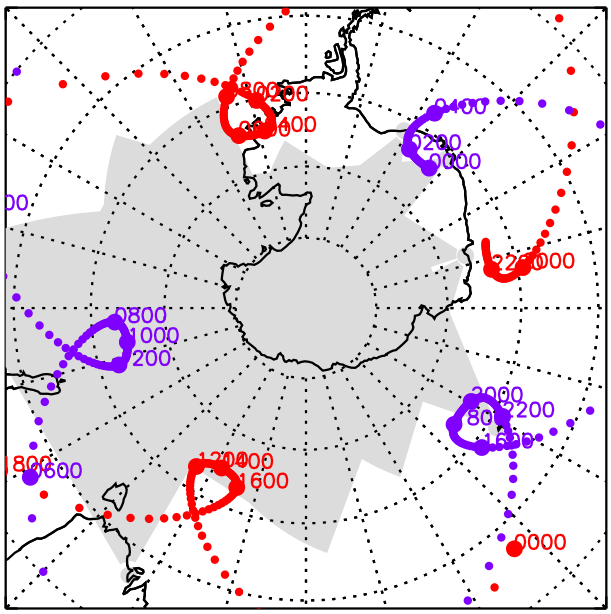


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

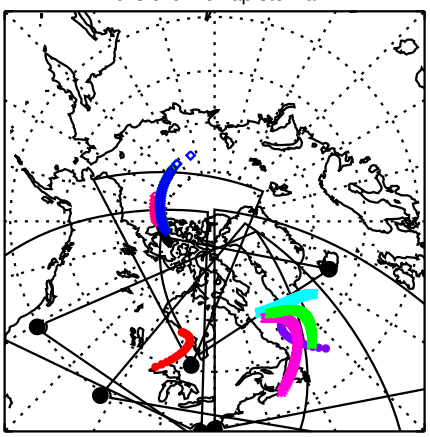
09–Dec–2016

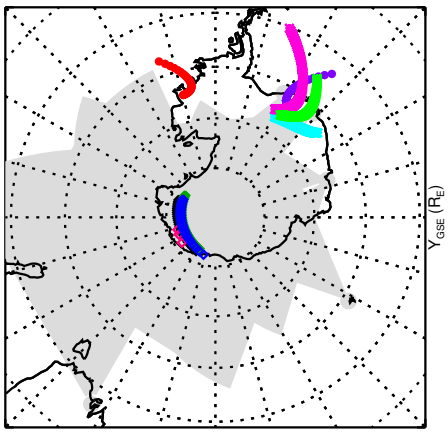
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

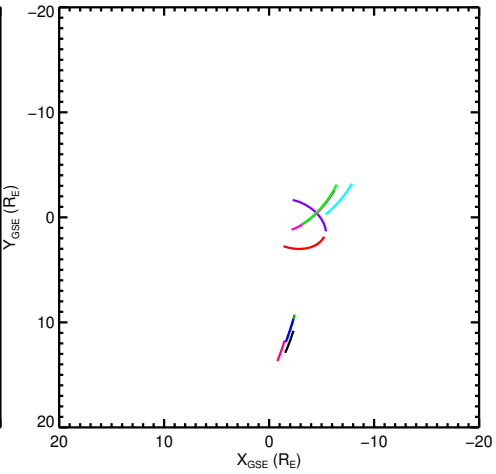




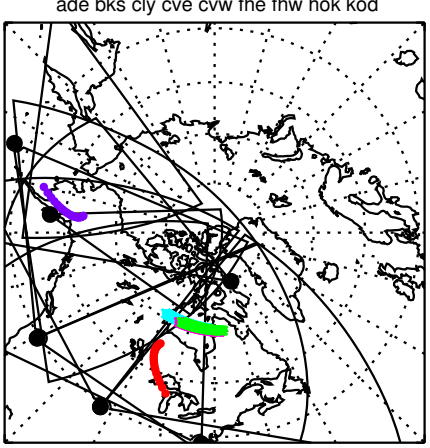
(a) 0135UT to 0425UT
bks cve fhe kap sto wal



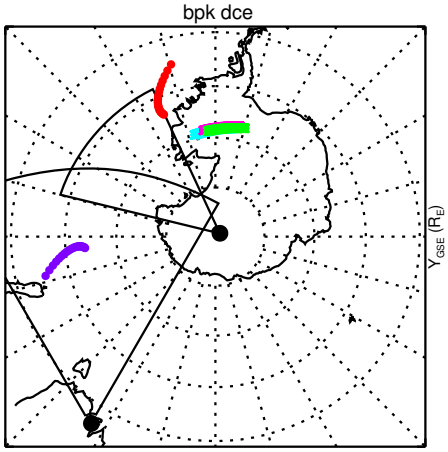


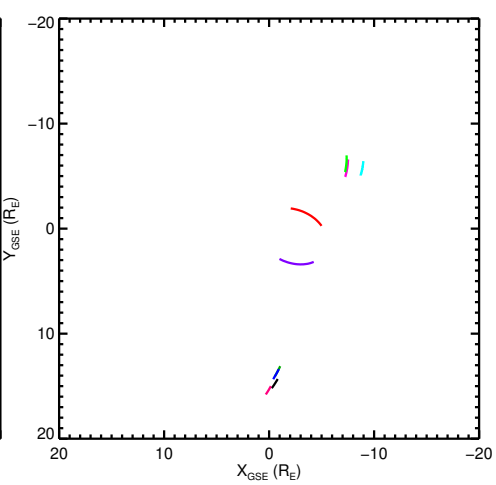


(b) 0630UT to 0825UT
ade bks cly cve cvw fhe fhw hok kod

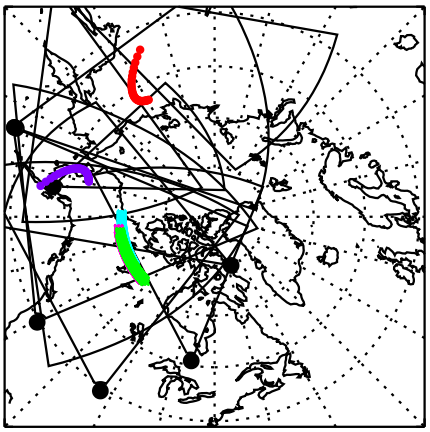


bpk dce

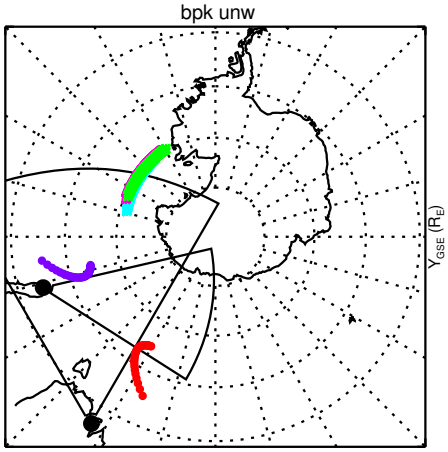


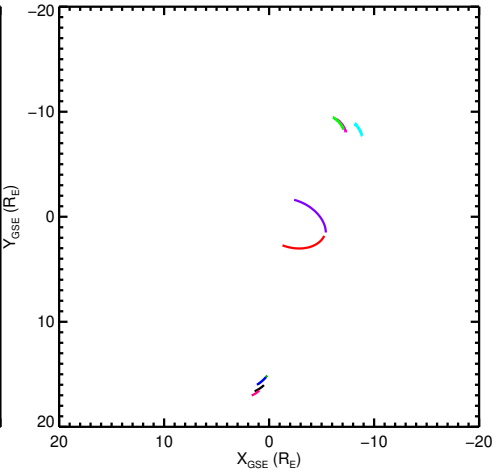


(c) 1030UT to 1325UT
ade adw cly cvw fhw hkw hok kap ksr

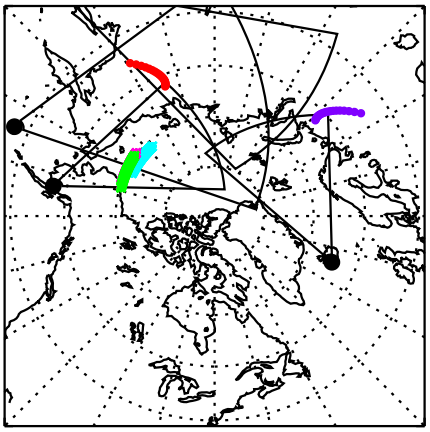


bpk unw

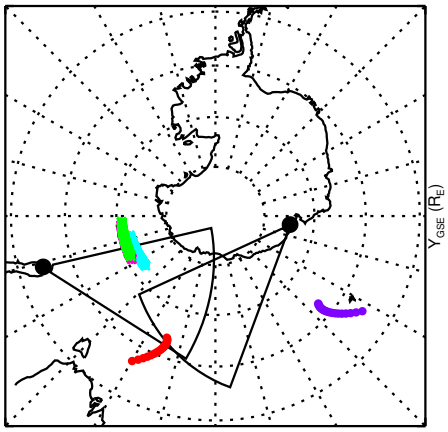


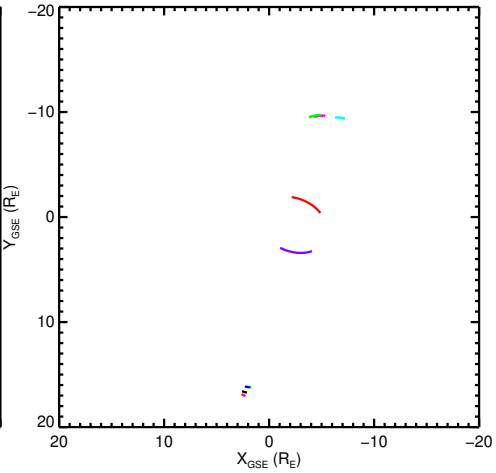


(d) 1535UT to 1720UT
adw hkw ksr pyk

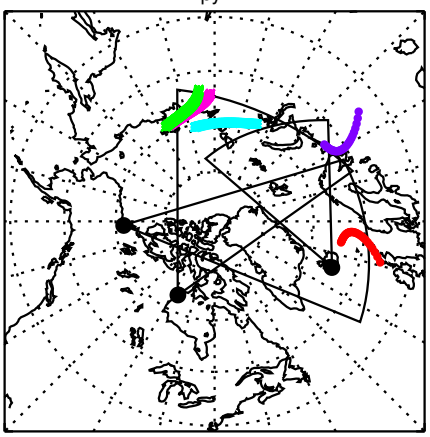


unw zho

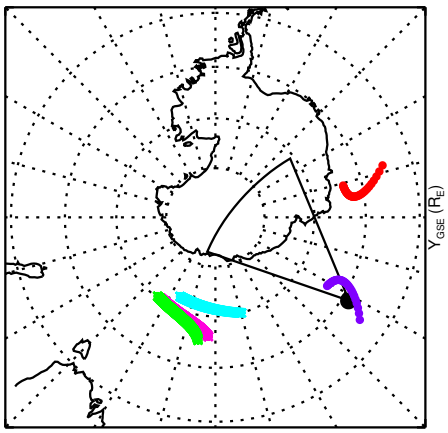


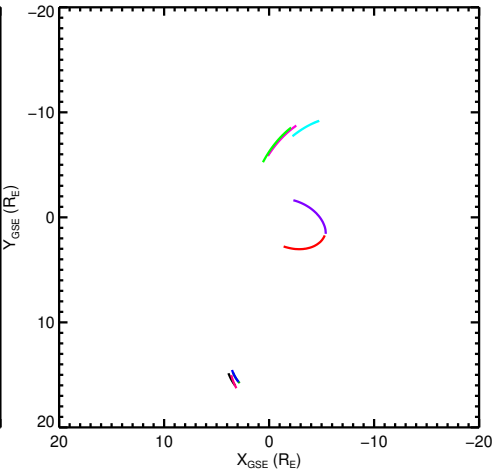


(e) 1930UT to 2230UT
inv pyk rkn



ker

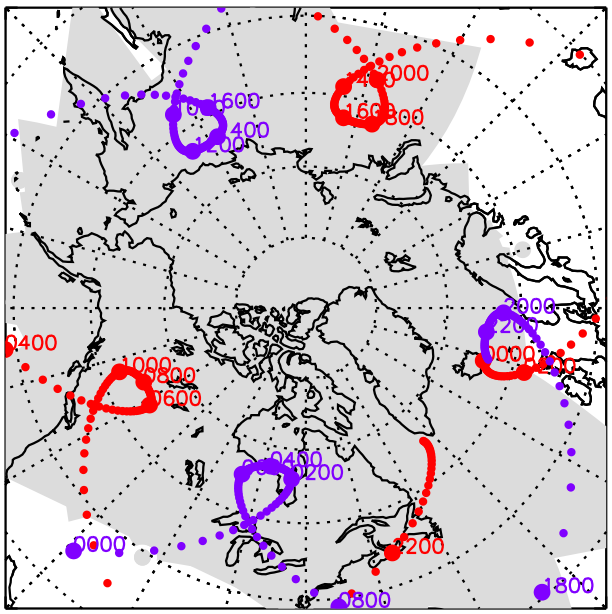


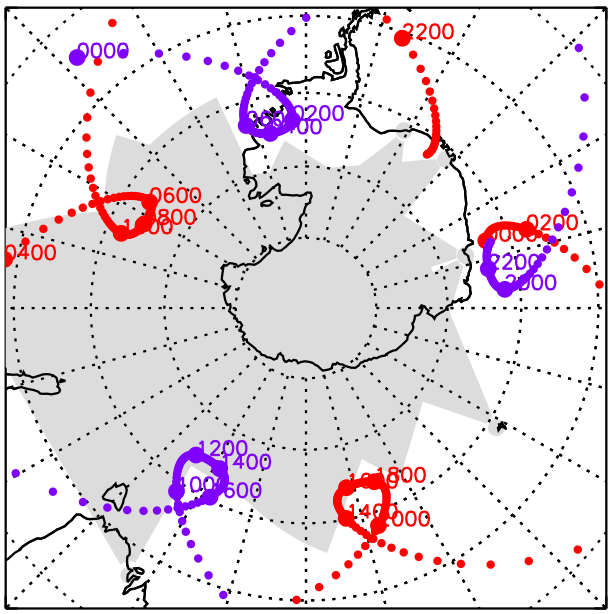


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

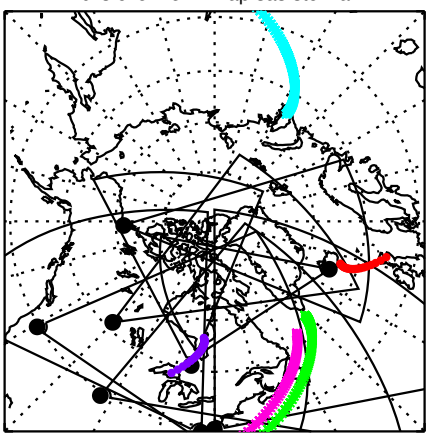
10–Dec–2016

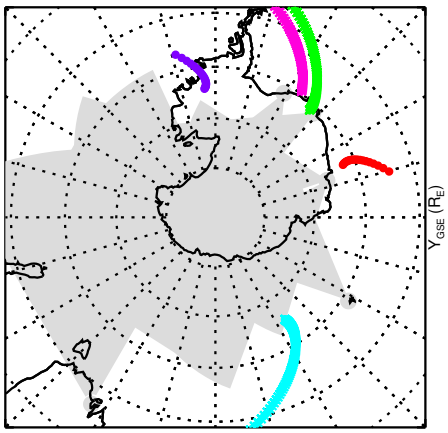
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

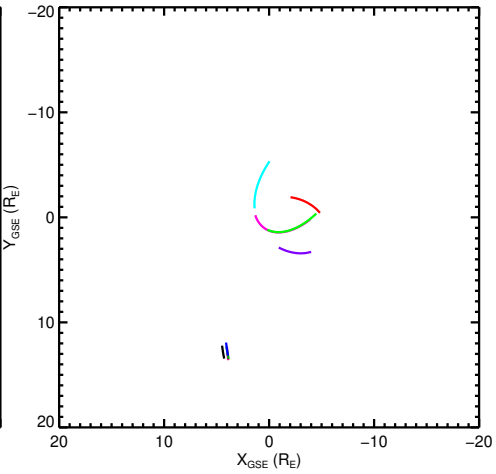




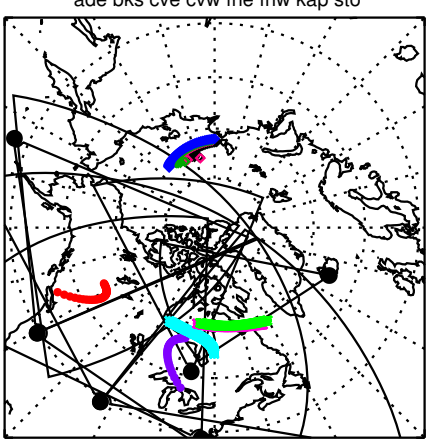
(a) 0035UT to 0220UT
bks cve fhe inv kap sas sto wal



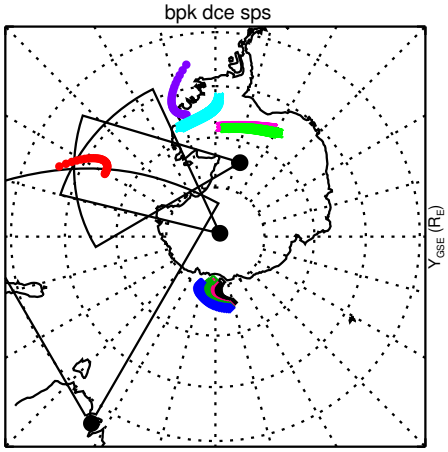


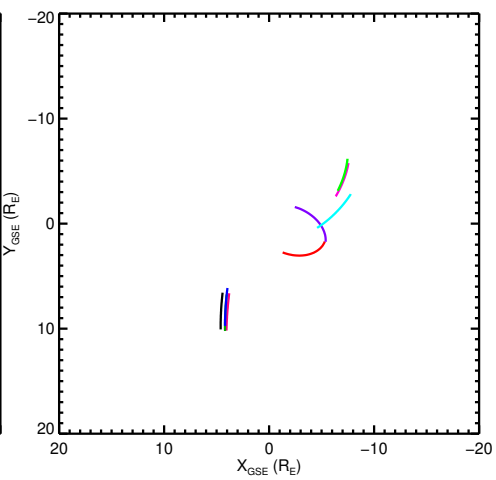


(b) 0425UT to 0730UT
ade bks cve cvw fhe fhw kap sto

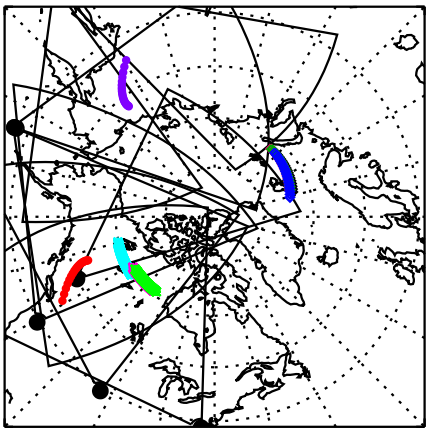


bpk dce sps

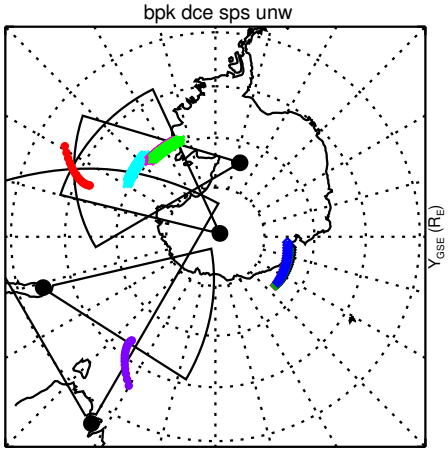


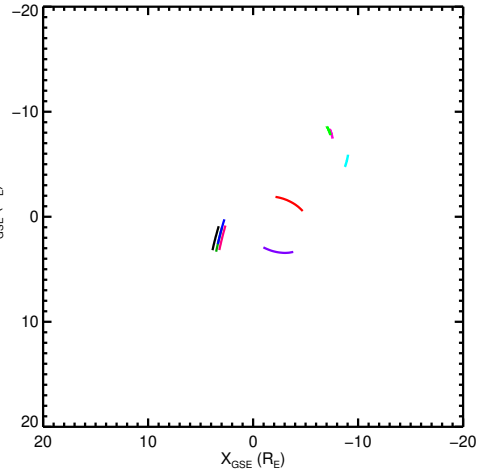


(c) 0940UT to 1115UT
ade adw bks cvw fhw hkw hok pgr

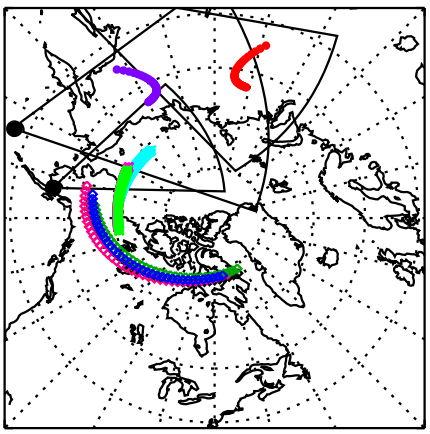


bpk dce sps unw

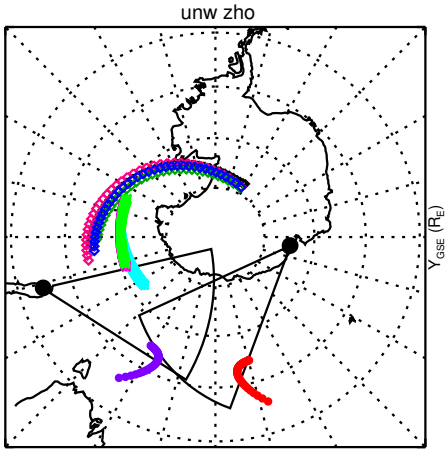


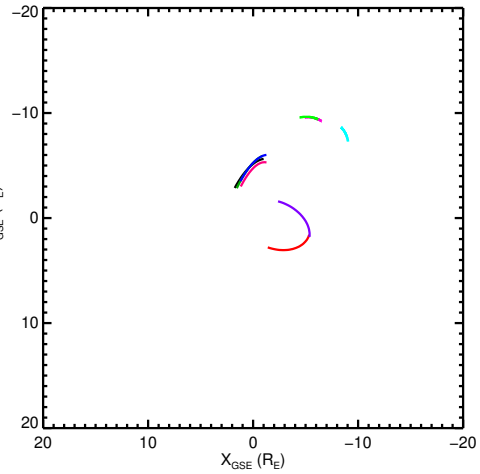


(d) 1325UT to 1635UT
adw hkw ksr

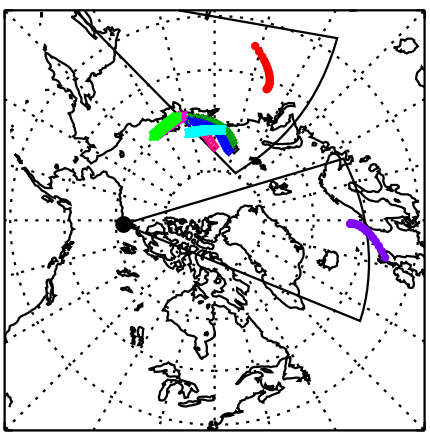


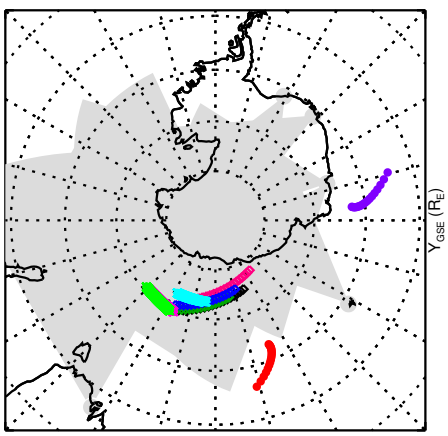
unw zho

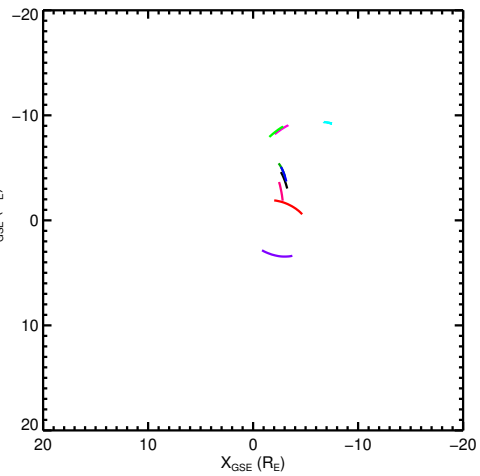




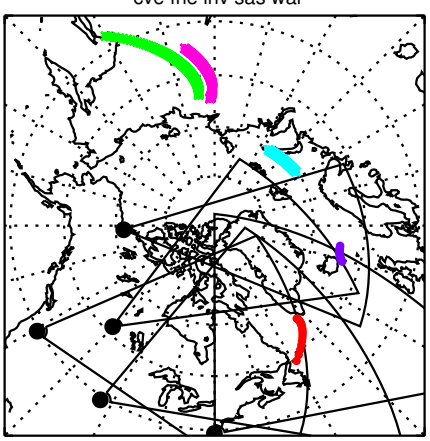
(e) 1840UT to 2015UT
hkw inv

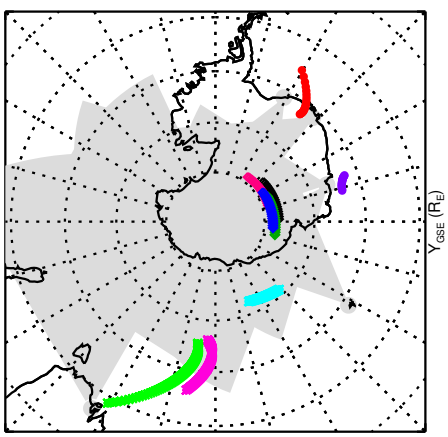


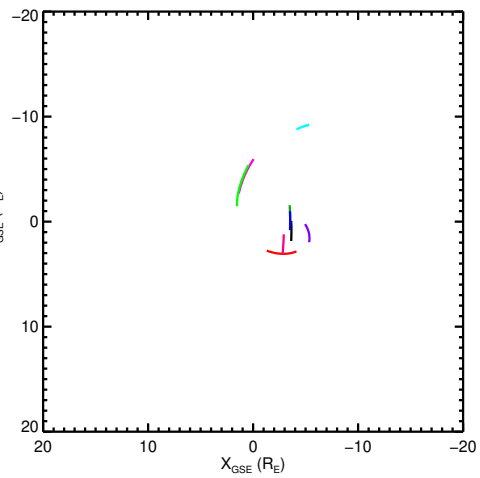




(f) 2220UT to 2355UT
cve fhe inv sas wal



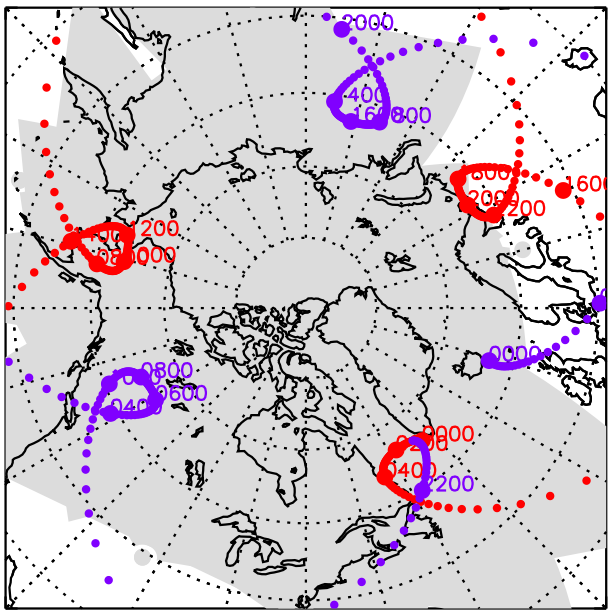


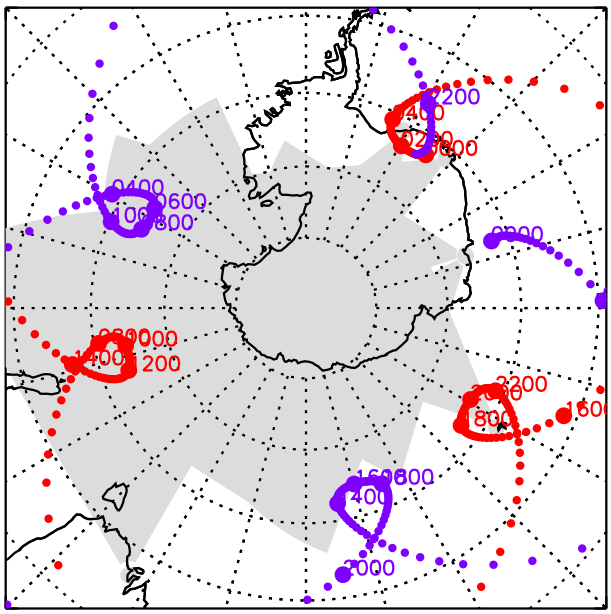


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

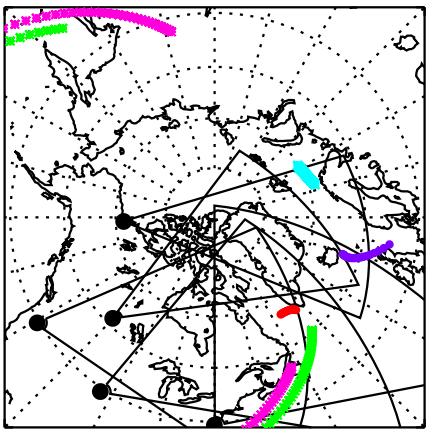
11−Dec−2016

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

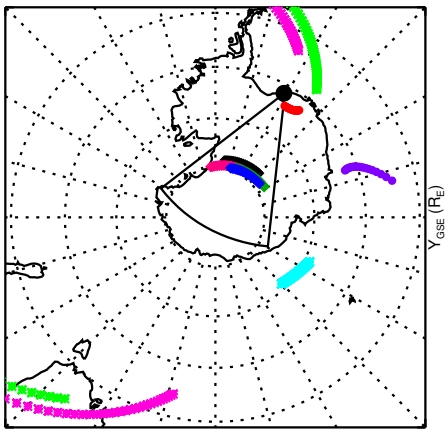


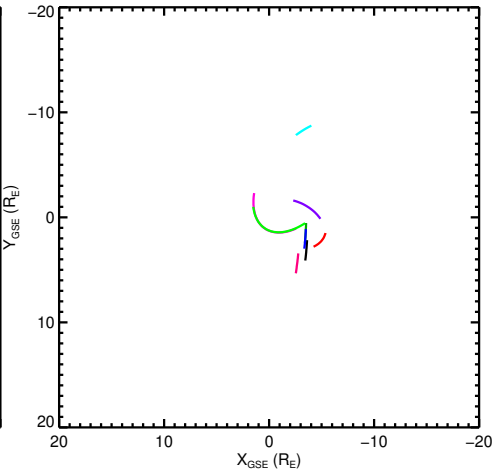


(a) 0000UT to 0140UT
cve fhe inv sas wal

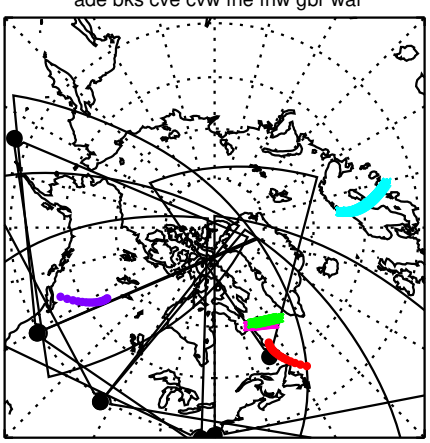


hal

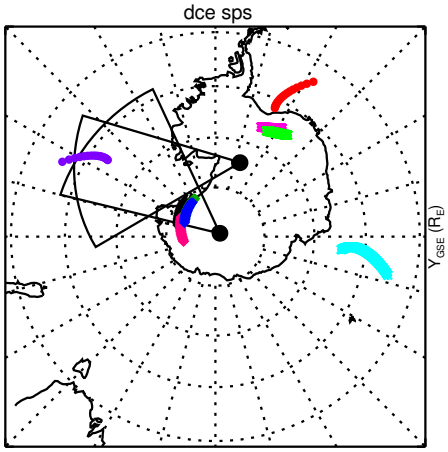


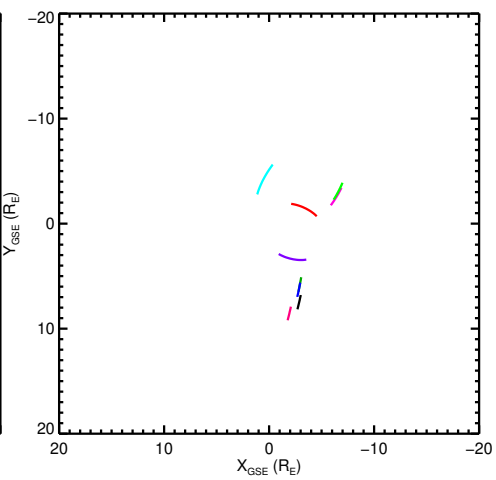


(b) 0345UT to 0510UT
ade bks cve cvw fhe fhw gbr wal



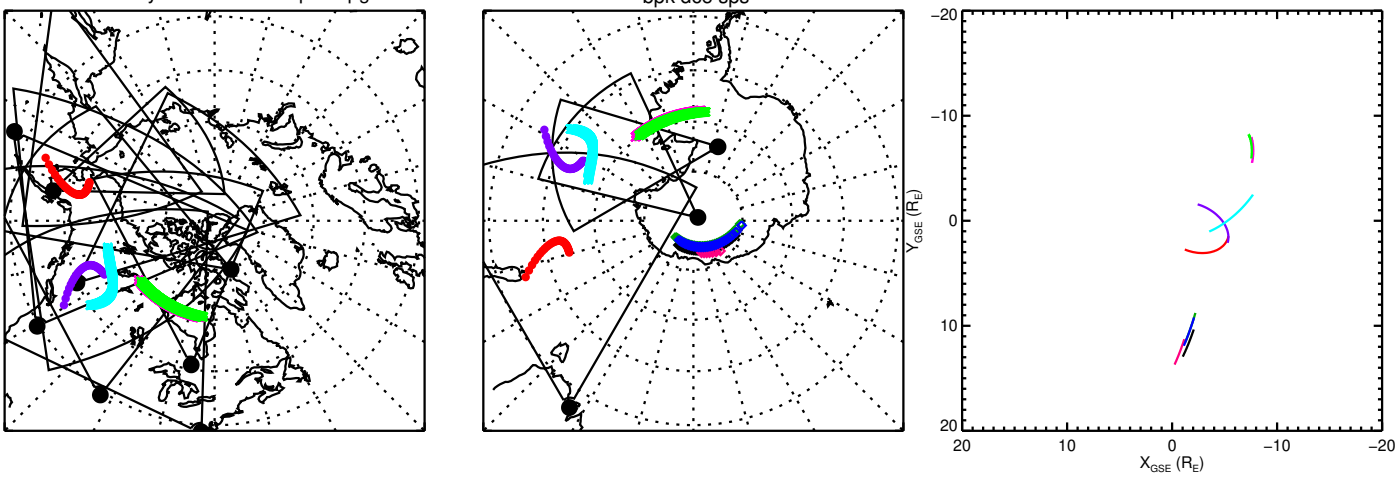
dce sps





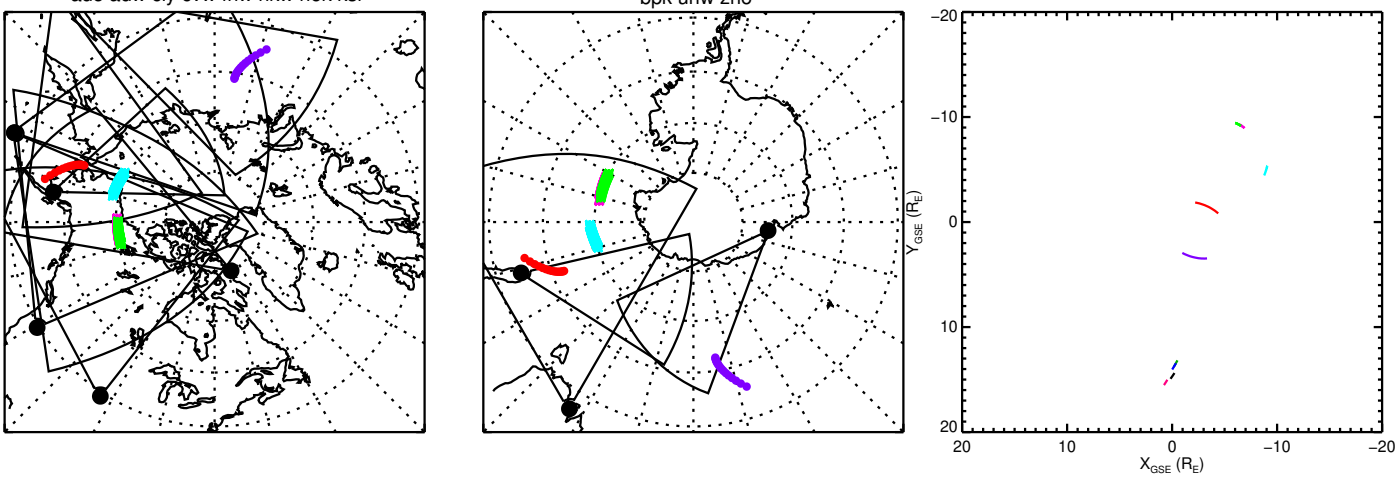
(c) 0715UT to 1040UT
ade bks cly cvw fhw hok kap ksr pgr

bpk dce sps



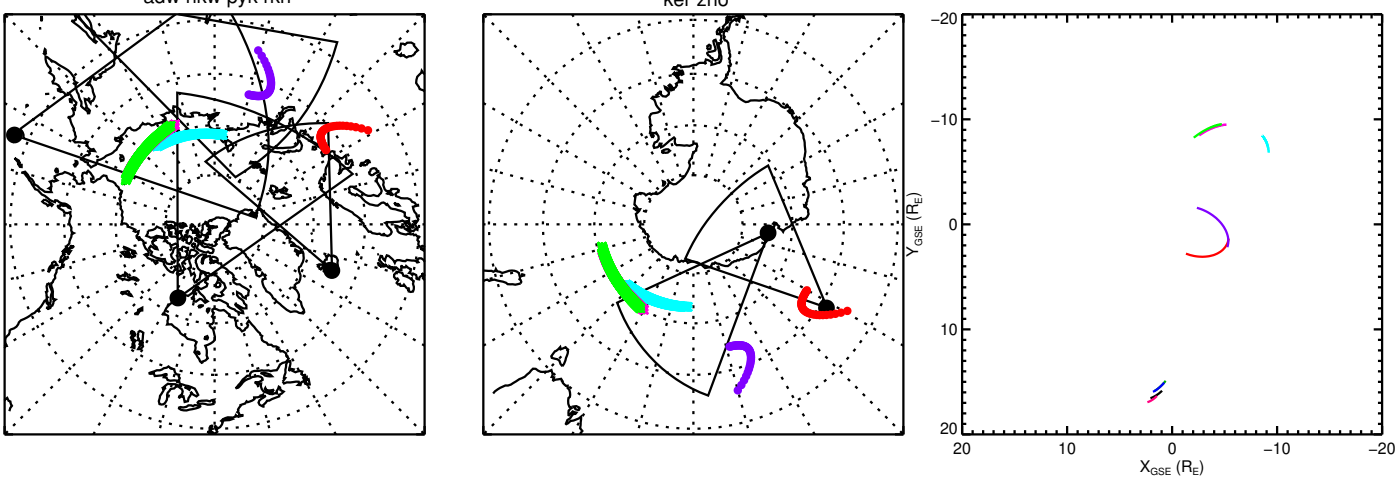
(d) 1250UT to 1405UT
ade adw cly cvw fhw hkw hok ksr

bpk unw zho

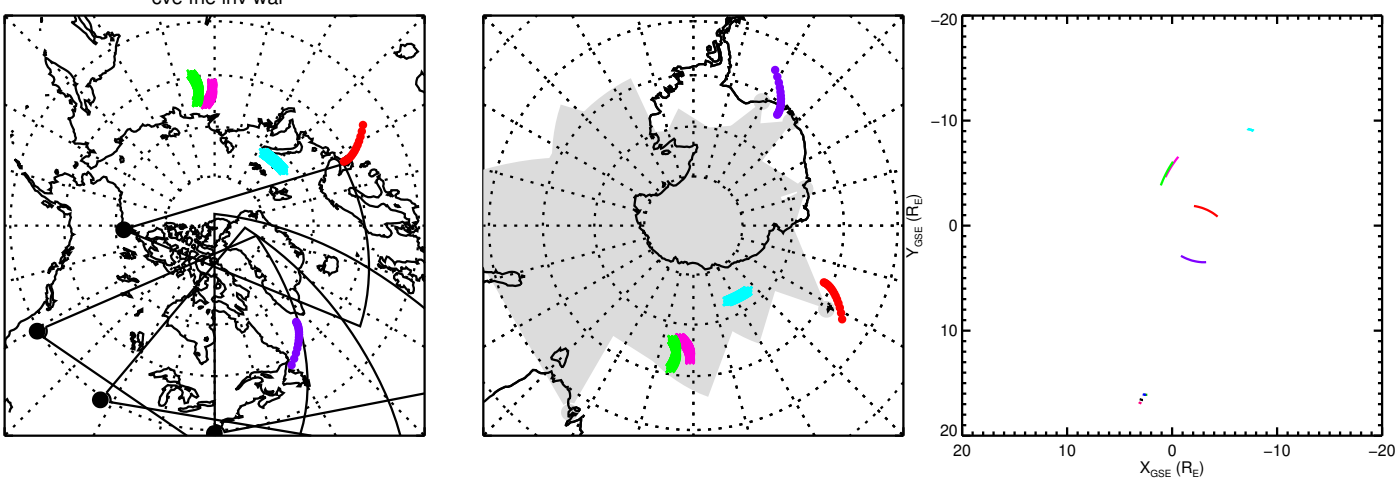


(e) 1615UT to 1945UT
adw hkw pyk rkn

ker zho



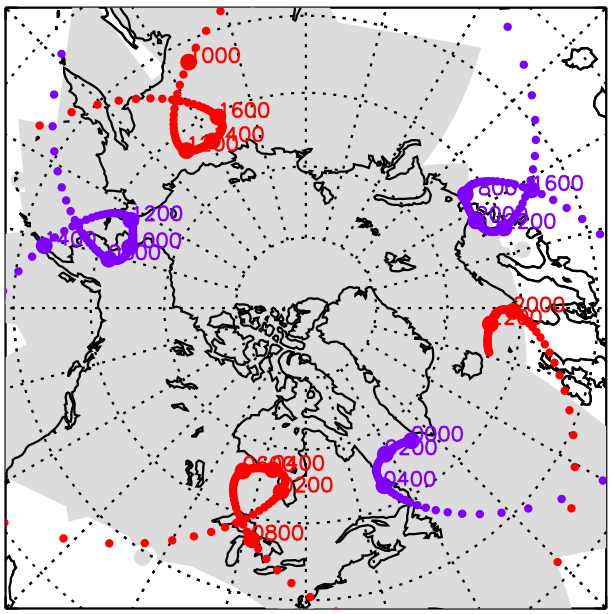
(f) 2150UT to 2305UT
cve fhe inv wal

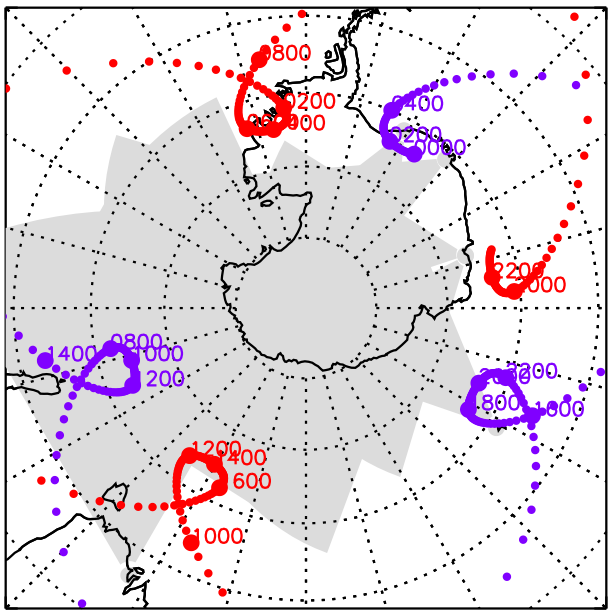


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

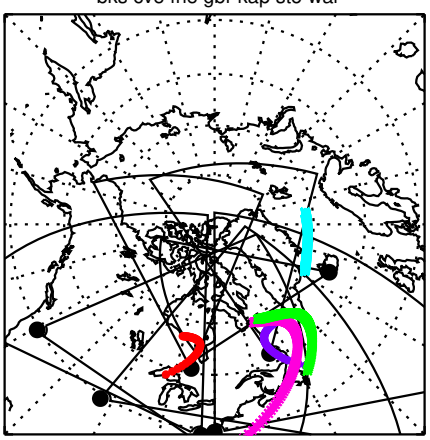
12–Dec–2016

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

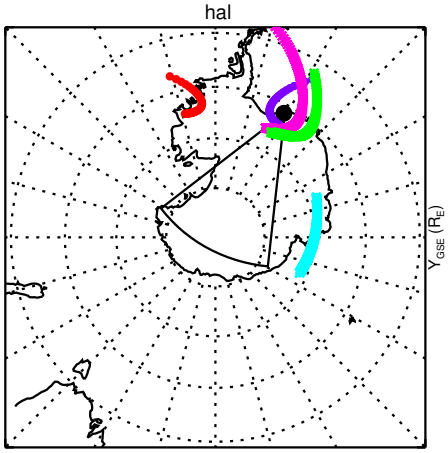


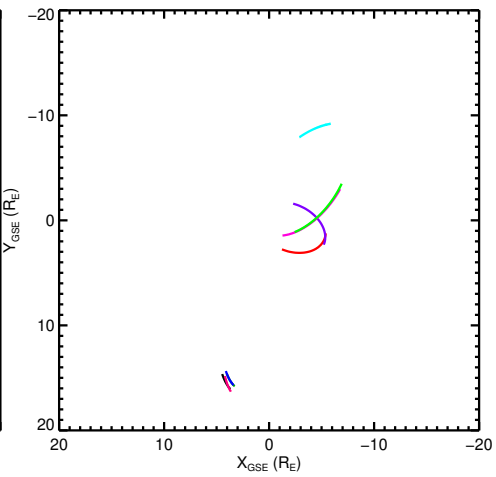


(a) 0110UT to 0450UT
bks cve fhe gbr kap sto wal

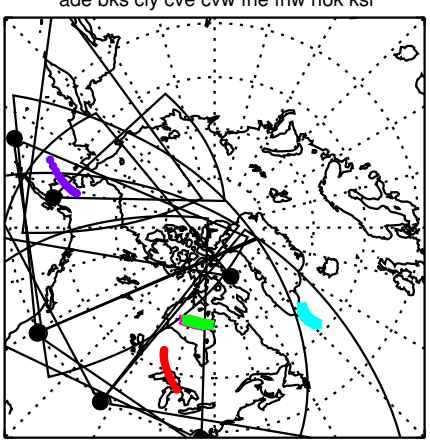


hal

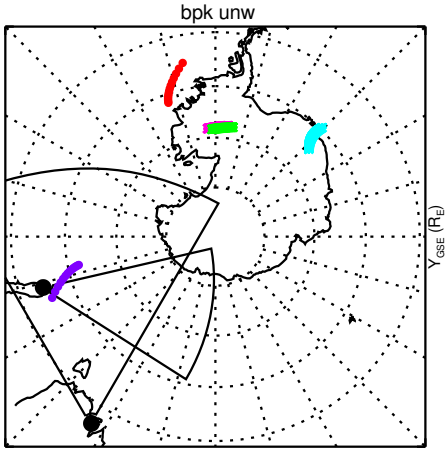


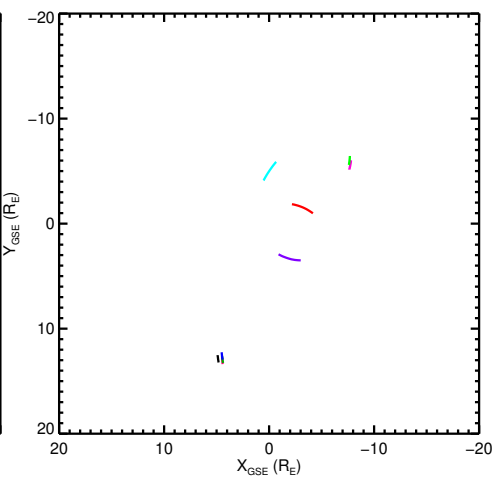


(b) 0655UT to 0800UT
ade bks cly cve cvw fhe fhw hok ksr

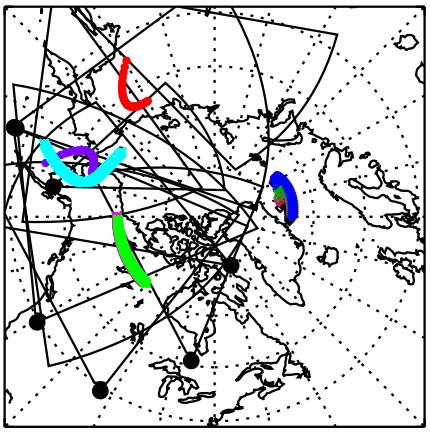


bpk unw

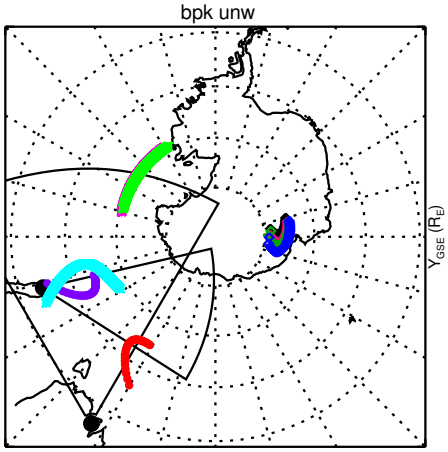


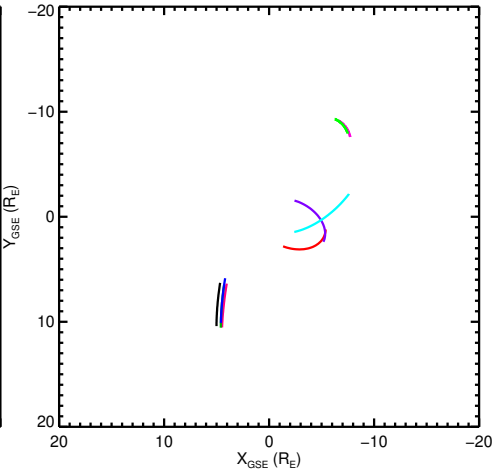


(c) 1010UT to 1350UT
ade adw cly cvw fhw hkw hok kap ksr

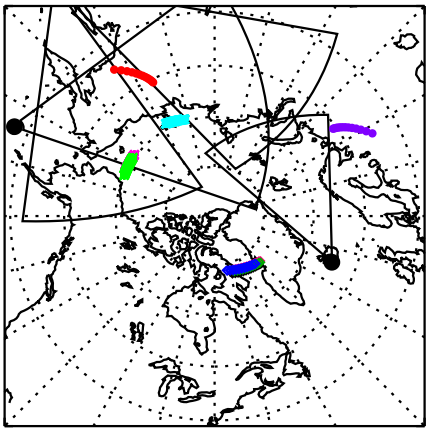


bpk unw

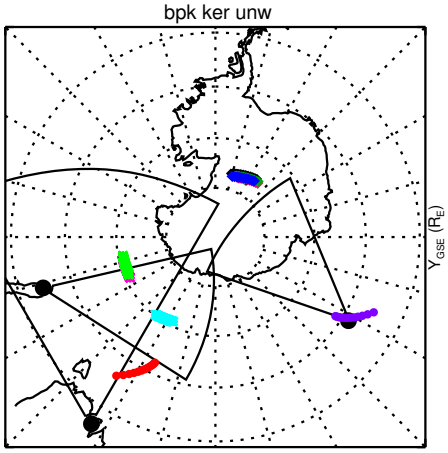


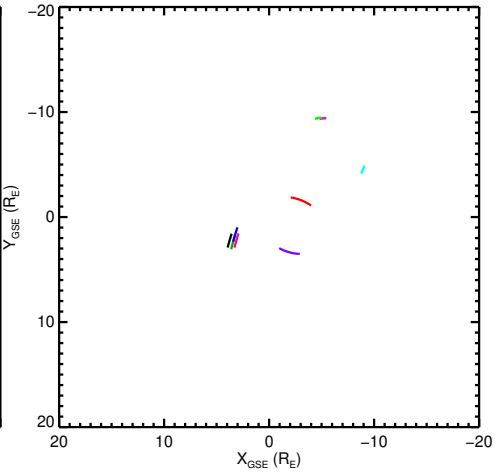


(d) 1600UT to 1700UT
adw hkw hok pyk

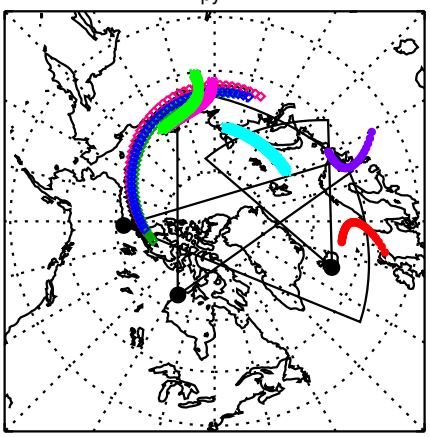


bpk ker unw

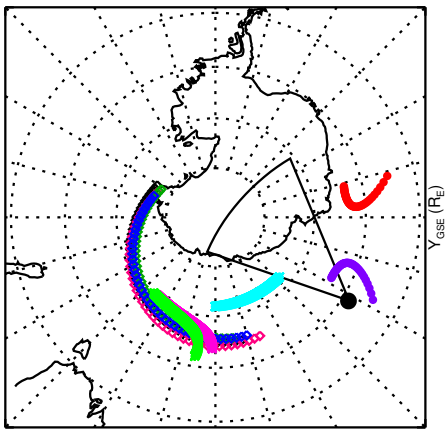


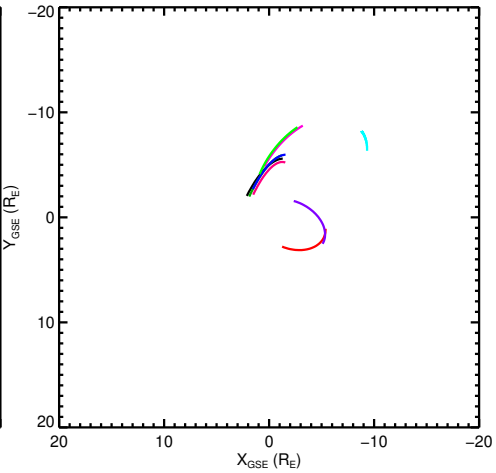


(e) 1905UT to 2255UT
inv pyk rkn



ker

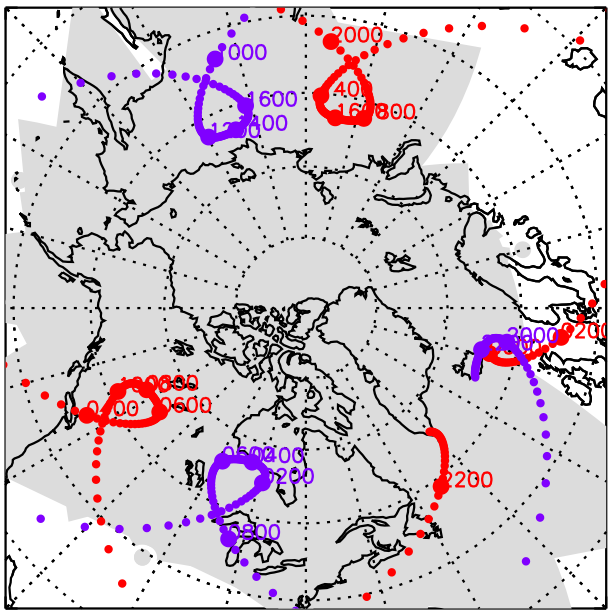


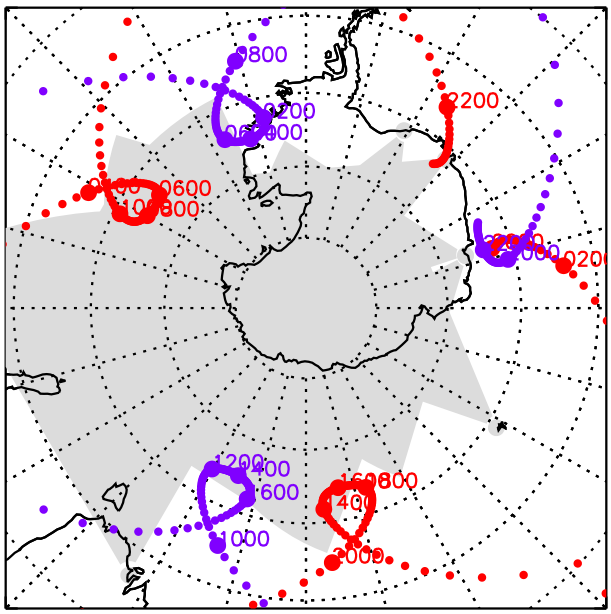


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

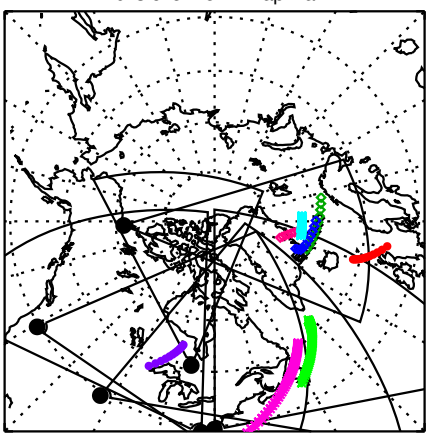
13–Dec–2016

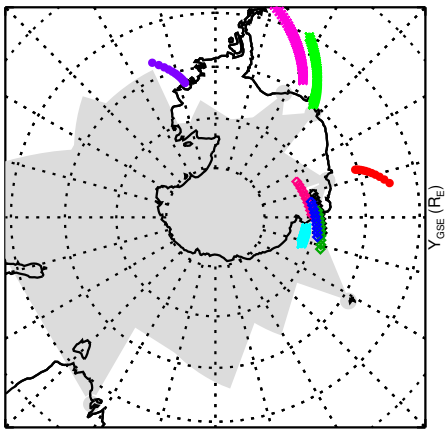
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

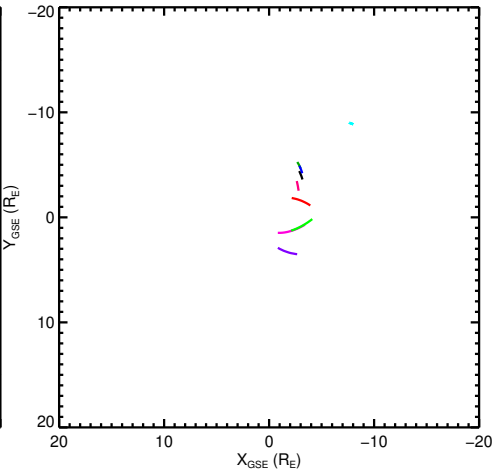




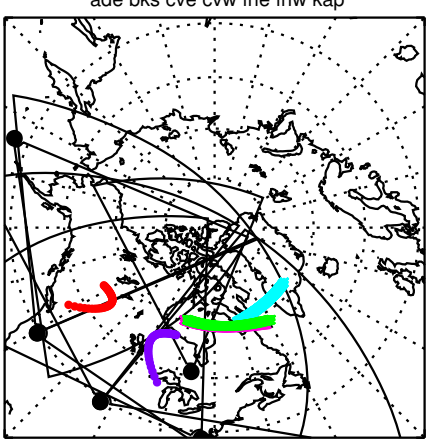
(a) 0100UT to 0155UT
bks cve fhe inv kap wal



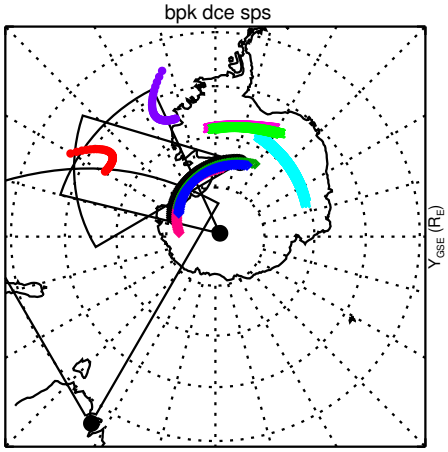


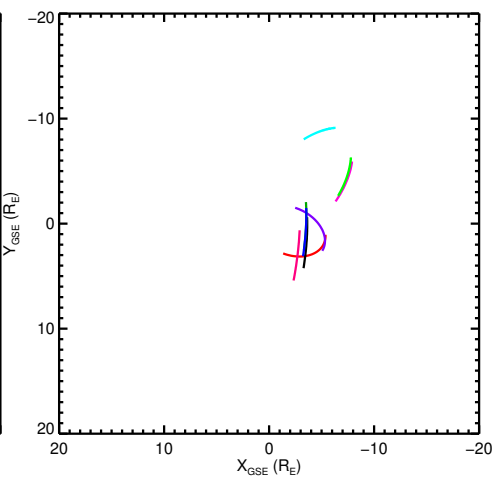


(b) 0405UT to 0755UT
ade bks cve cvw fhe fhw kap



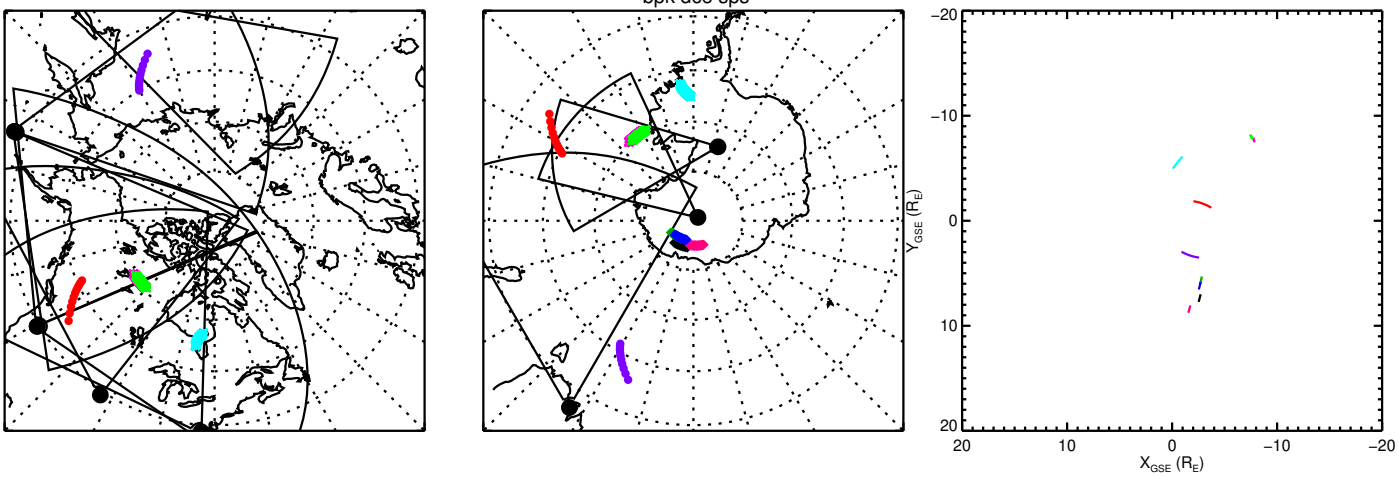
bpk dce sps





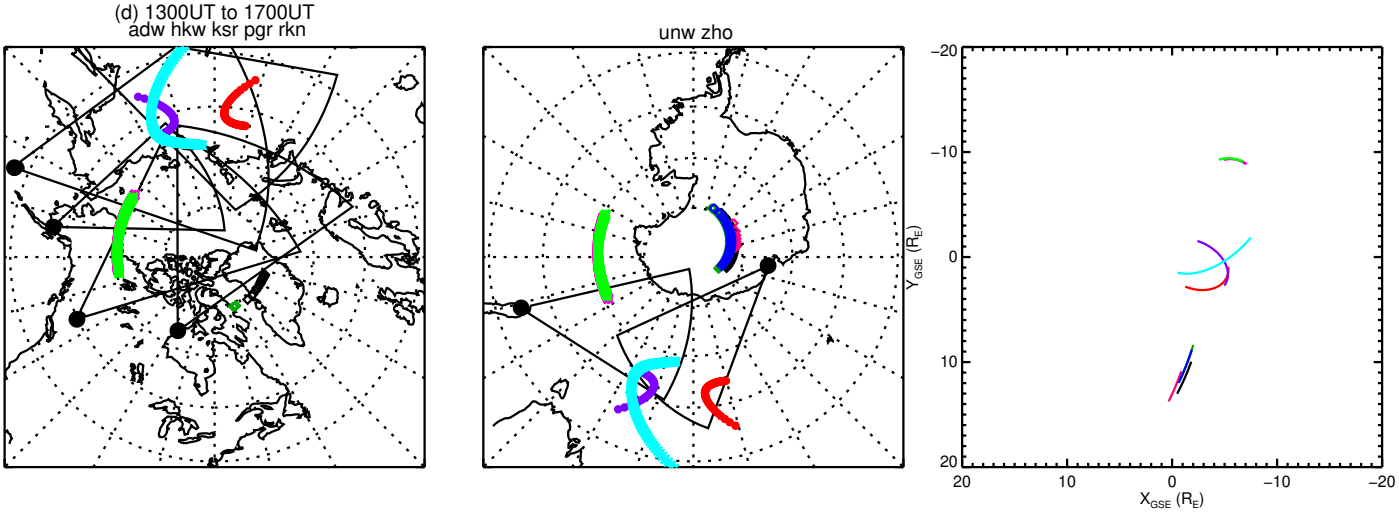
(c) 1005UT to 1055UT
ade adw bks cve cvw fhw hkw

bpk dce sps

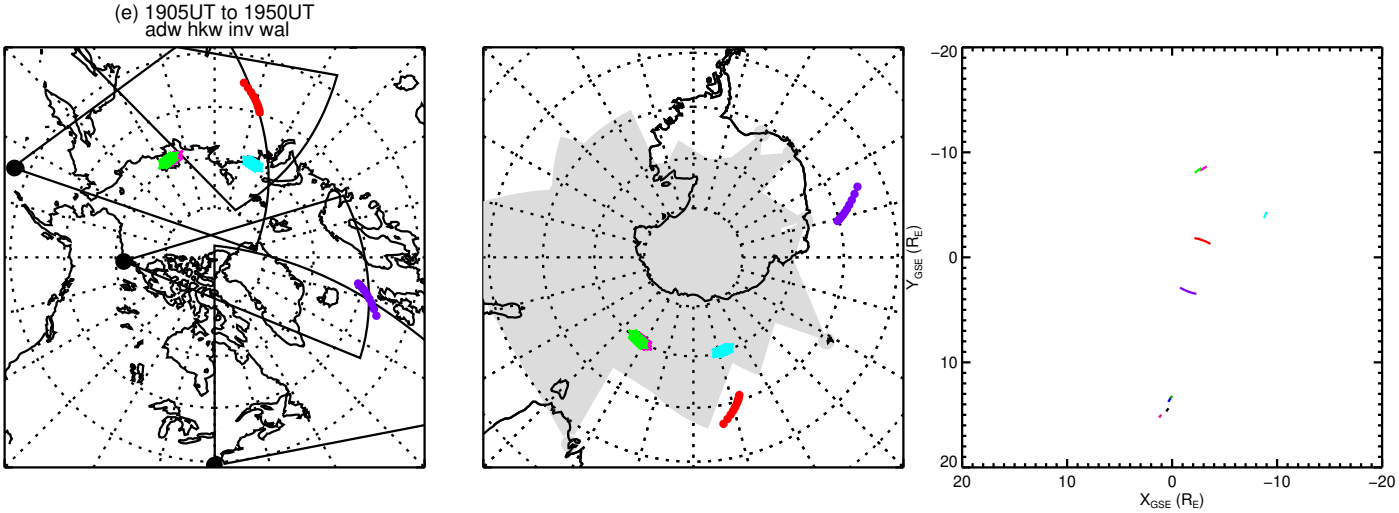


(d) 1300UT to 1700UT
adw hkw ksr pgr rkn

unw zho

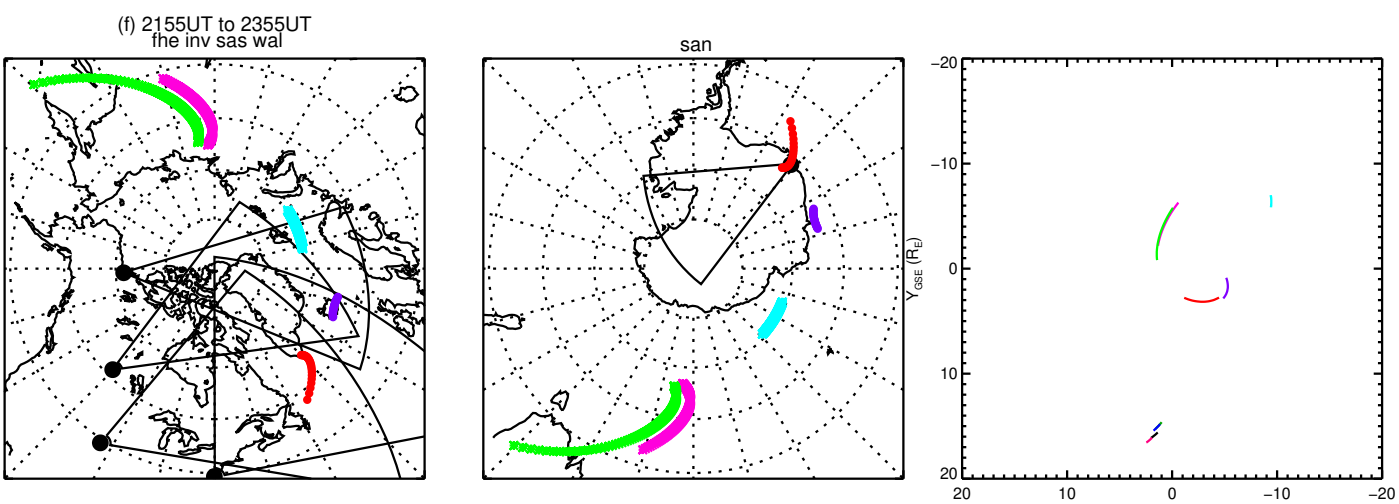


(e) 1905UT to 1950UT
adw hkw inv wal



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

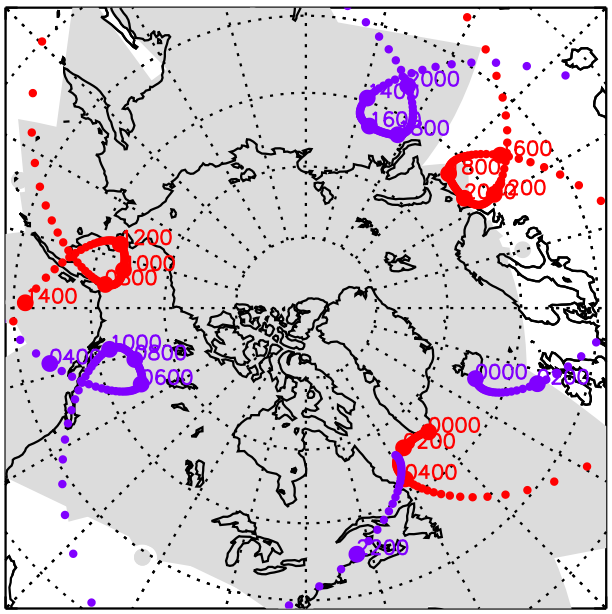
san

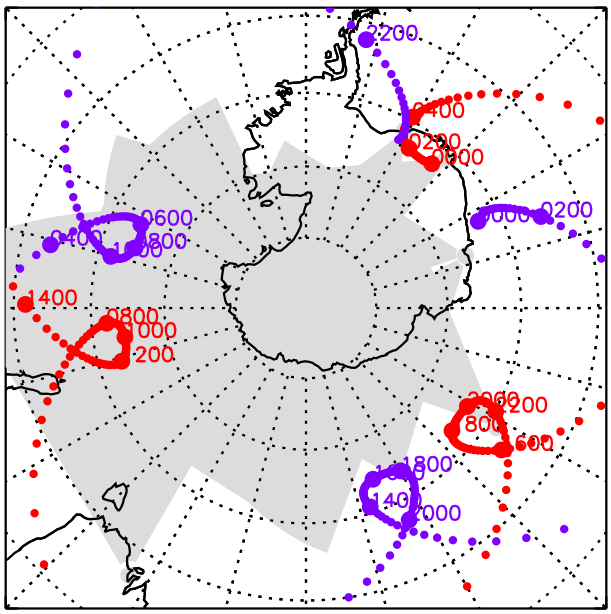


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

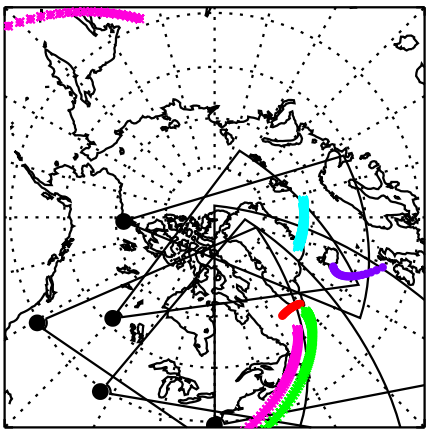
14–Dec–2016

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

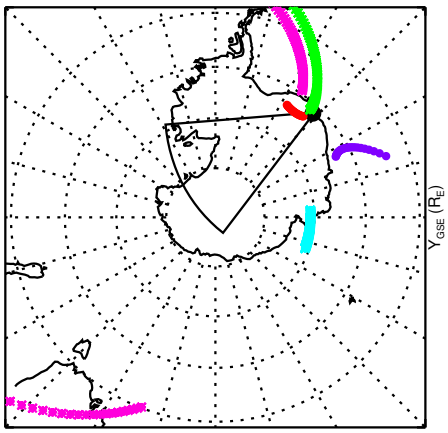


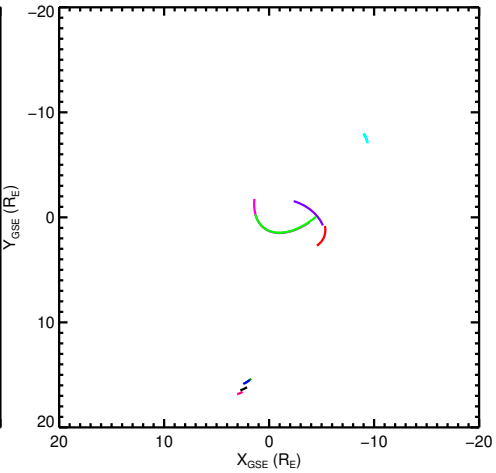


(a) 0000UT to 0205UT
cve fhe inv sas wal

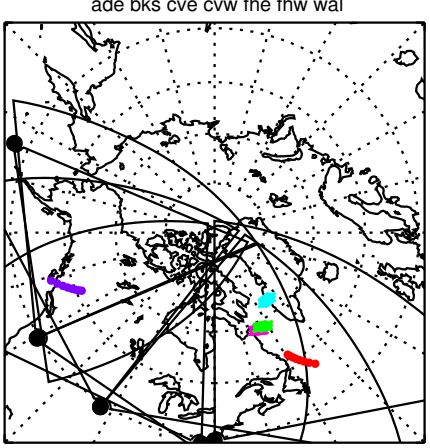


san

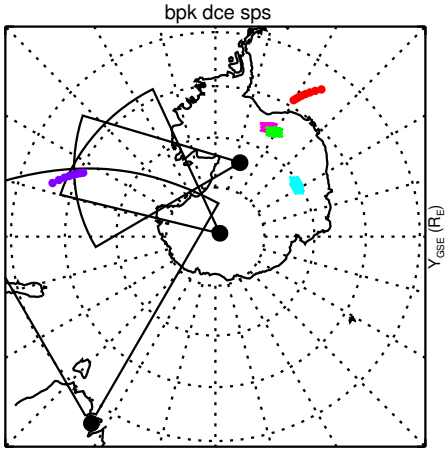


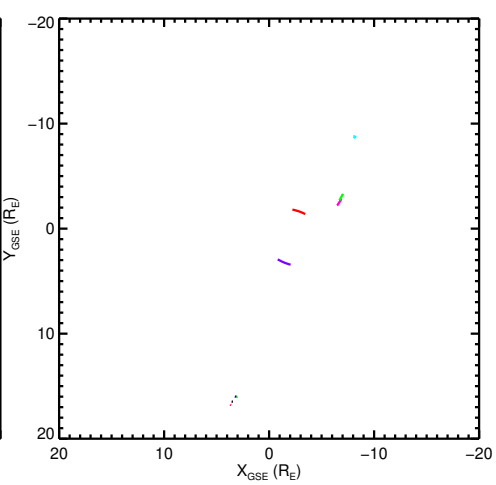


(b) 0410UT to 0445UT
ade bks cve cvw fhe fhw wal

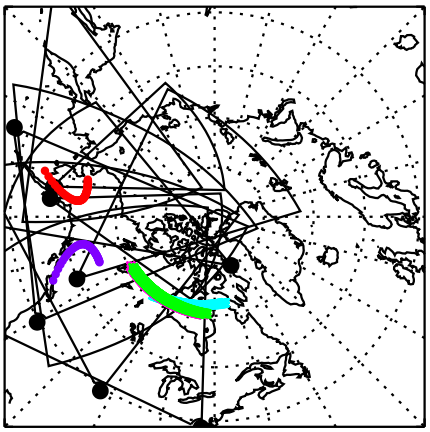


bpk dce sps

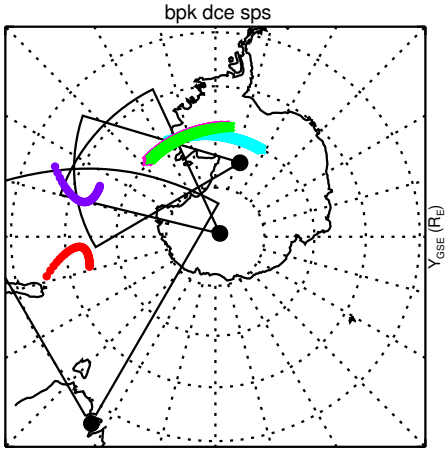


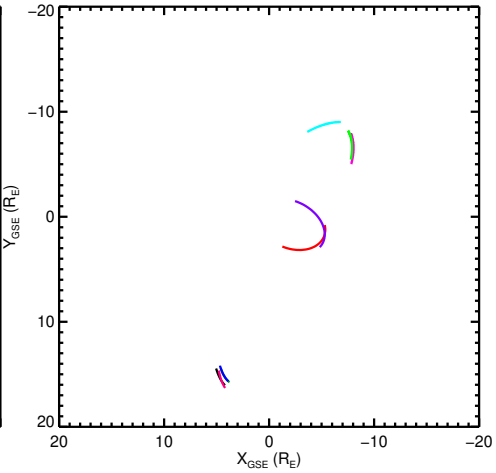


(c) 0655UT to 1105UT
ade bks cly cvw fhw hok kod ksr pgr

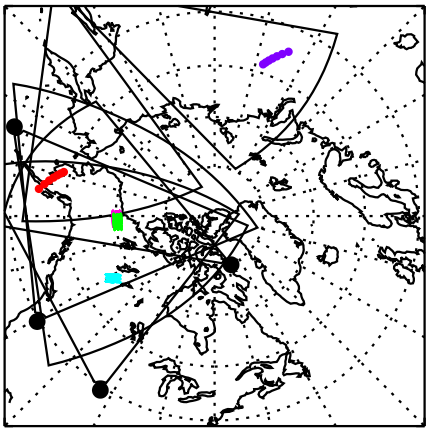


bpk dce sps

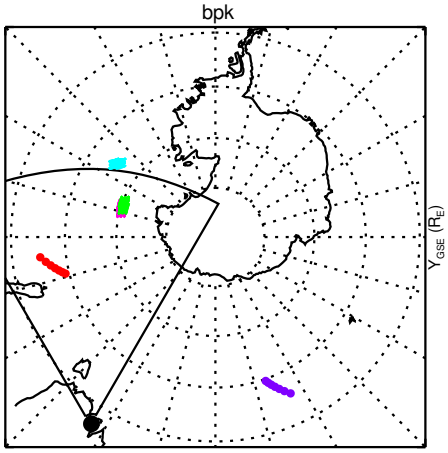


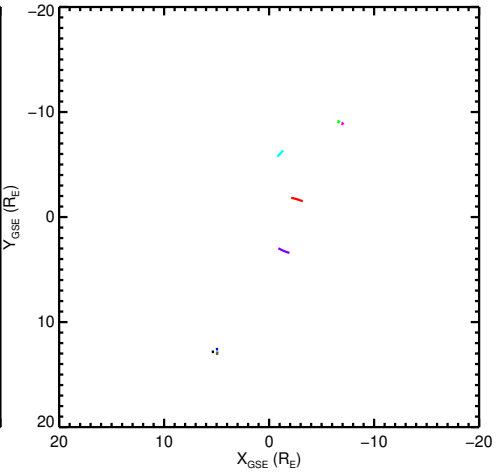


(d) 1315UT to 1345UT
ade cly cvw fhw hkw hok

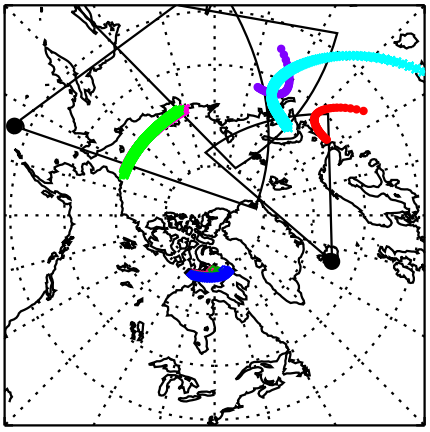


bpk

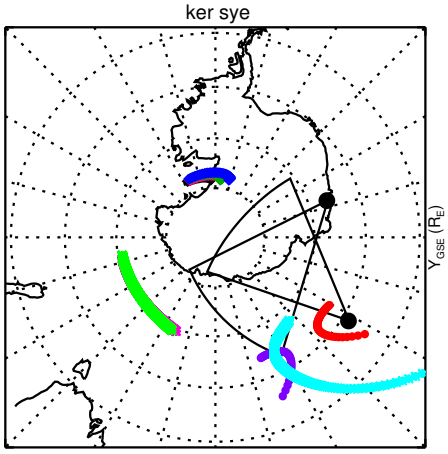


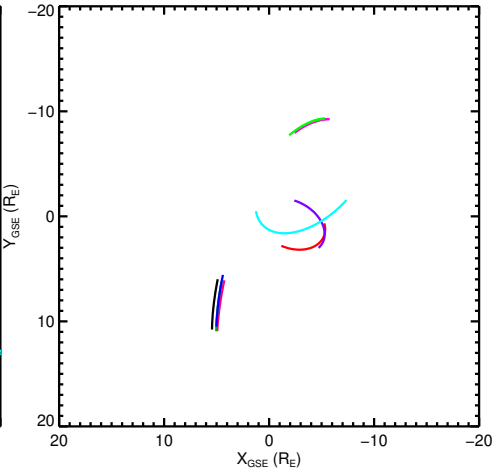


(e) 1550UT to 2010UT
adw hkw pyk

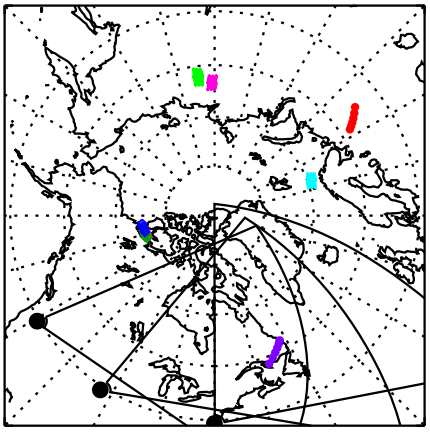


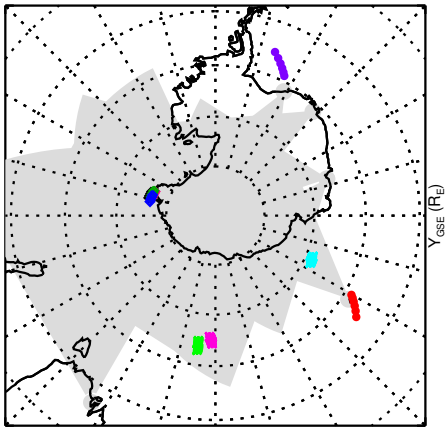
ker sye

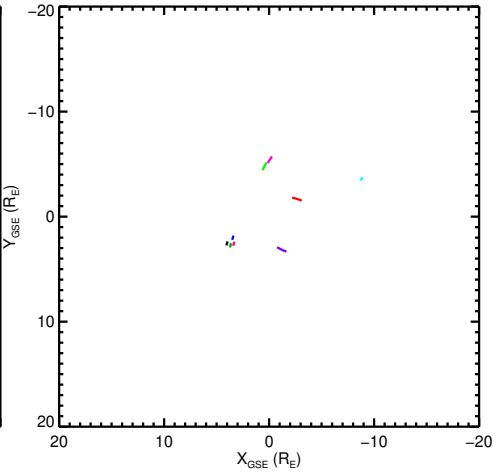




(f) 2215UT to 2240UT
cve fhe wal



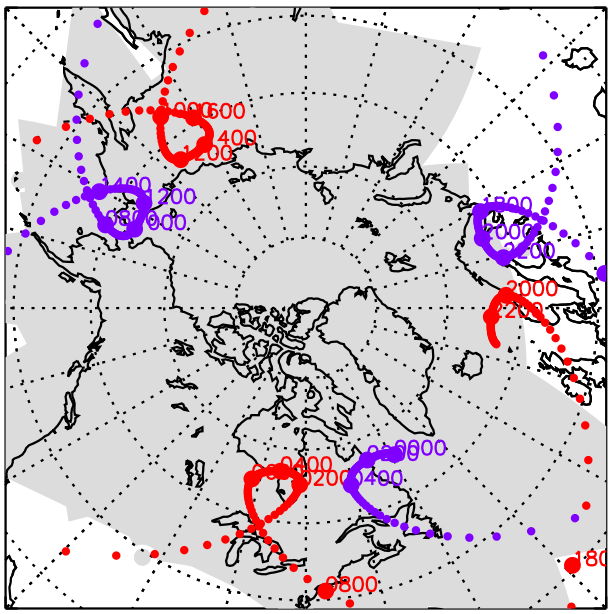


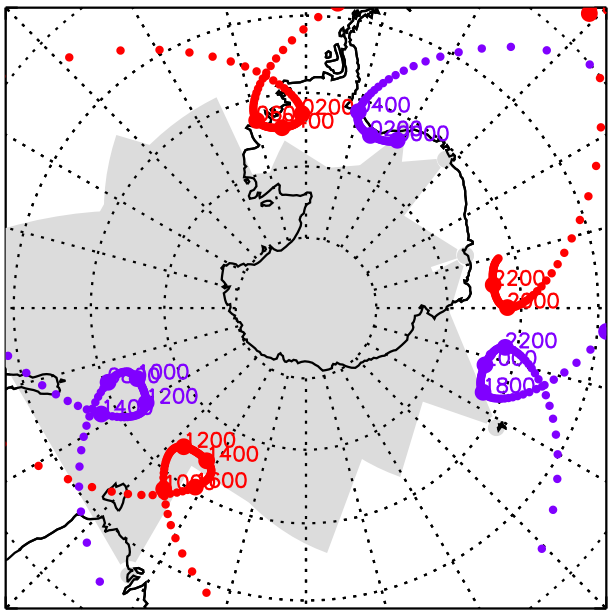


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

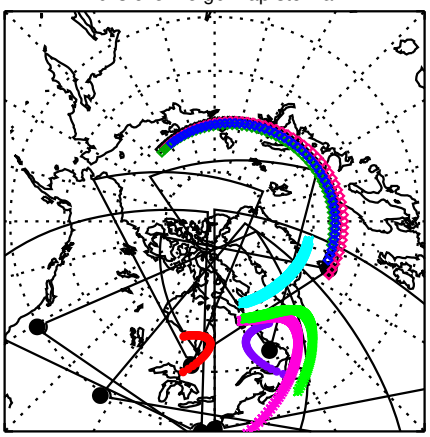
15–Dec–2016

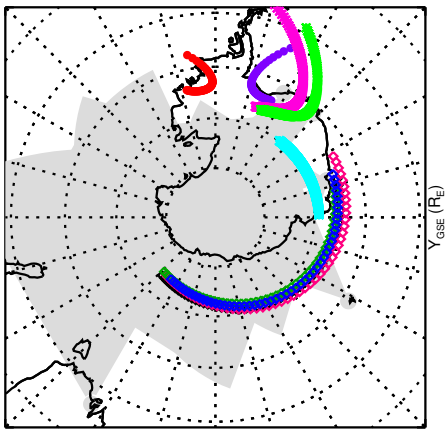
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

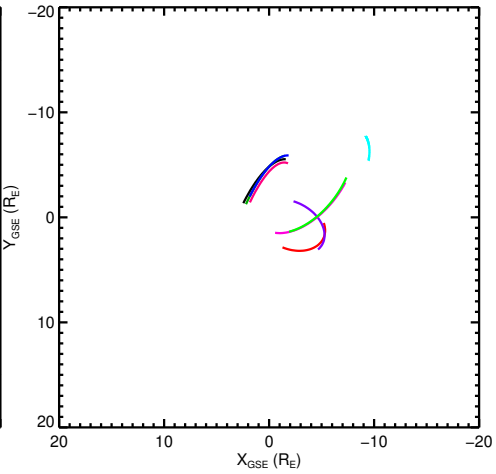




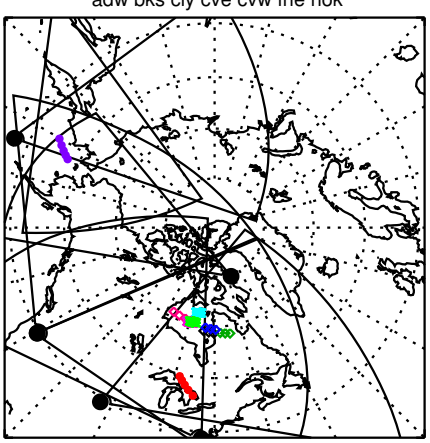
(a) 0050UT to 0515UT
bks cve fhe gbr kap sto wal



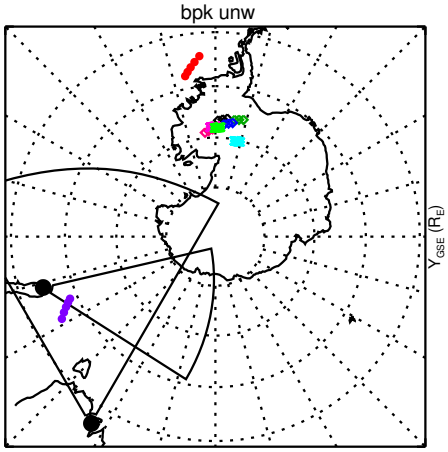


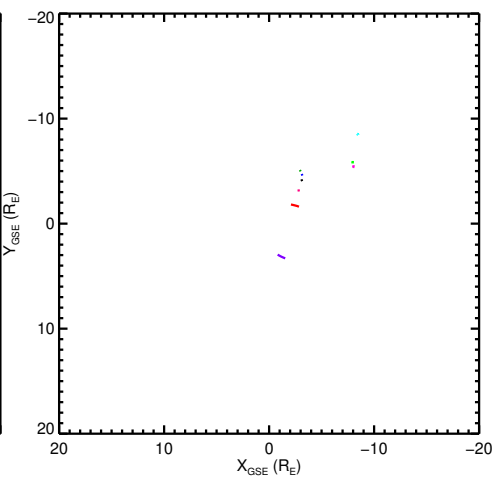


(b) 0720UT to 0740UT
adw bks cly cve cvw fhe hok

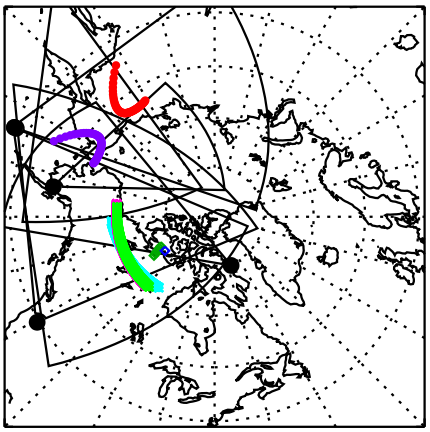


bpk unw

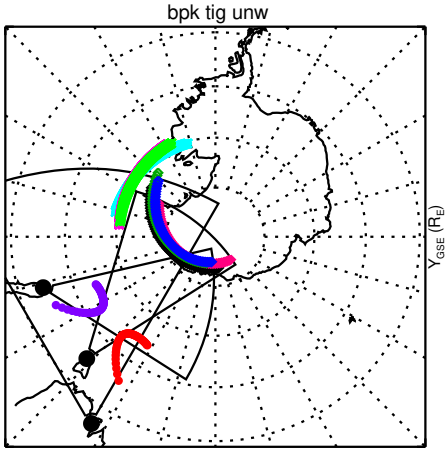


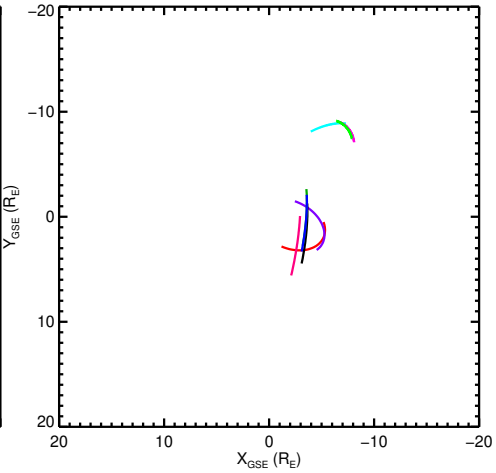


(c) 0945UT to 1415UT
ade adw cly cvw hok ksr

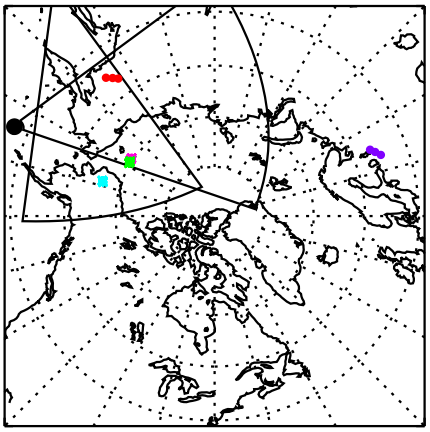


bpk tig unw

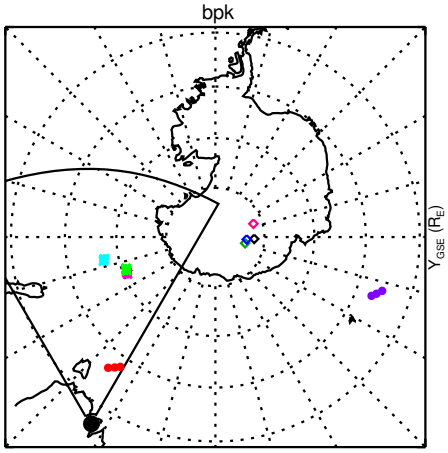


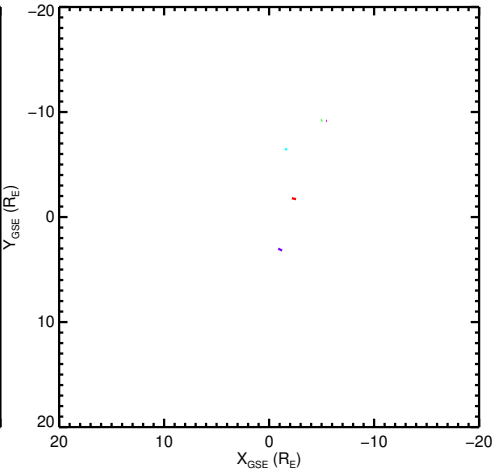


(d) 1625UT to 1635UT
adw hok

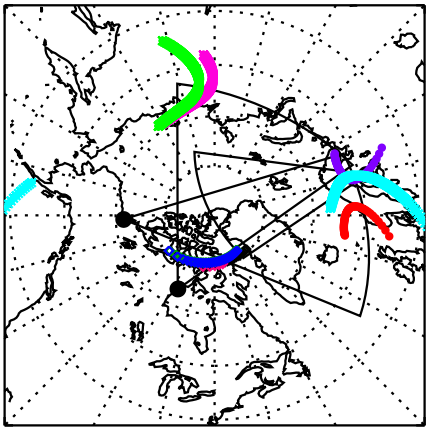


bpk

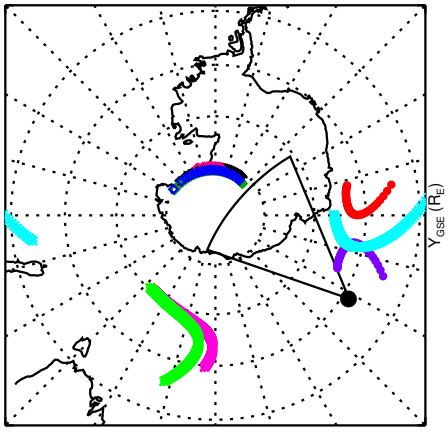


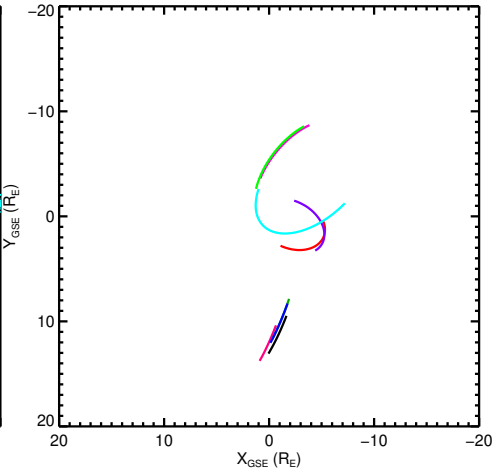


(e) 1840UT to 2320UT
han inv rkn



ker

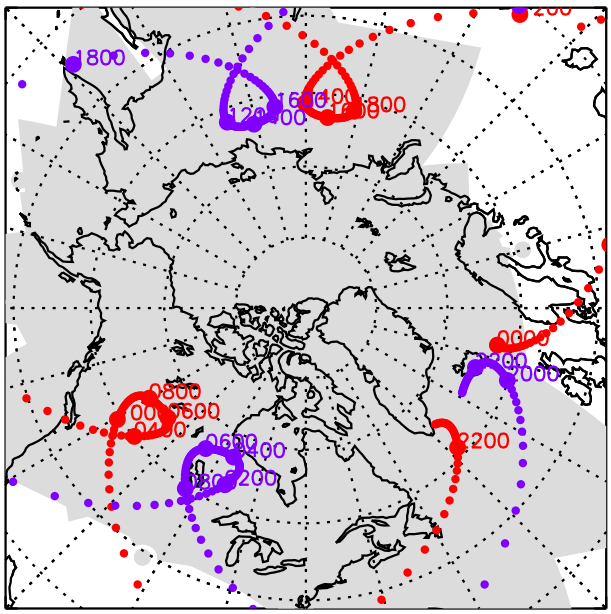


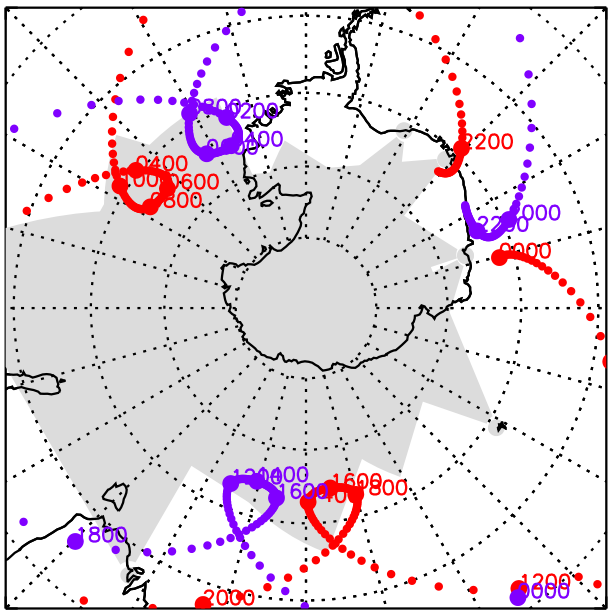


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

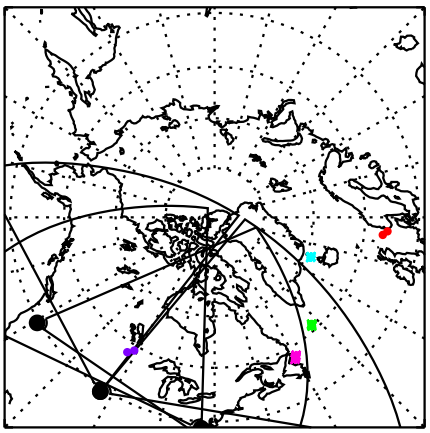
16–Dec–2016

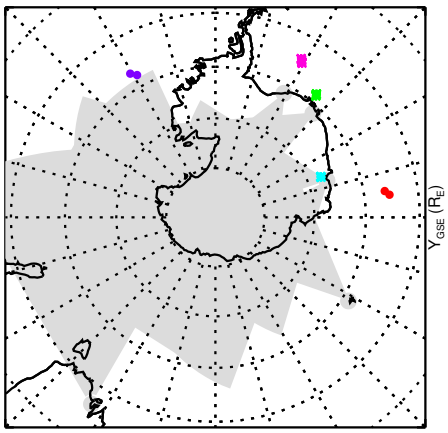
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

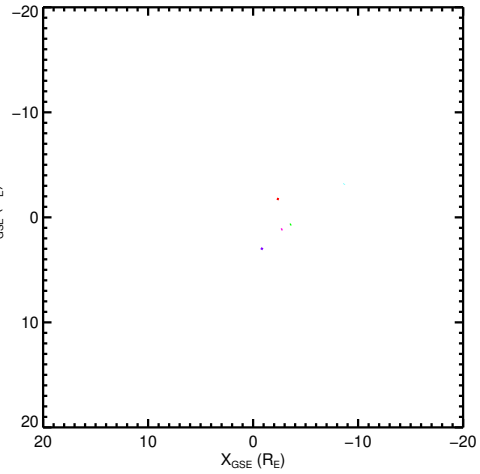




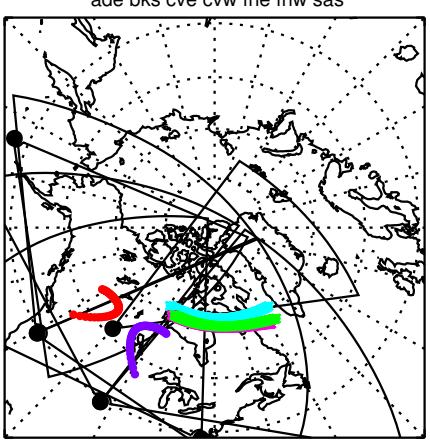
(a) 0125UT to 0130UT
bks cve fhe fhw



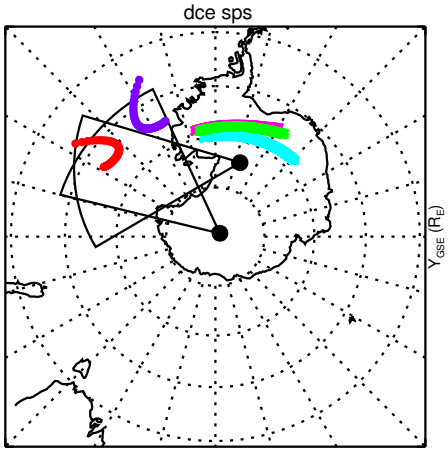


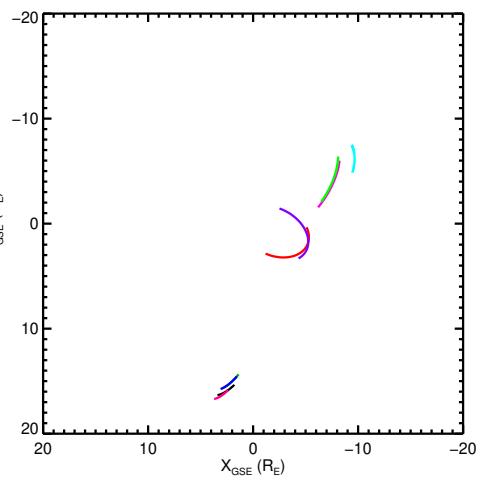


(b) 0340UT to 0820UT
ade bks cve cvw fhe fhw sas

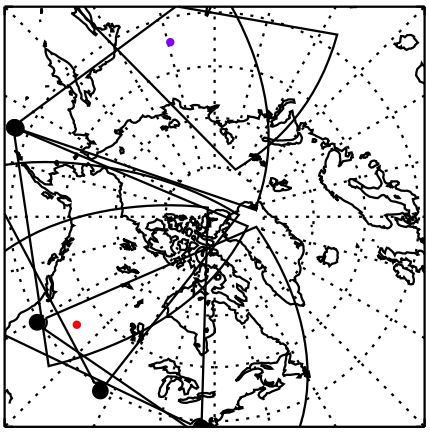


dce sps

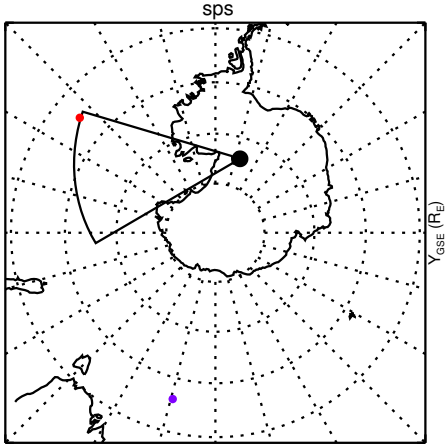


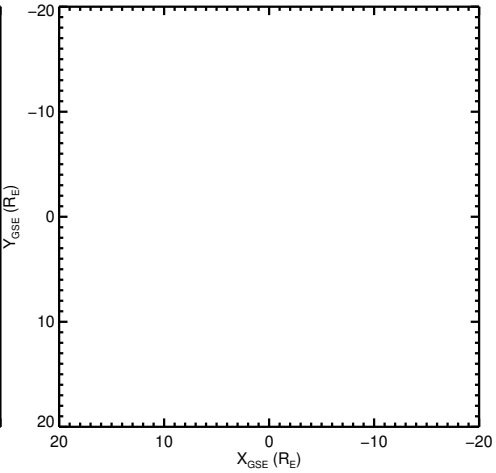


(c) 1030UT to 1030UT
ade adw bks cve fhw hkw

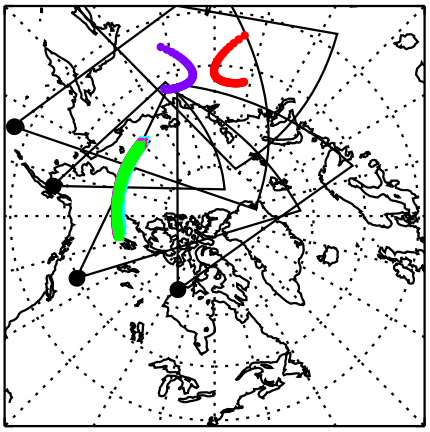


sps

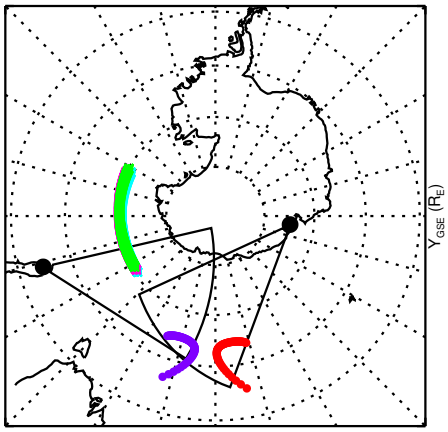


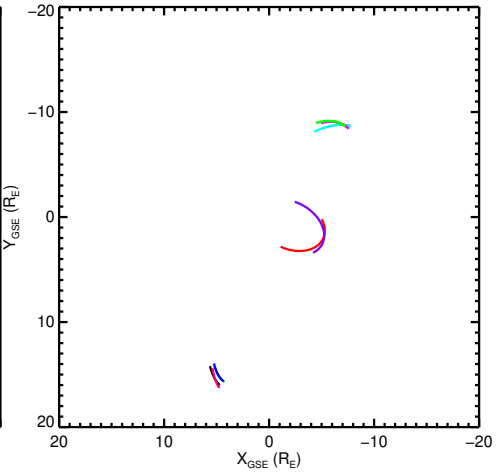


(d) 1235UT to 1725UT
adw hkw ksr pgr rkn

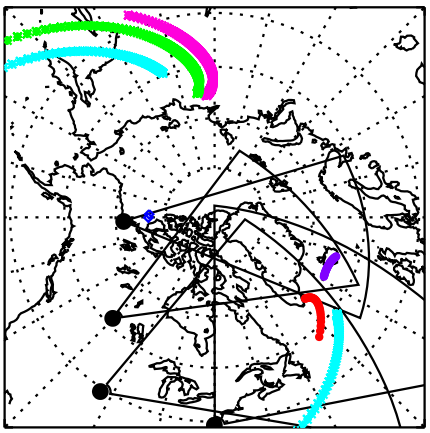


unw zho

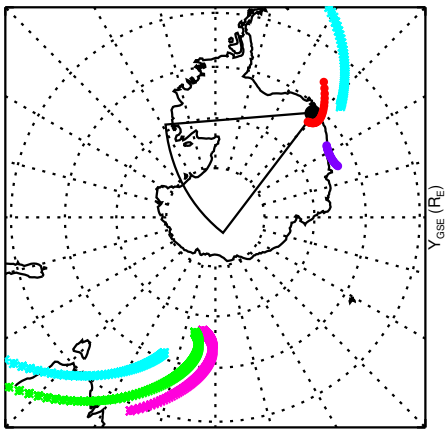


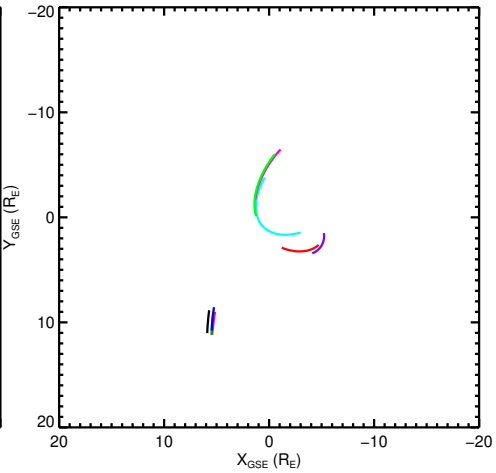


(e) 2135UT to 2355UT
fhe inv sas wal



san

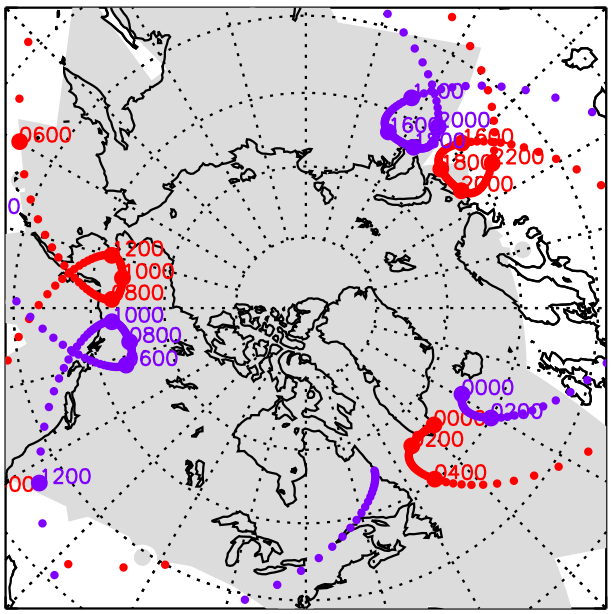


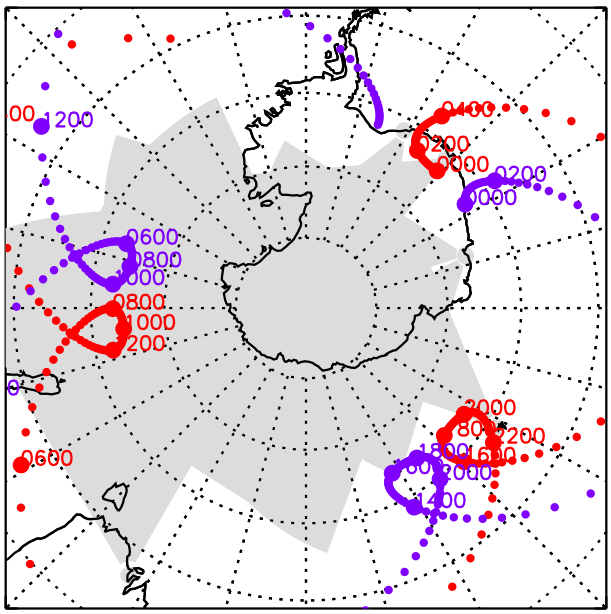


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

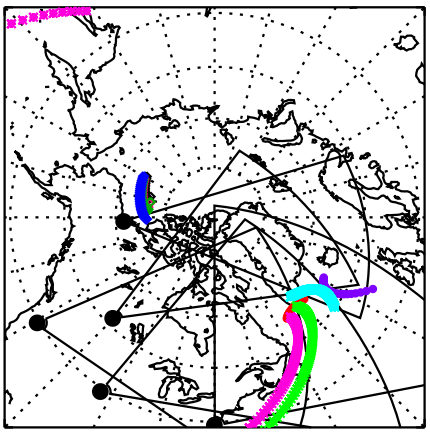
17–Dec–2016

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

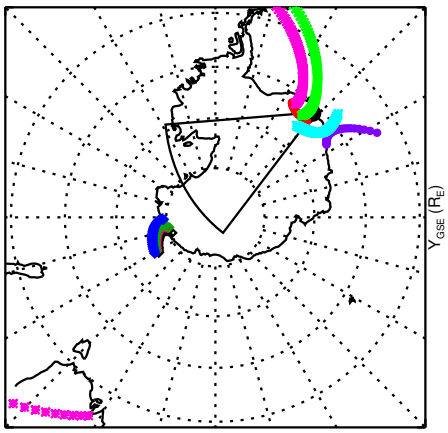


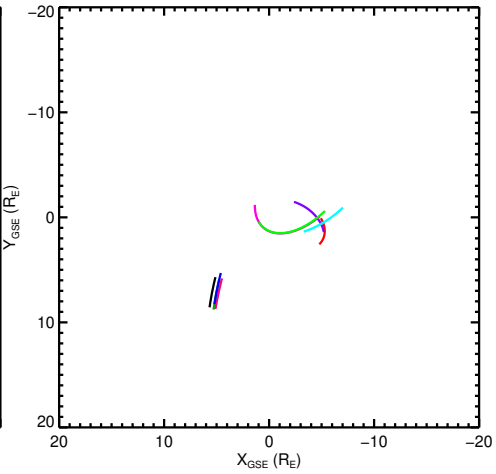


(a) 0000UT to 0230UT
cve fhe inv sas wal

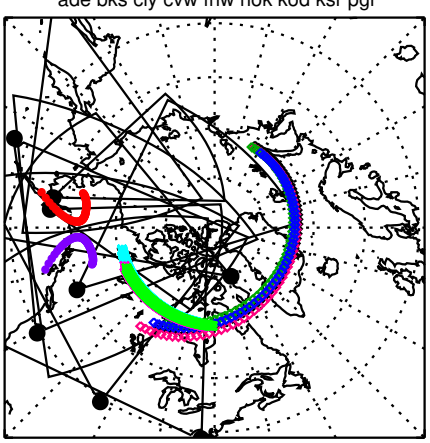


san

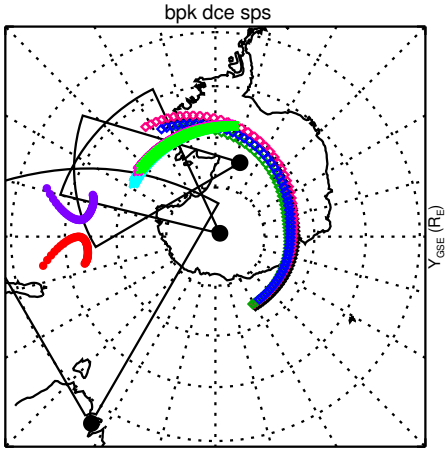


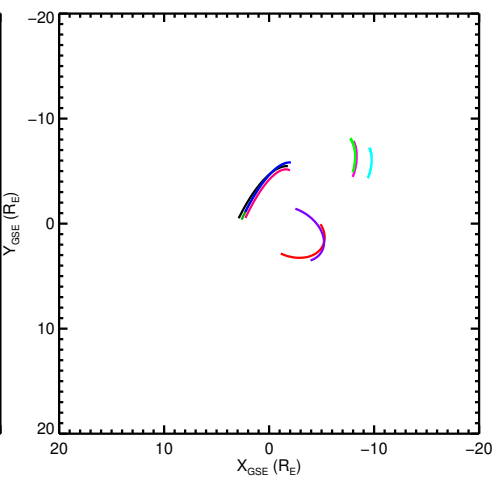


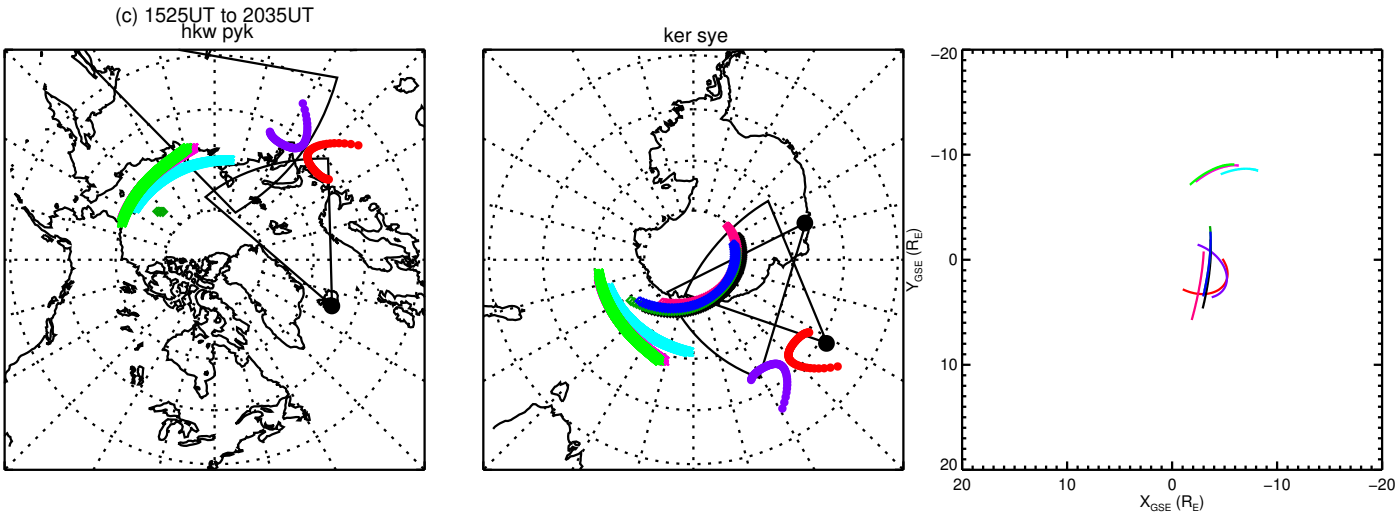
(b) 0630UT to 1130UT
ade bks cly cvw fhw hok kod ksr pgr



bpk dce sps



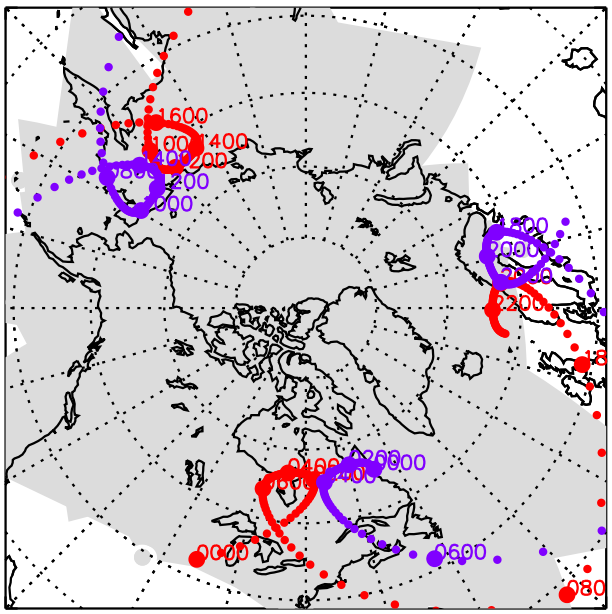


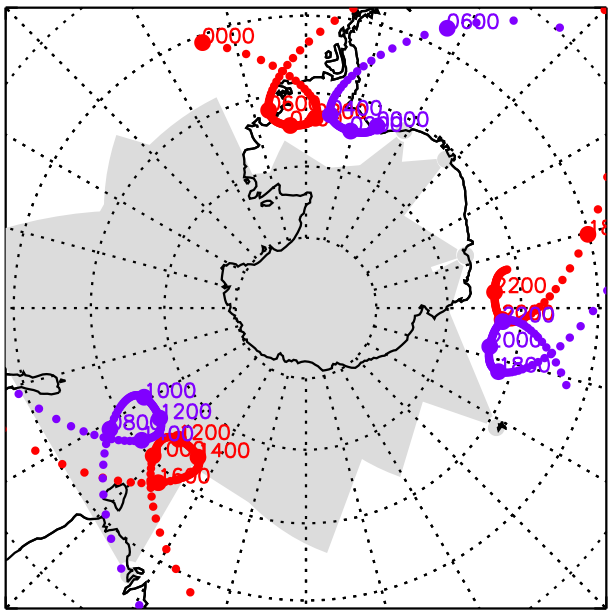

(c) 1525UT to 2035UT
hkw pyk
ker sye
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

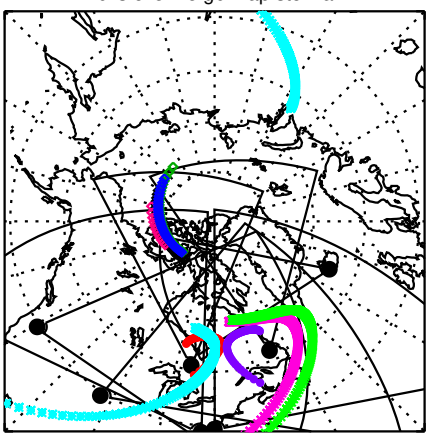
18–Dec–2016

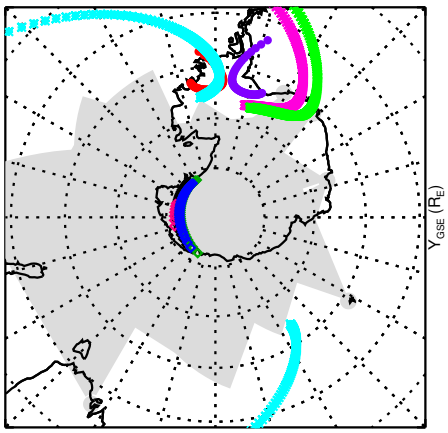
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

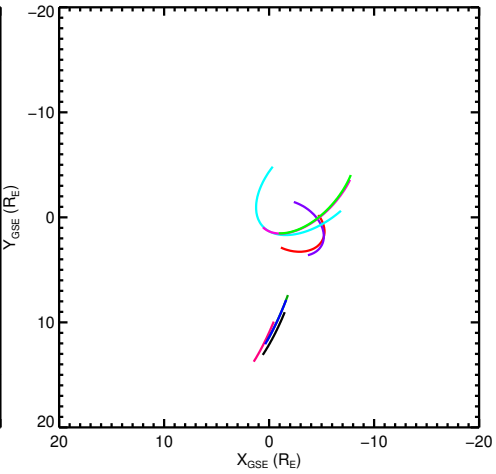




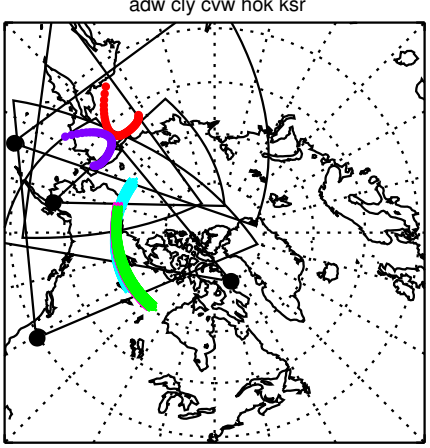
(a) 0025UT to 0540UT
bks cve fhe gbr kap sto wal



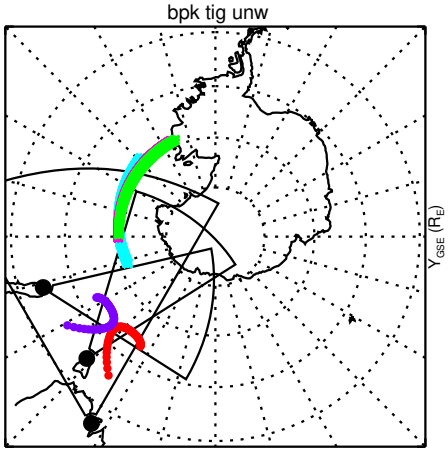


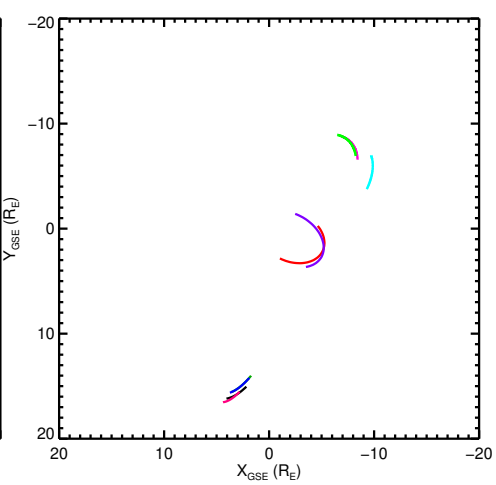


(b) 0920UT to 1440UT
adw cly cvw hok ksr

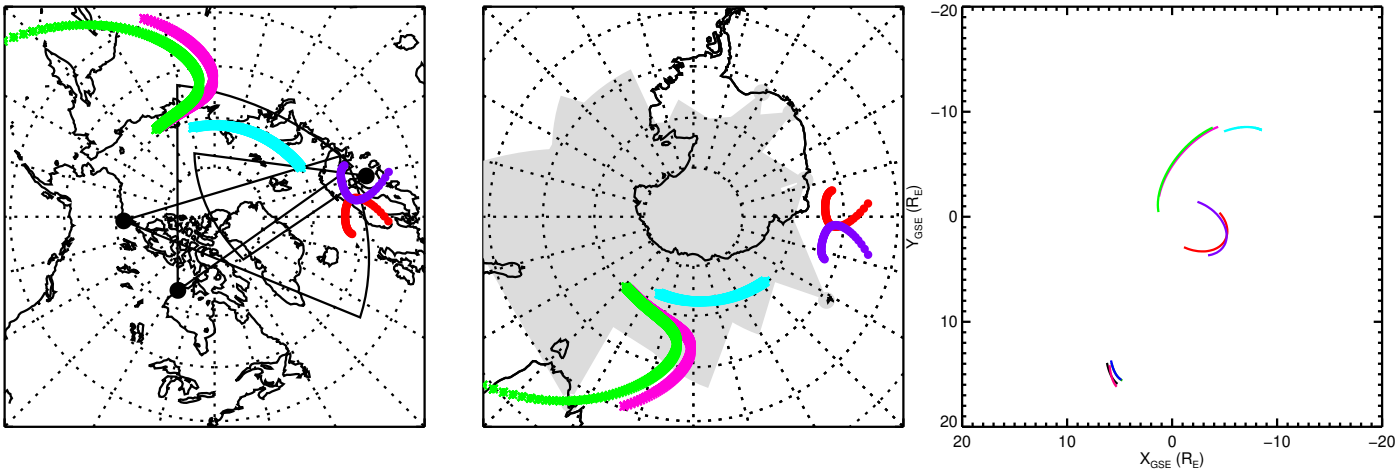


bpk tig unw





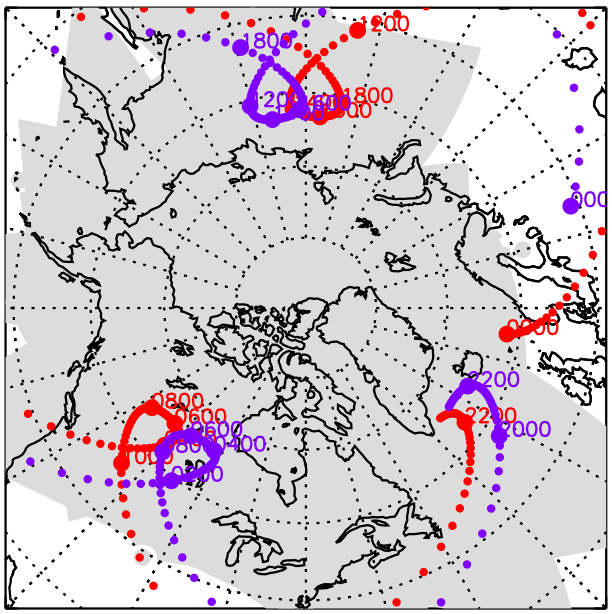
(c) 1820UT to 2345UT
han inv rkn

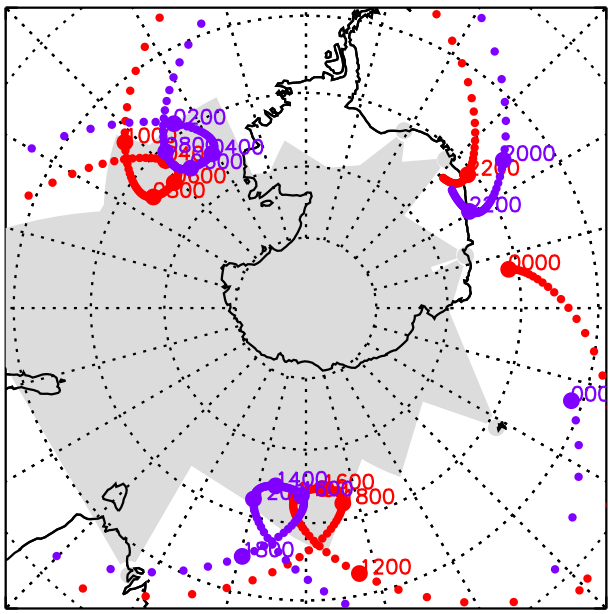


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

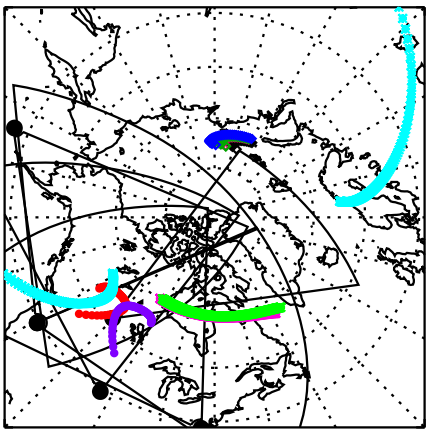
19–Dec–2016

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

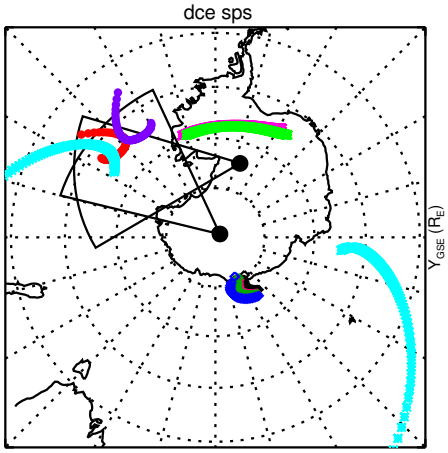


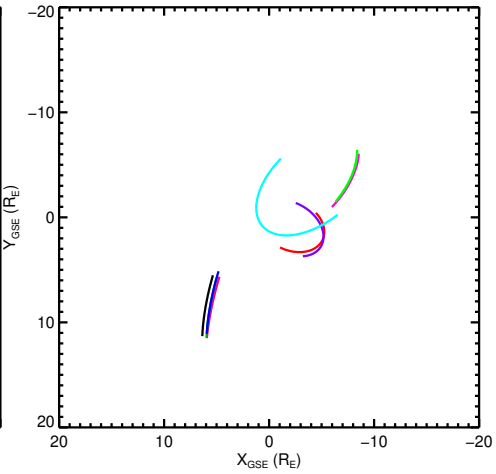


(a) 0315UT to 0845UT
ade bks cve cvw fhw sas

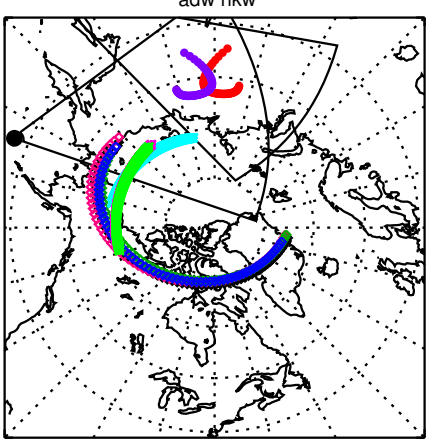


dce sps

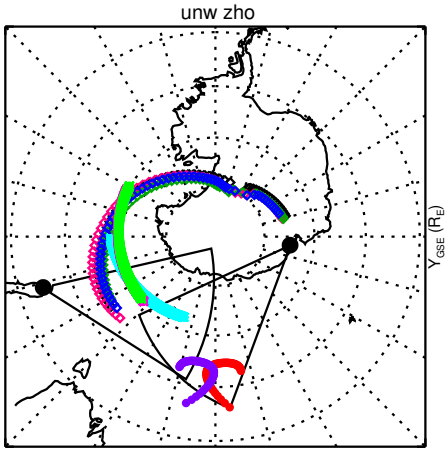


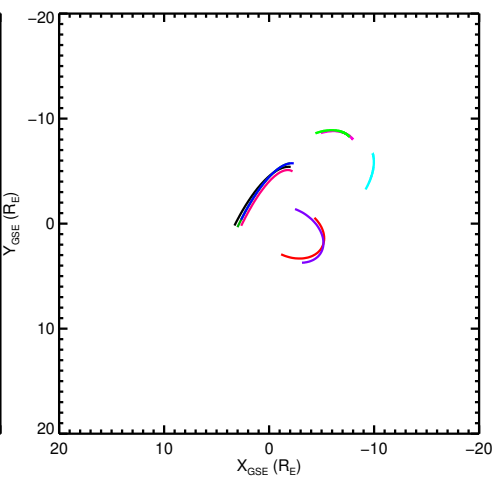


(b) 1215UT to 1750UT
adw hkw

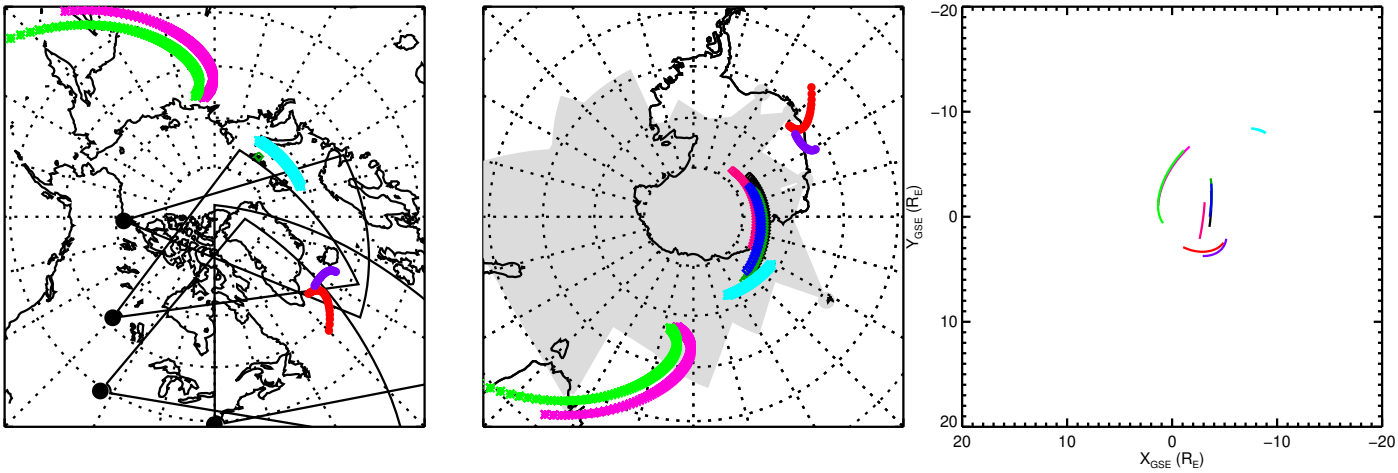


unw zho





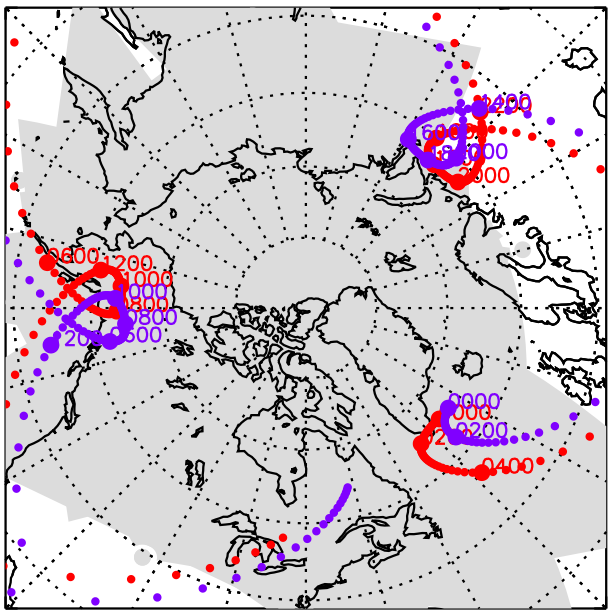
(c) 2110UT to 2355UT
fhe inv sas wal

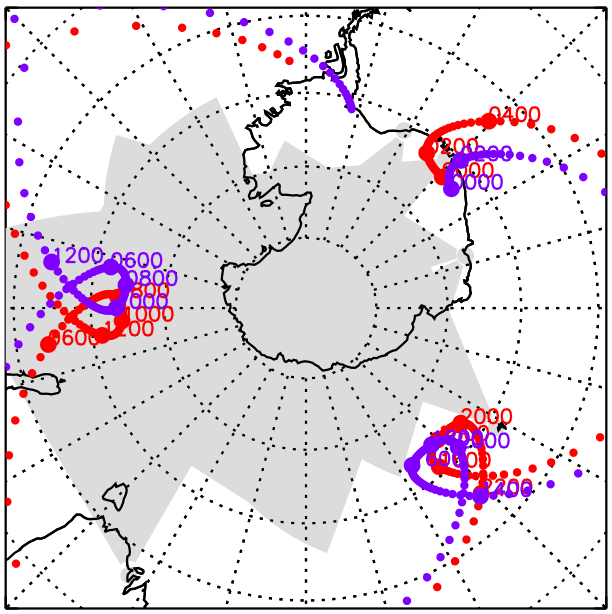


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

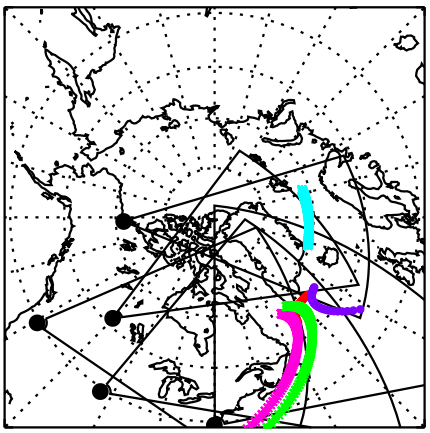
20–Dec–2016

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

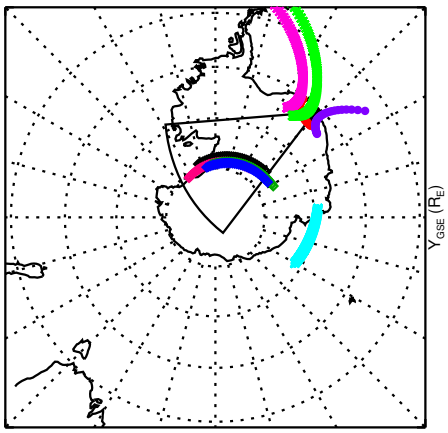


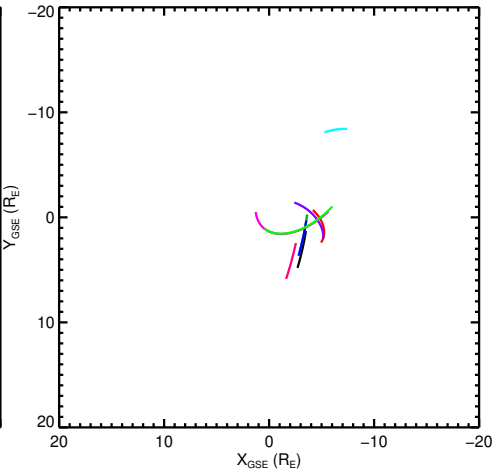


(a) 0000UT to 0255UT
cve fhe inv sas wal

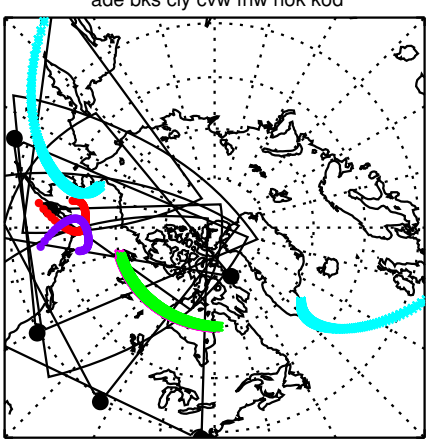


san

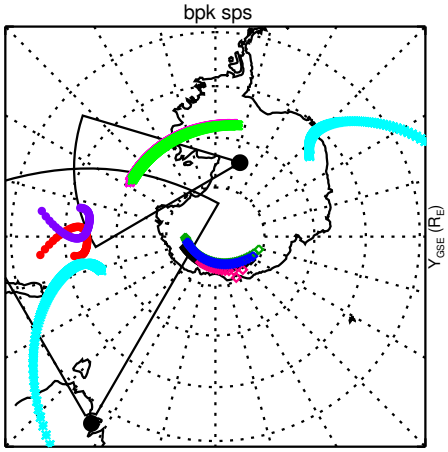


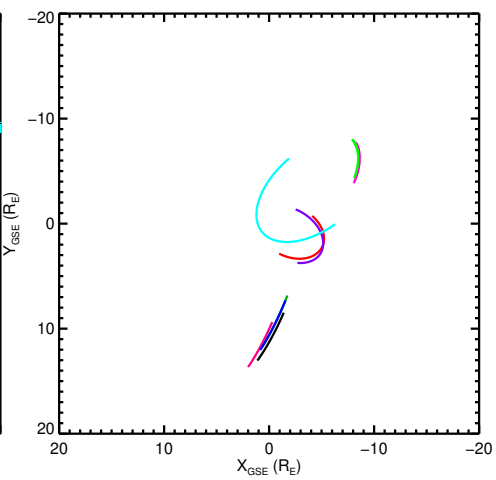


(b) 0605UT to 1155UT
ade bks cly cvw fhw hok kod

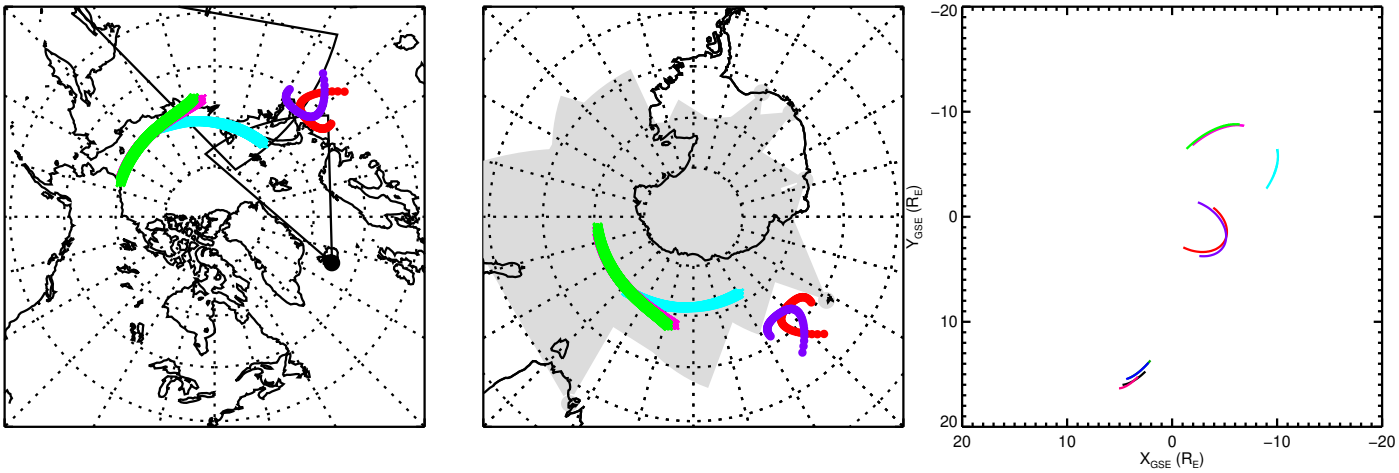


bpk sps





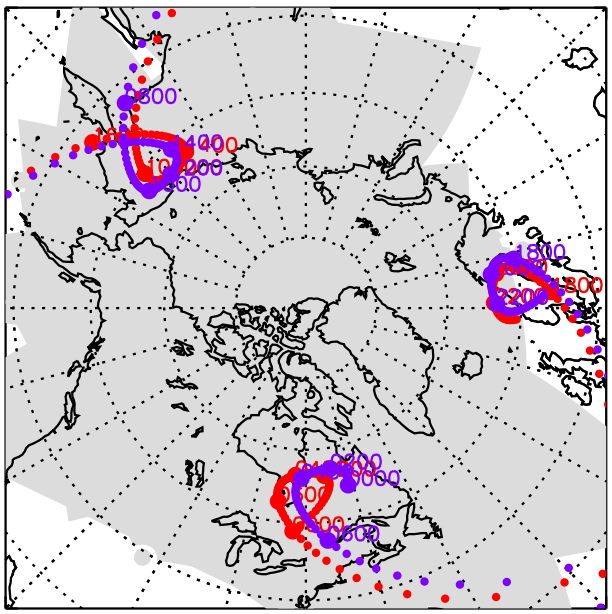
(c) 1505UT to 2100UT
hkw pyk

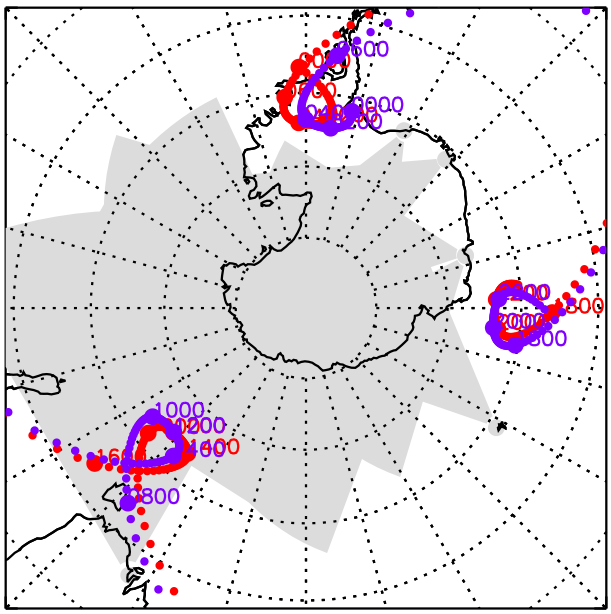


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

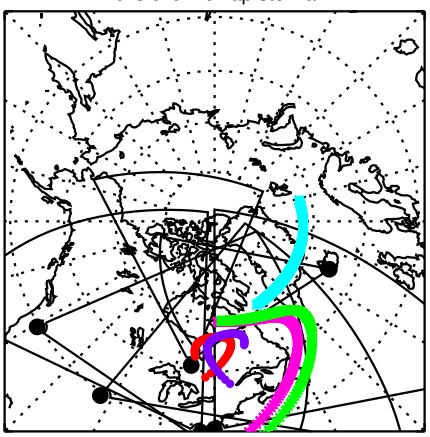
21−Dec−2016

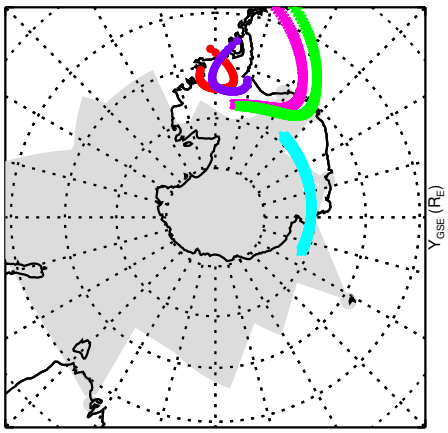
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

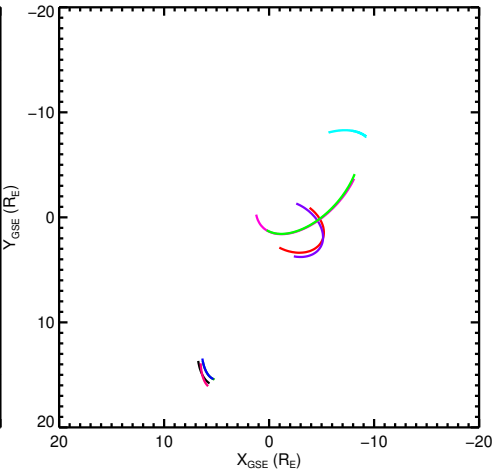




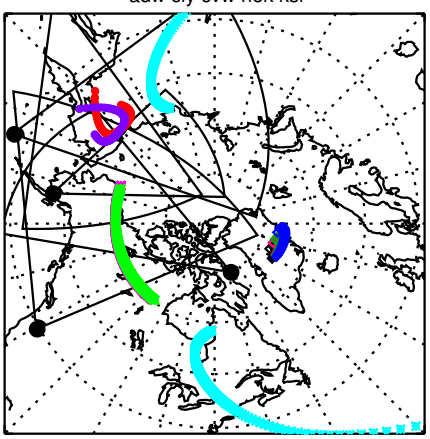
(a) 0000UT to 0600UT
bks cve fhe kap sto wal



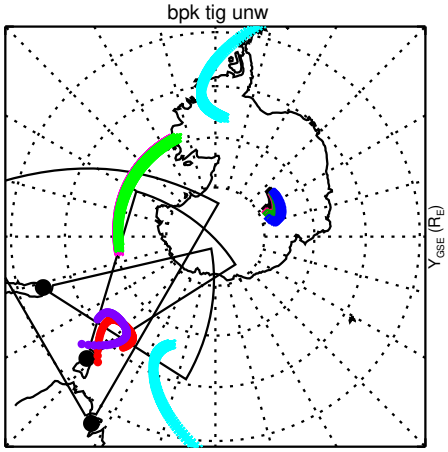


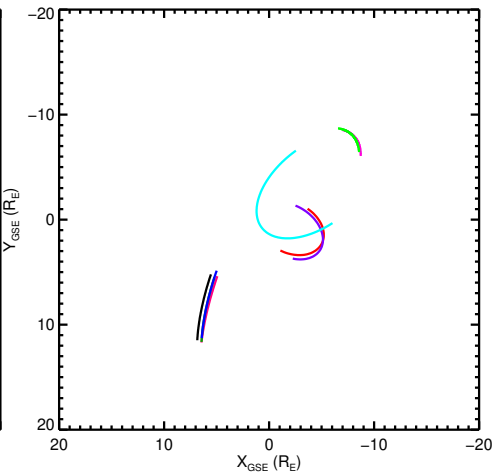


(b) 0900UT to 1505UT
adw cly cvw hok ksr

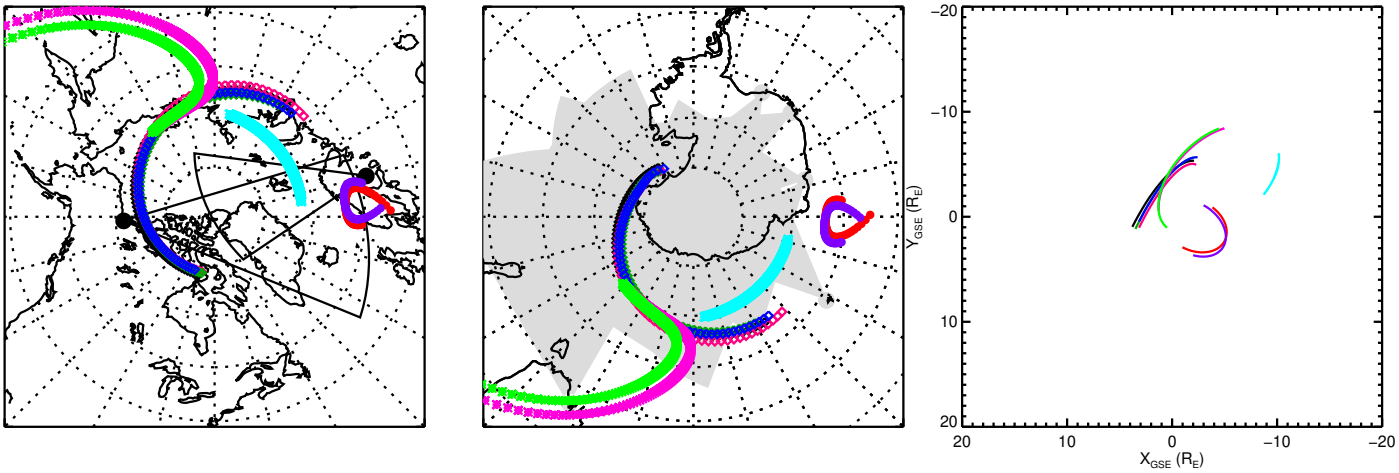


bpk tig unw





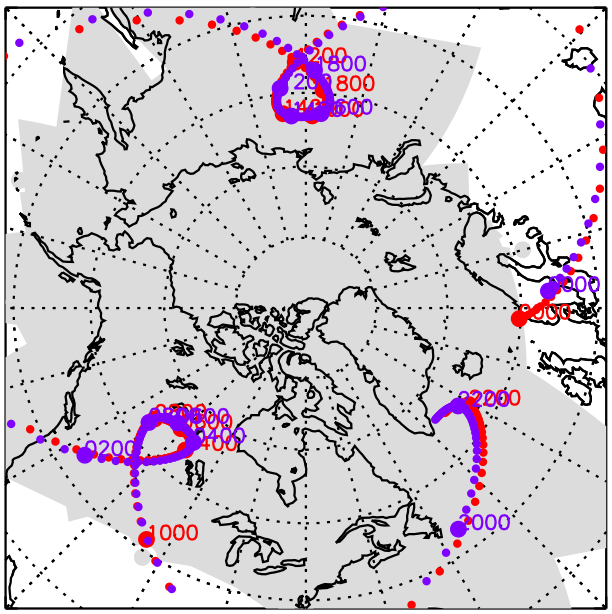
(c) 1755UT to 2355UT
han inv

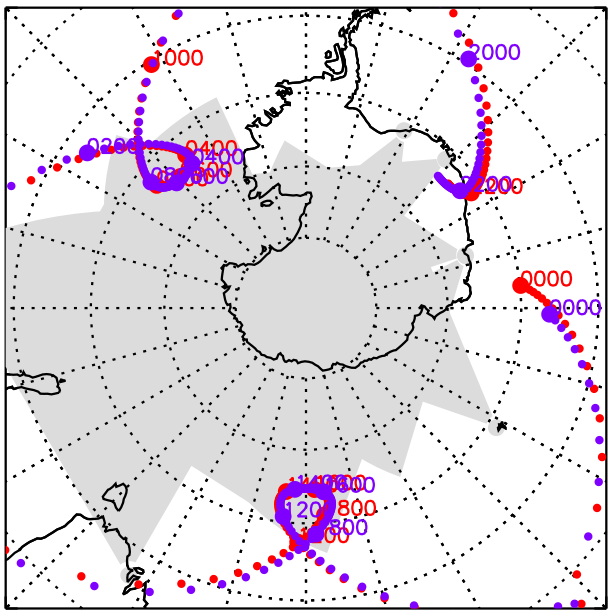


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

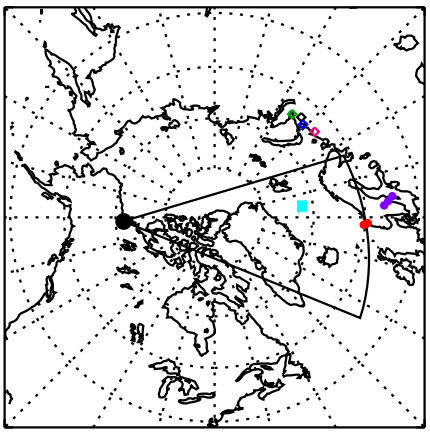
22−Dec−2016

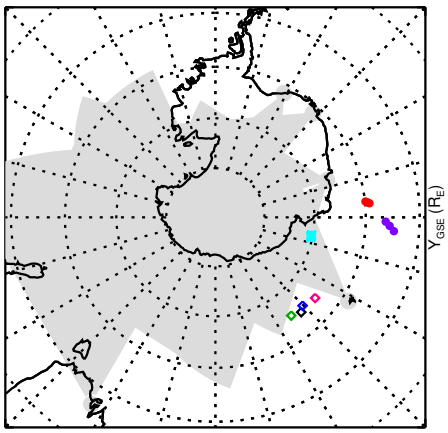
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

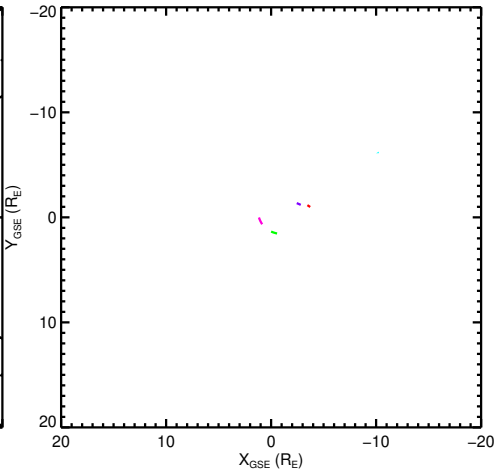




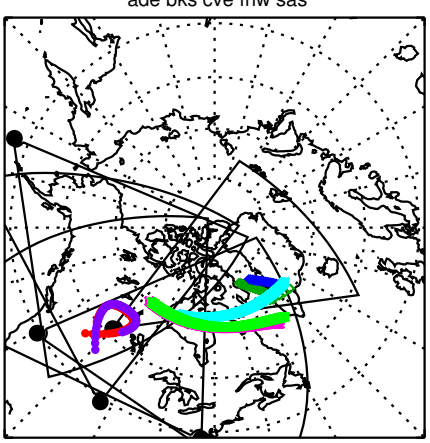
(a) 0000UT to 0010UT
inv



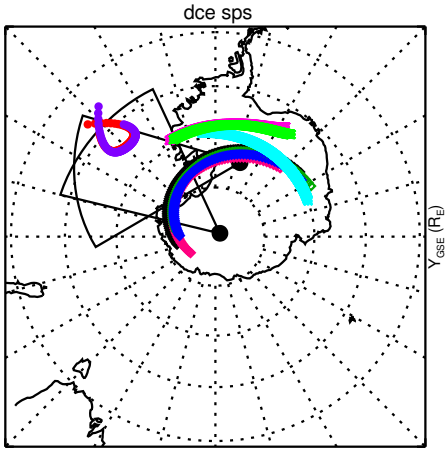


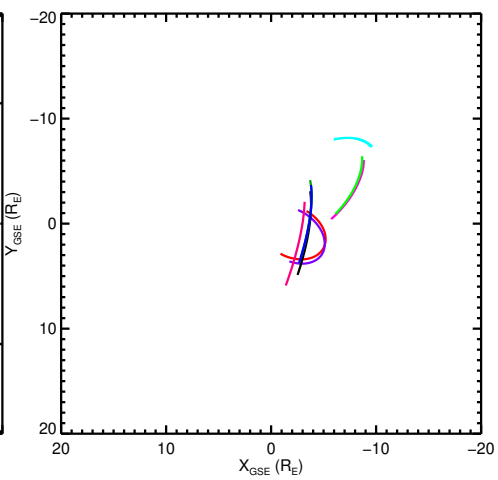


(b) 0250UT to 0910UT
ade bks cve fhw sas

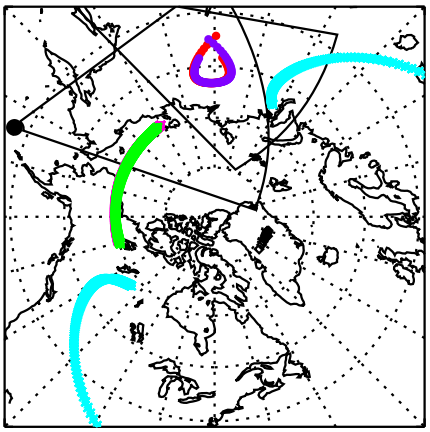


dce sps

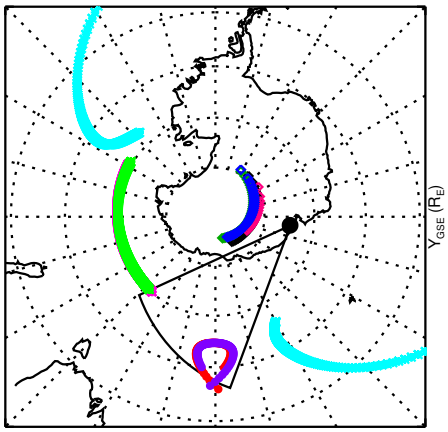


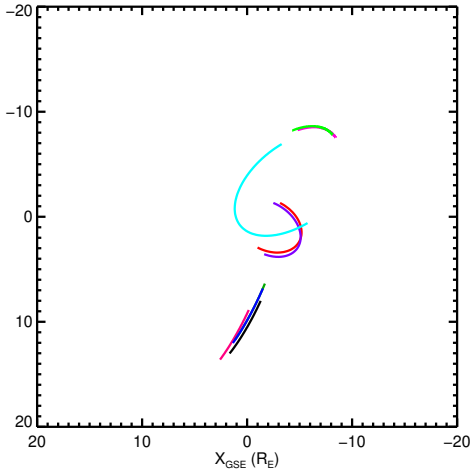


(c) 1150UT to 1815UT
adw hkw

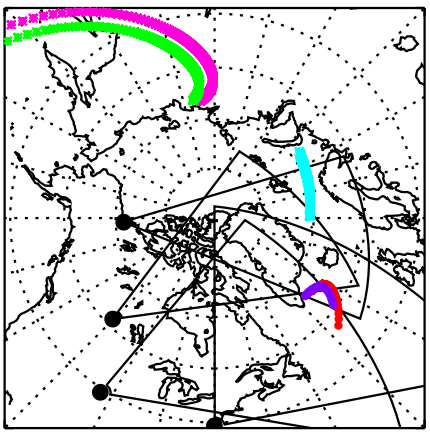


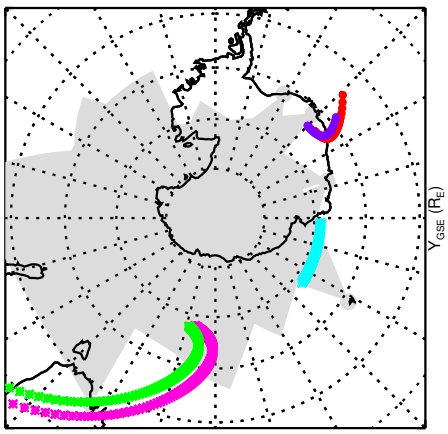
zho

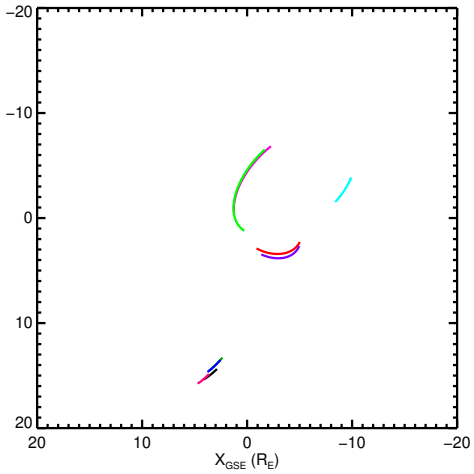




(d) 2045UT to 2355UT
fhe inv sas wal



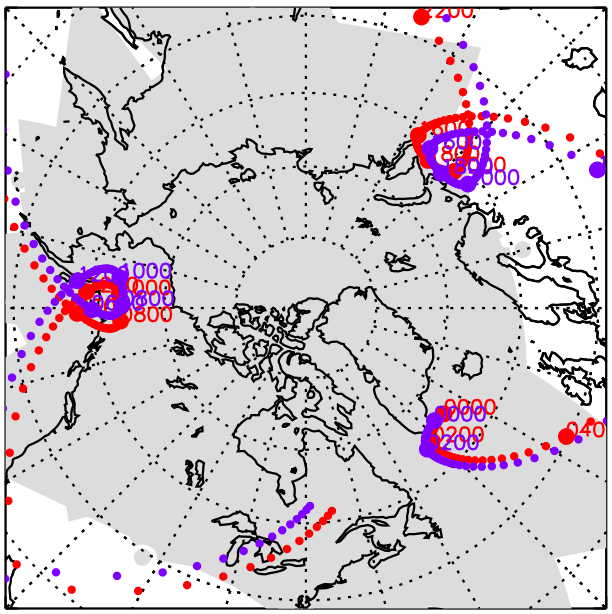


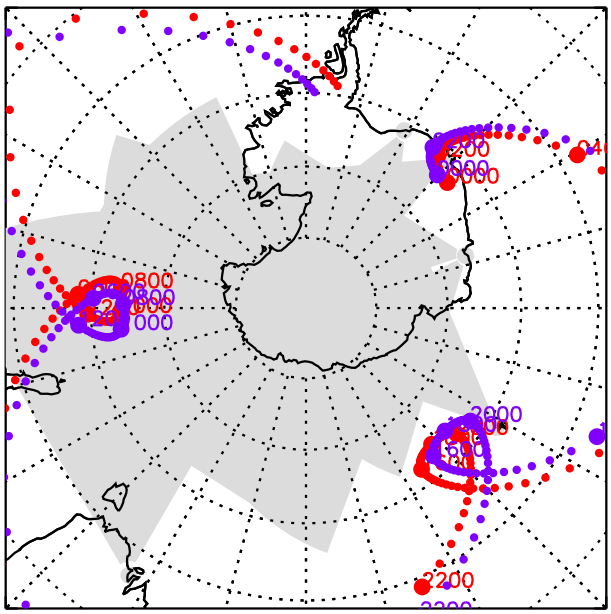


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

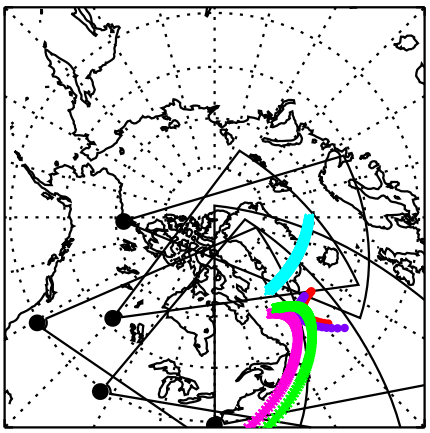
23–Dec–2016

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

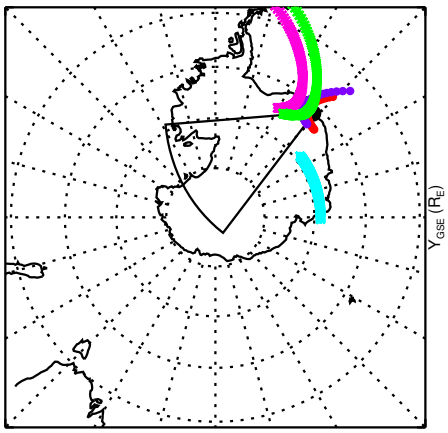


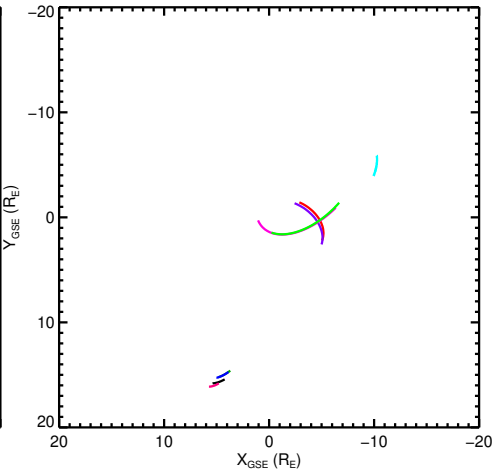


(a) 0000UT to 0320UT
cve fhe inv sas wal

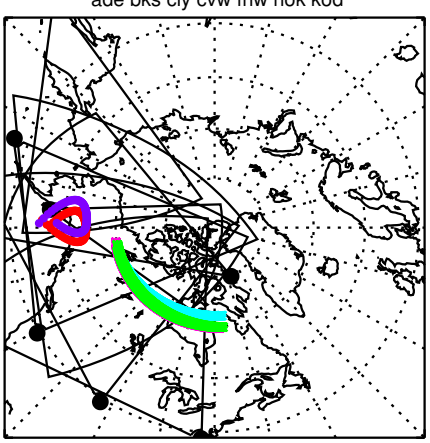


san

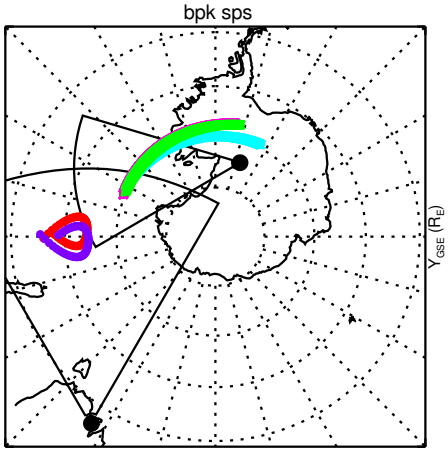


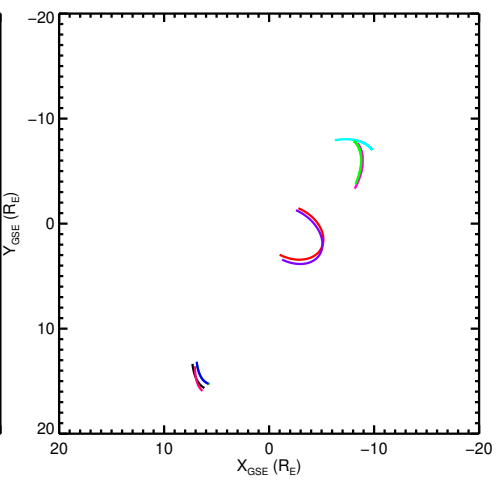


(b) 0545UT to 1220UT
ade bks cly cvw fhw hok kod

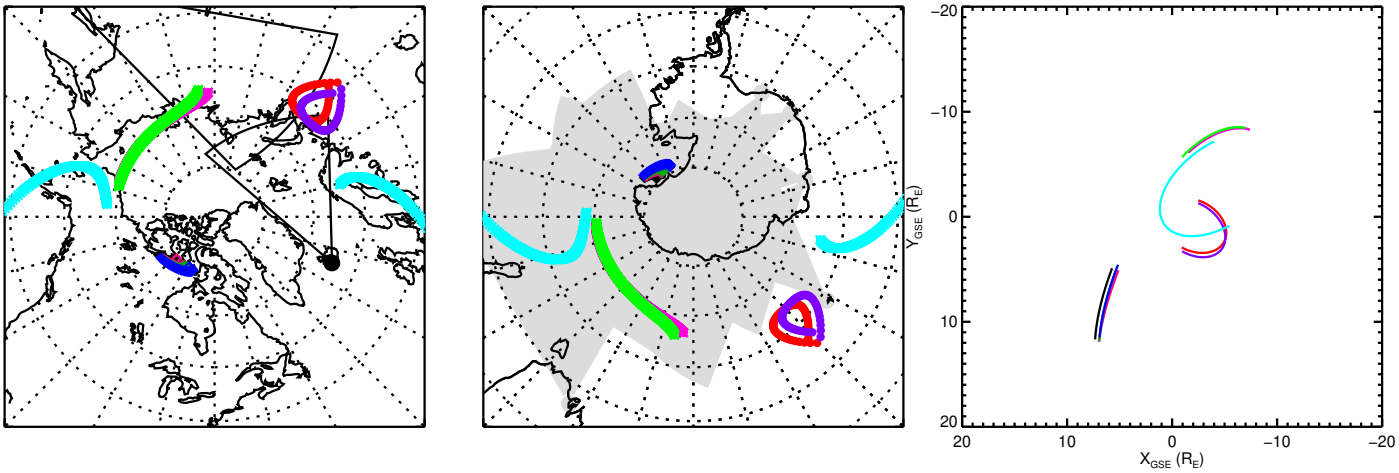


bpk sps

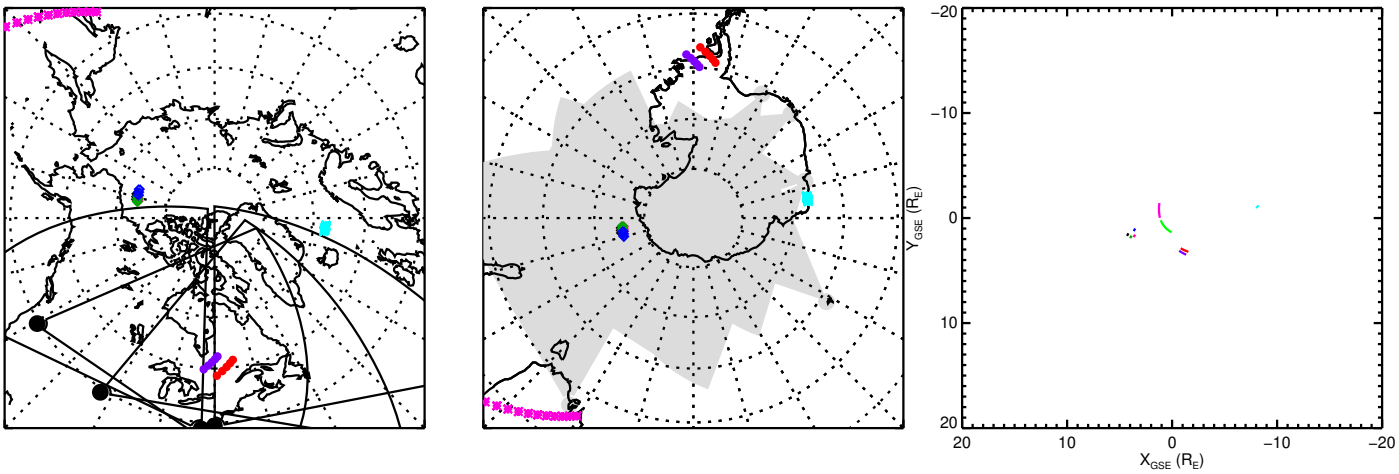




(c) 1440UT to 2125UT
hkw pyk



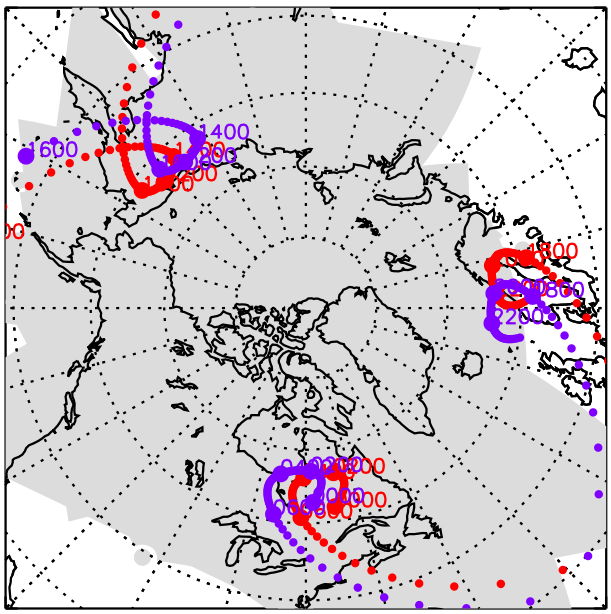
(d) 2335UT to 2355UT
bks cve fhe wal

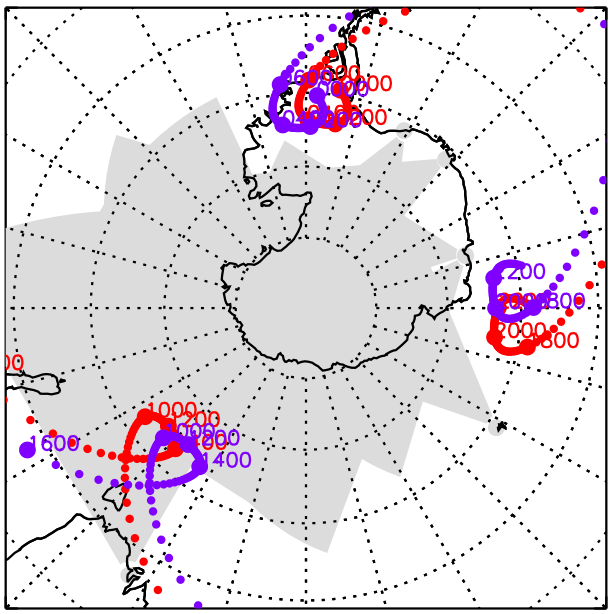


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

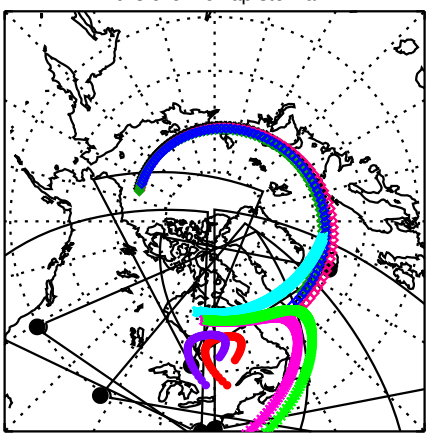
24–Dec–2016

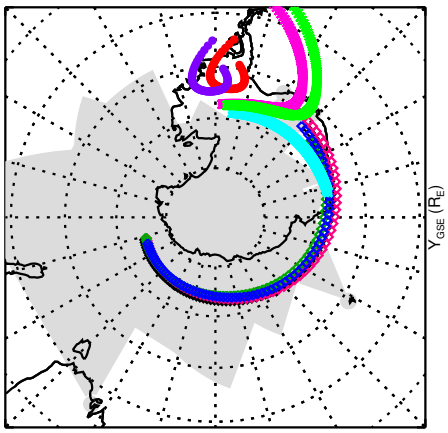
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

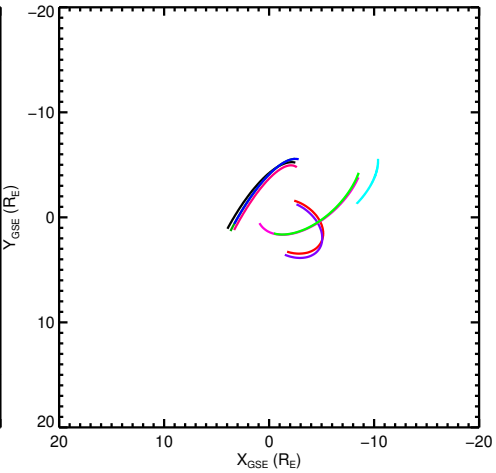




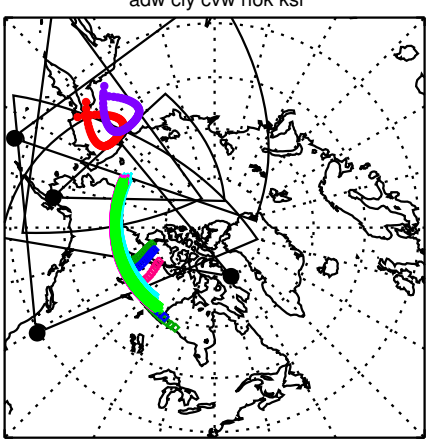
(a) 0000UT to 0625UT
bks cve fhe kap sto wal



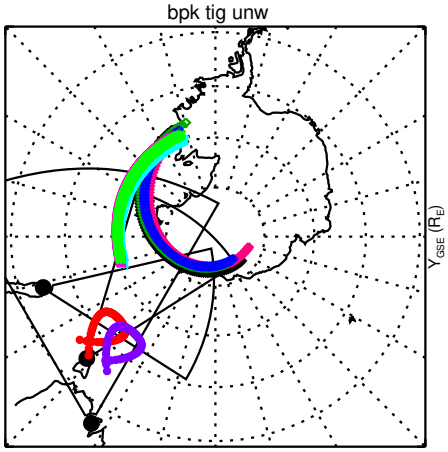


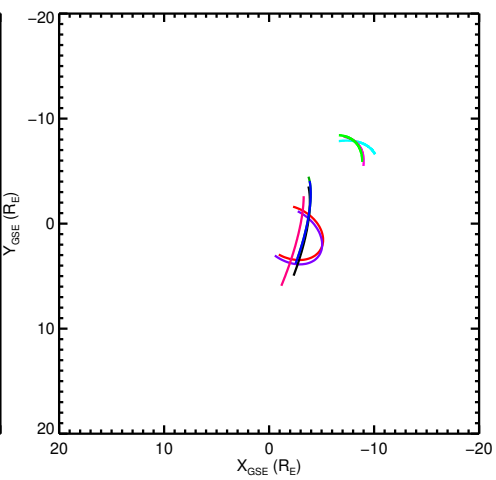


(b) 0835UT to 1525UT
adw cly cvw hok ksr

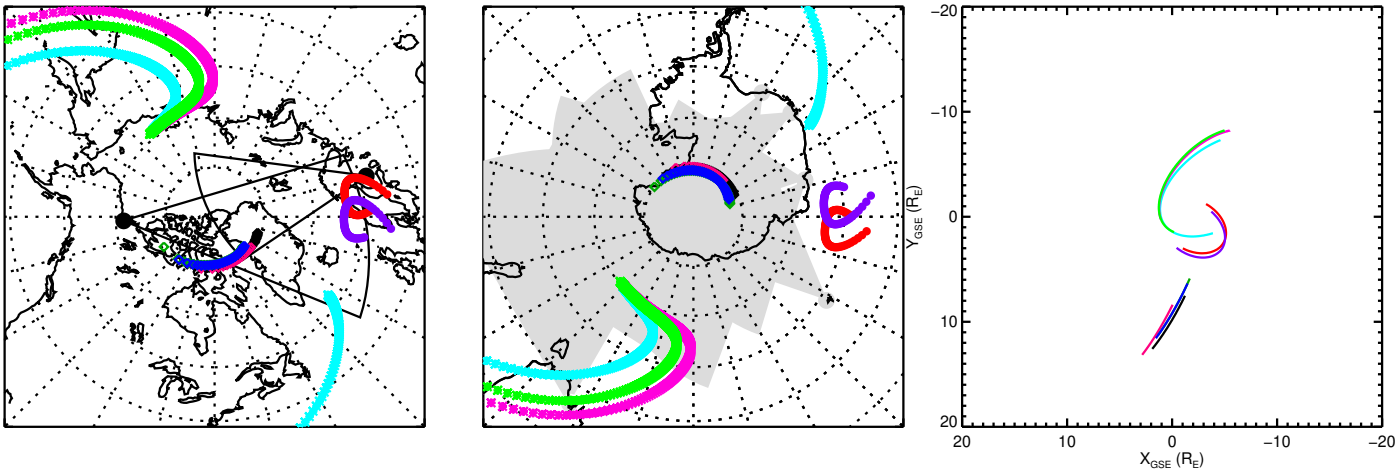


bpk tig unw





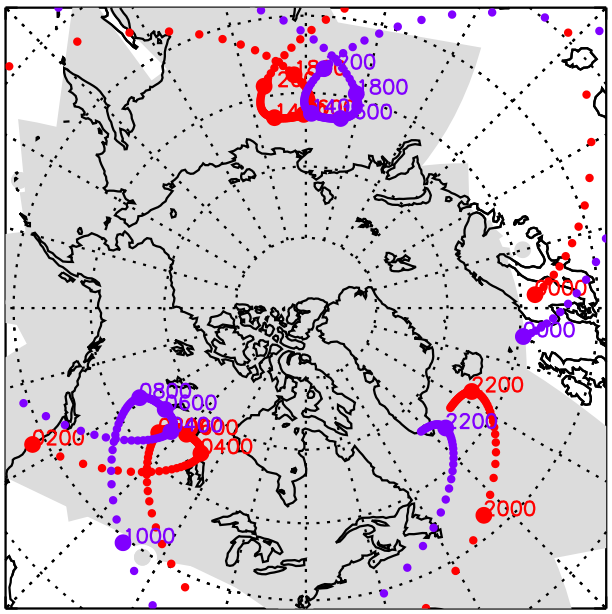
(c) 1735UT to 2355UT
han inv

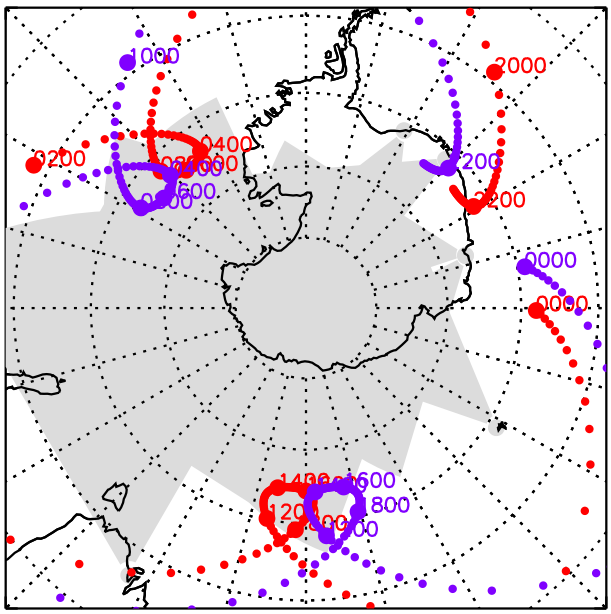


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

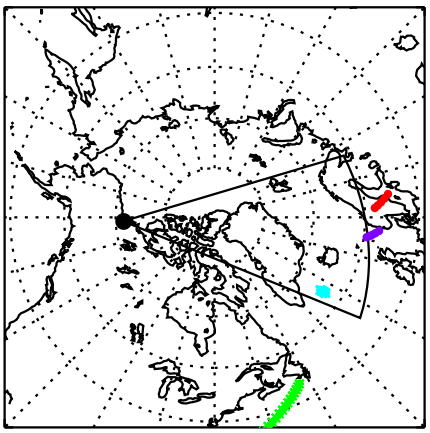
25–Dec–2016

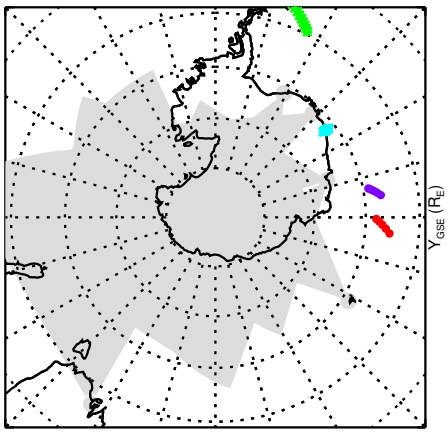
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

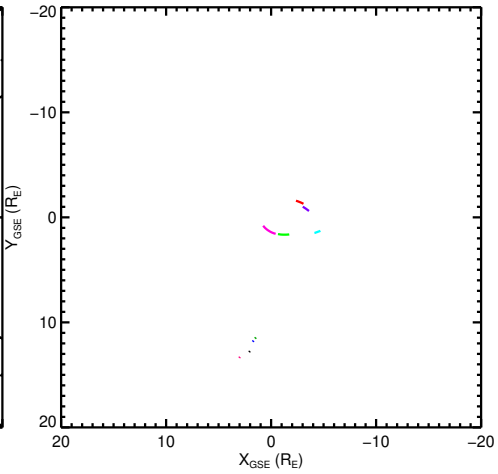




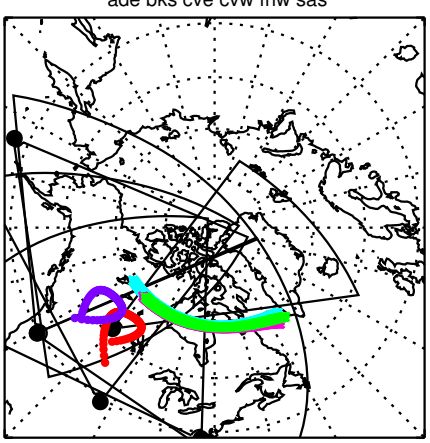
(a) 0000UT to 0020UT
inv



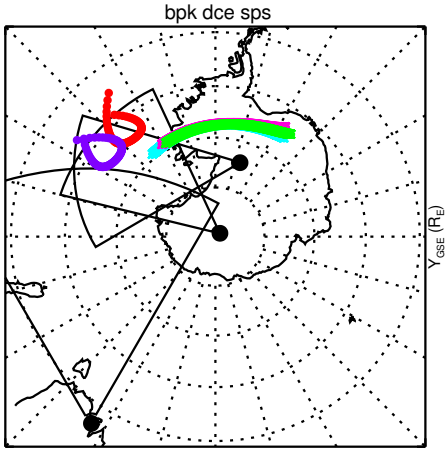


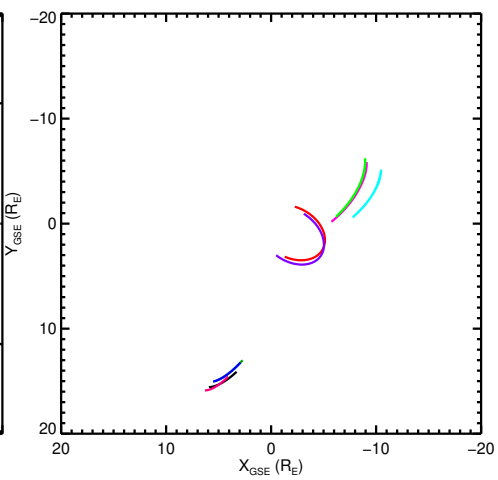


(b) 0240UT to 0920UT
ade bks cve cvw fhw sas

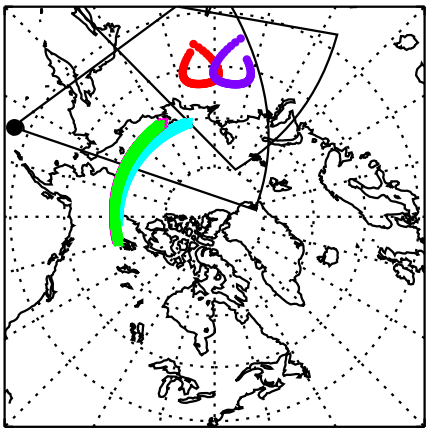


bpk dce sps

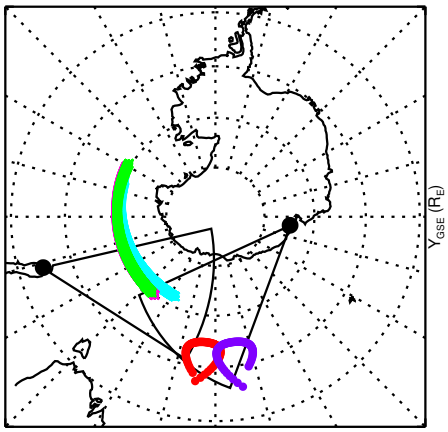


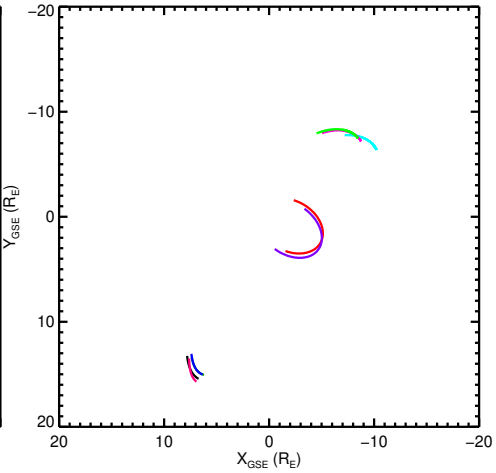


(c) 1145UT to 1815UT
adw hkw

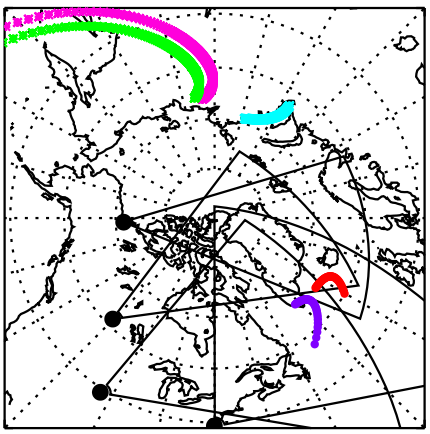


unw zho

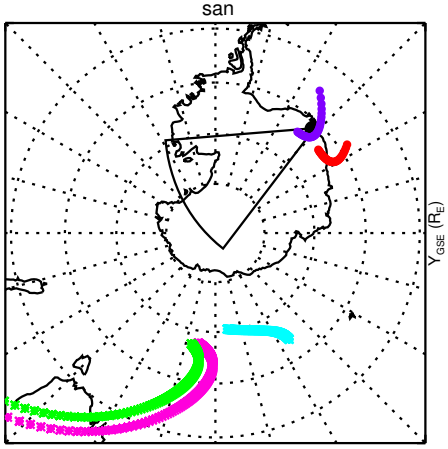


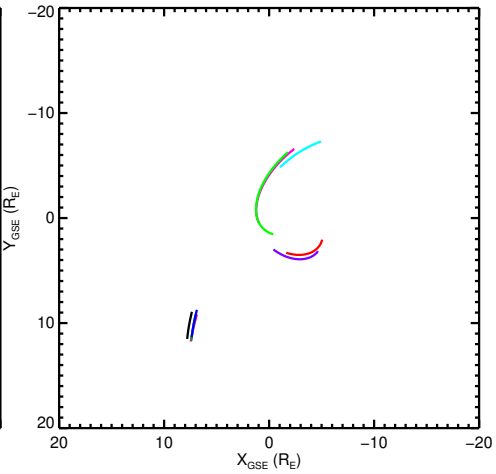


(d) 2045UT to 2355UT
fhe inv sas wal



san

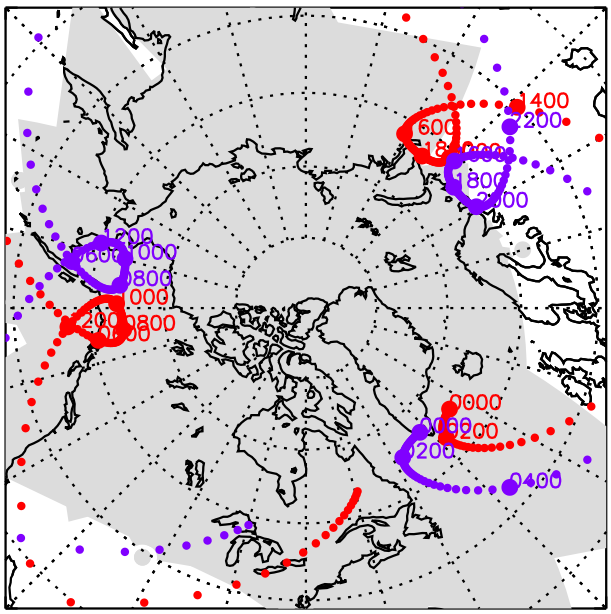


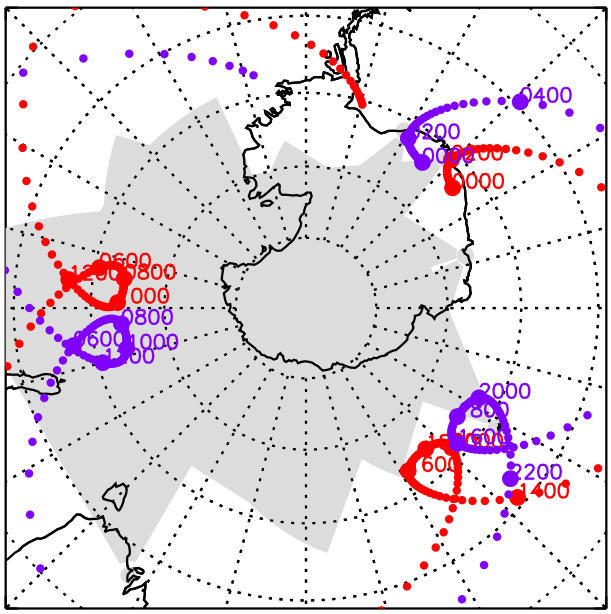


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

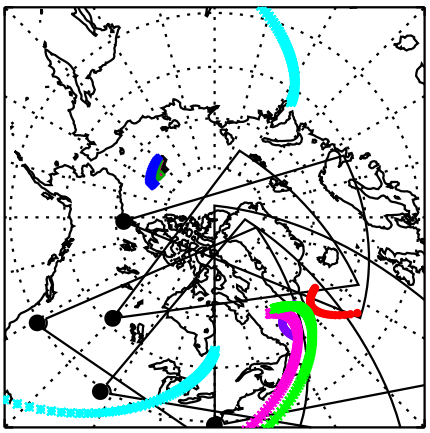
26–Dec–2016

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

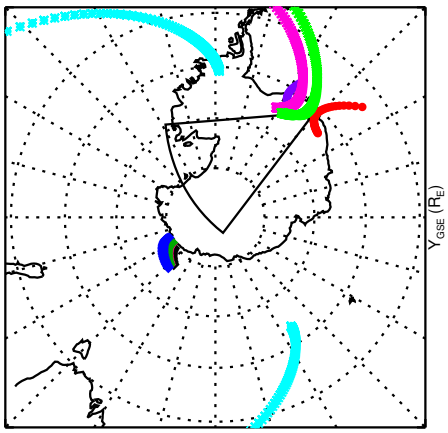


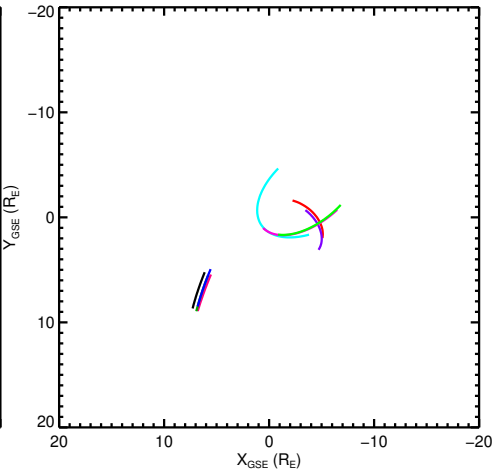


(a) 0000UT to 0315UT
cve fhe inv sas wal

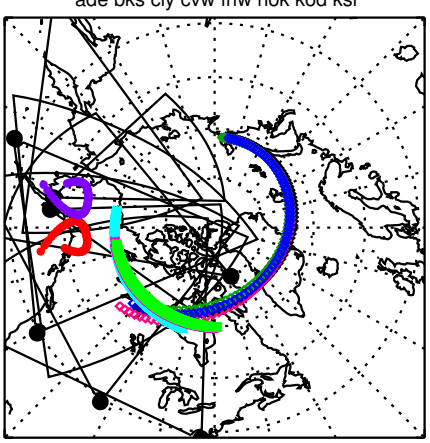


san

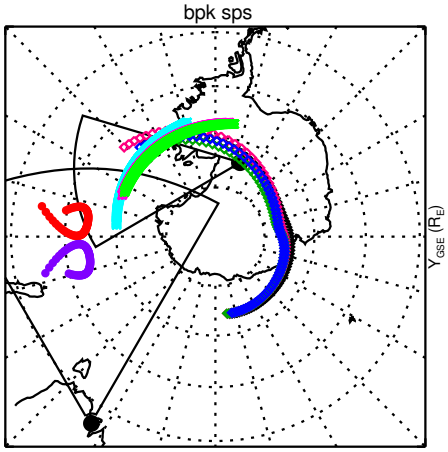


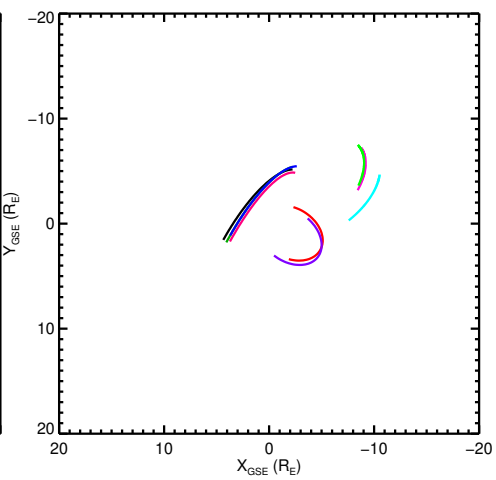


(b) 0550UT to 1210UT
ade bks cly cvw fhw hok kod ksr

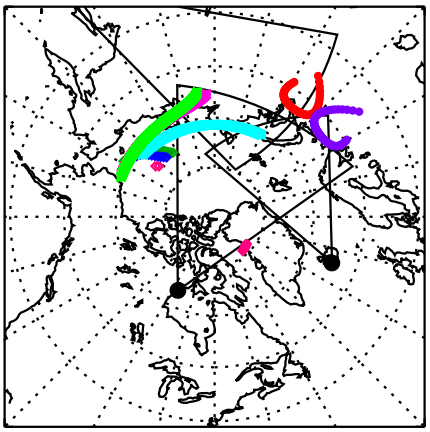


bpk sps

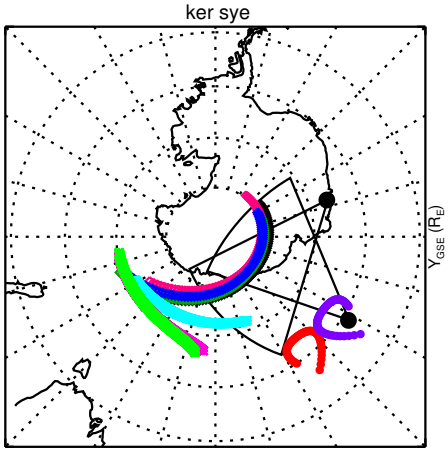


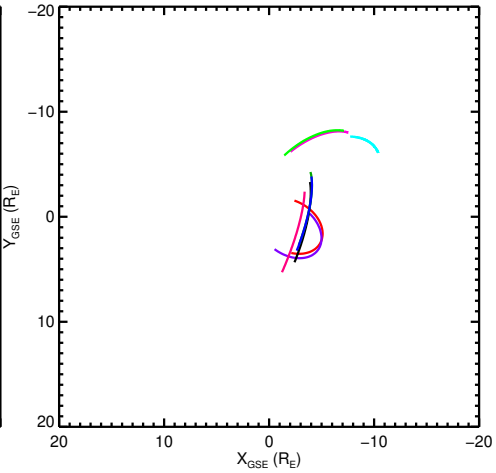


(c) 1455UT to 2105UT
hkw pyk rkn

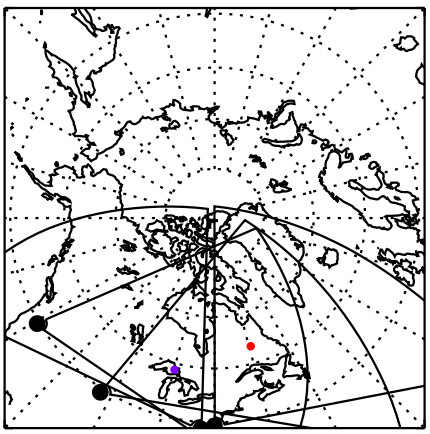


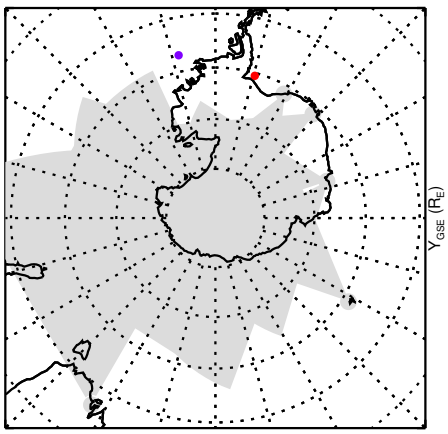
ker sye

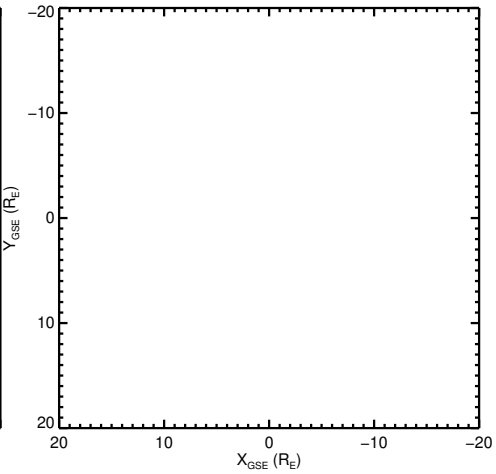




(d) 2355UT to 2355UT
bks cve fhe wal



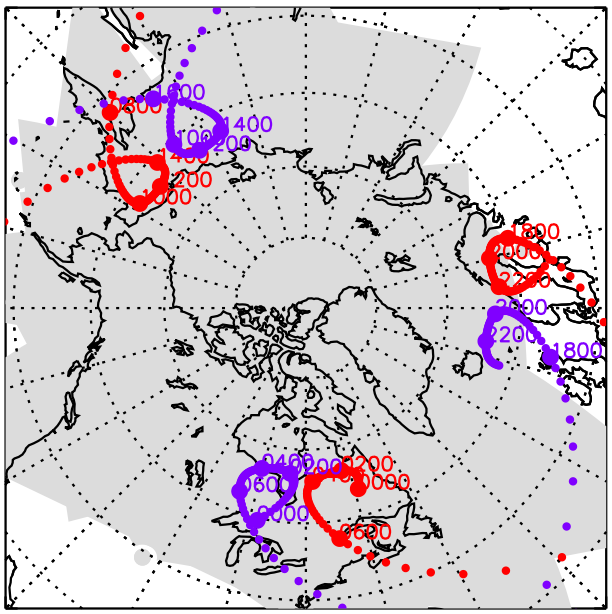


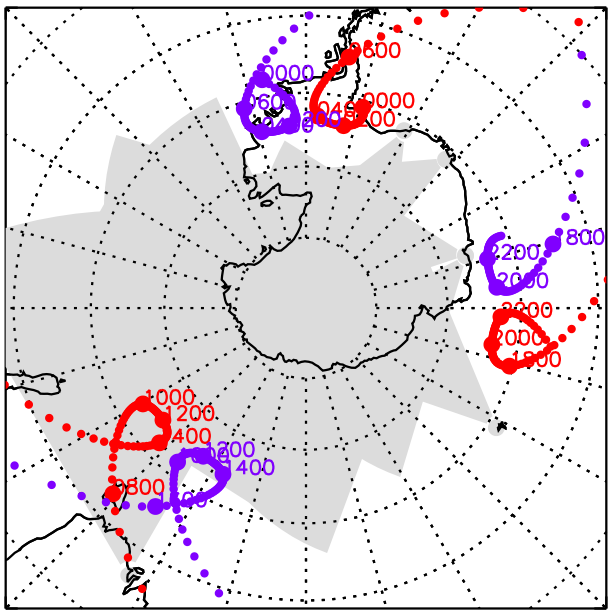


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

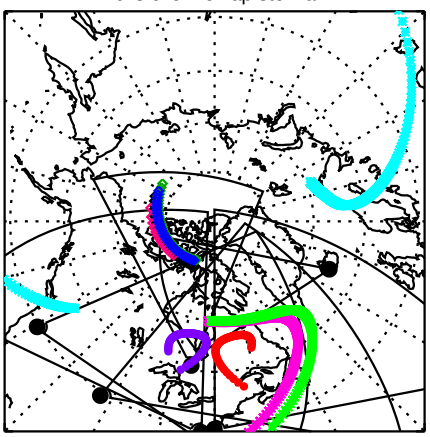
27−Dec−2016

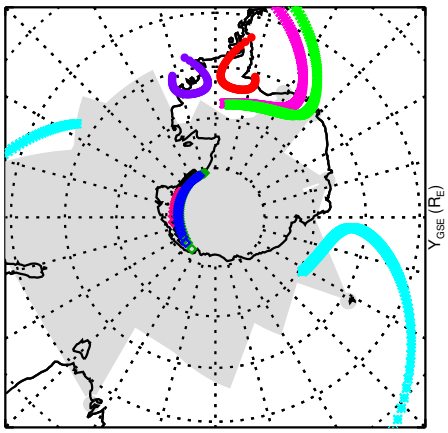
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

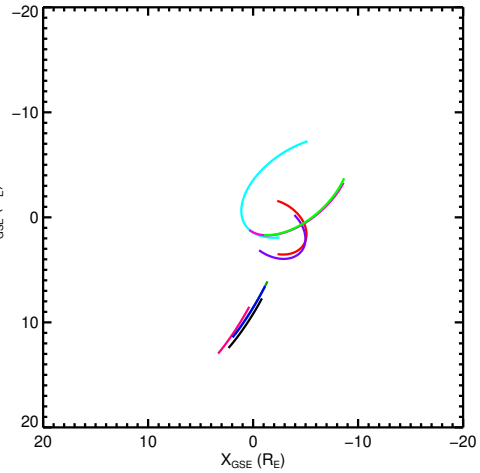




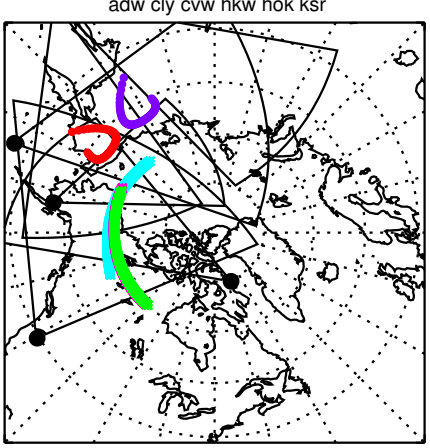
(a) 0000UT to 0605UT
bks cve fhe kap sto wal



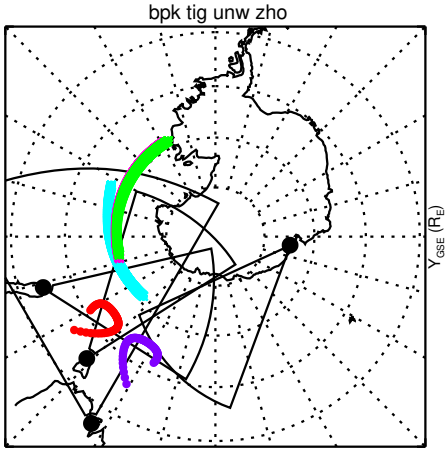


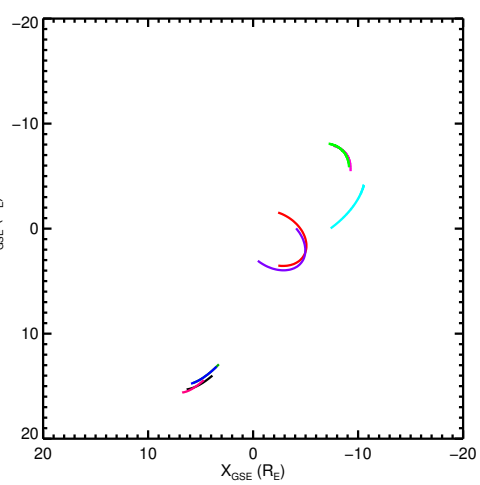


(b) 0900UT to 1500UT
adw cly cvw hkw hok ksr

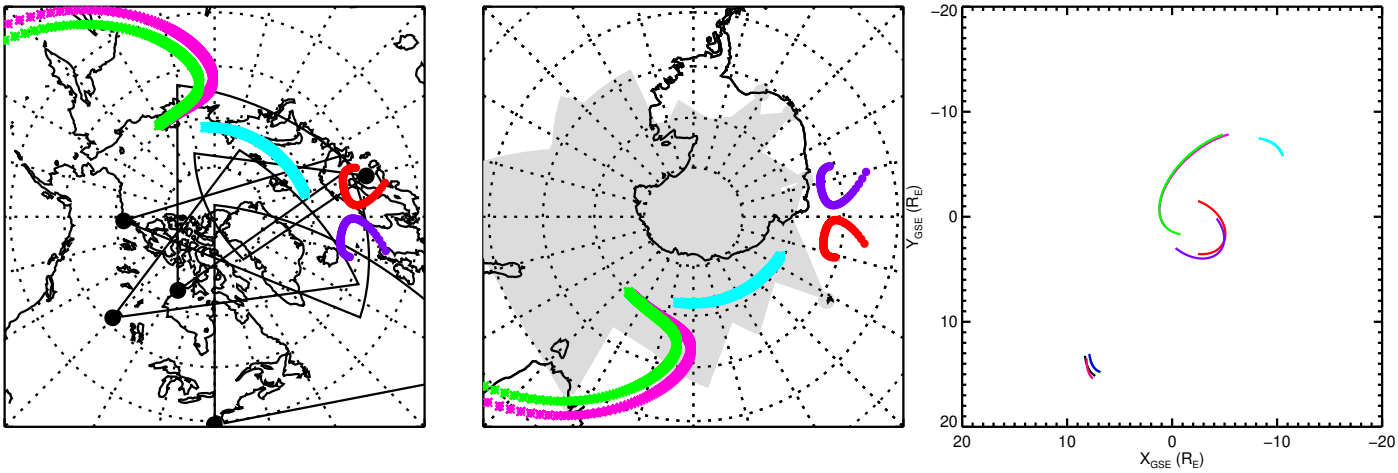


bpk tig unw zho





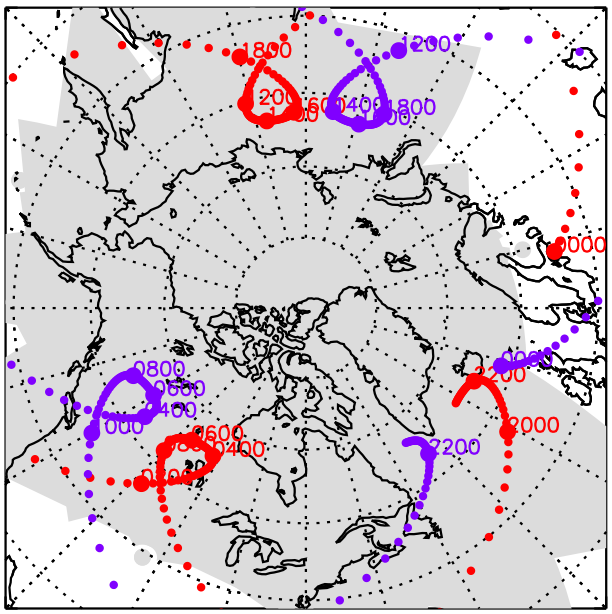
(c) 1800UT to 2355UT
han inv rkn sas wal

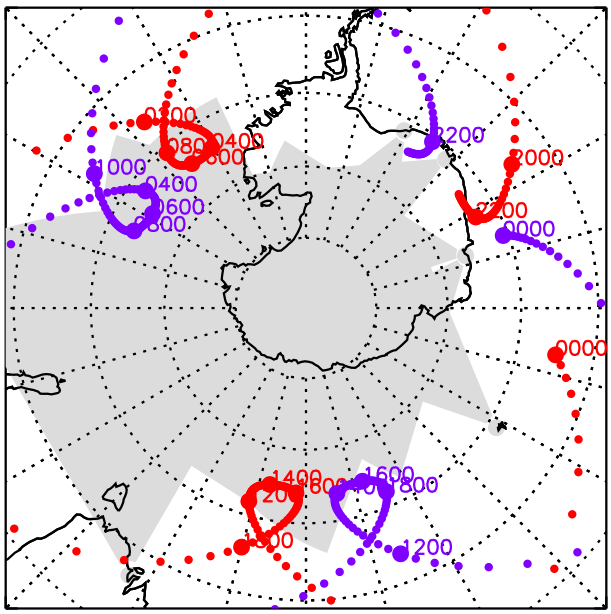


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

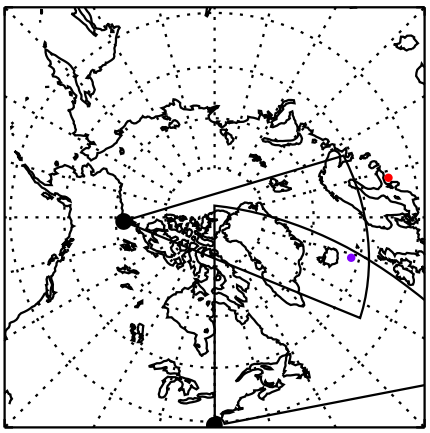
28–Dec–2016

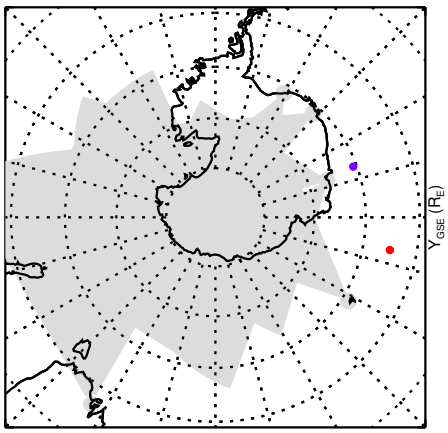
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

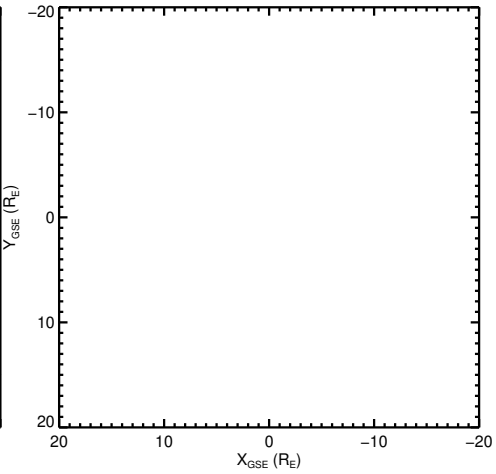




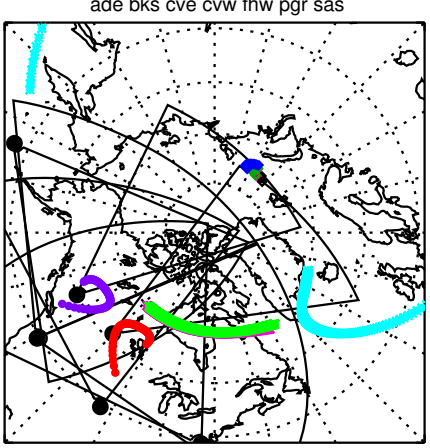
(a) 0000UT to 0000UT
inv wal



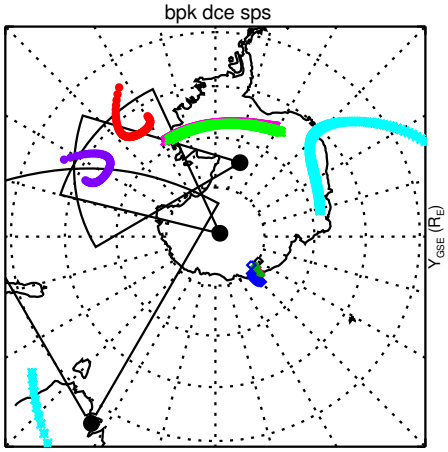


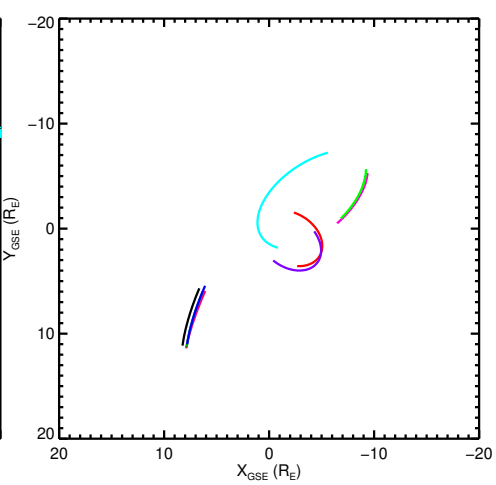


(b) 0305UT to 0855UT
ade bks cve cvw fhw pgr sas

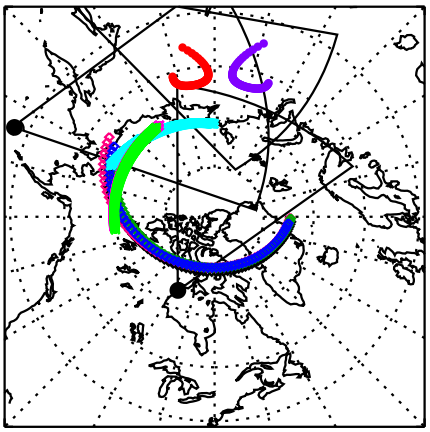


bpk dce sps

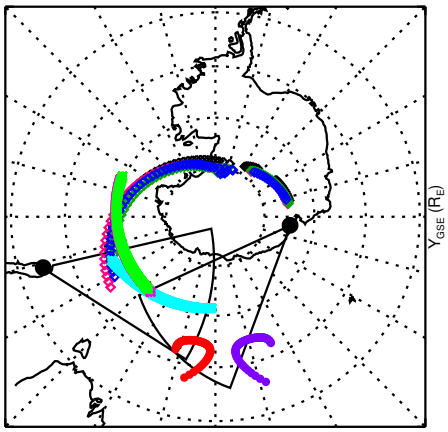


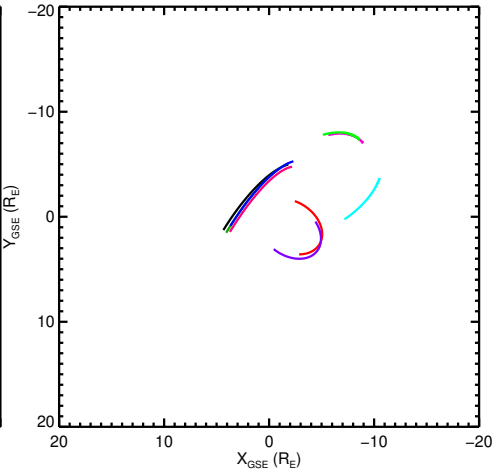


(c) 1210UT to 1750UT
adw hkw rkn

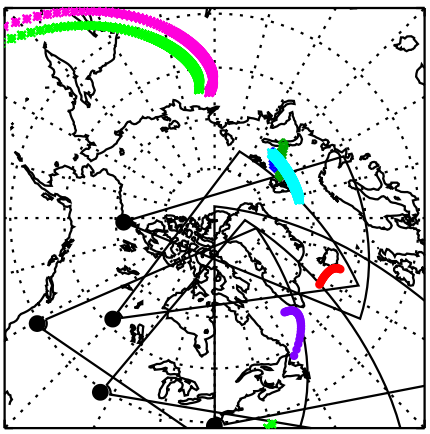


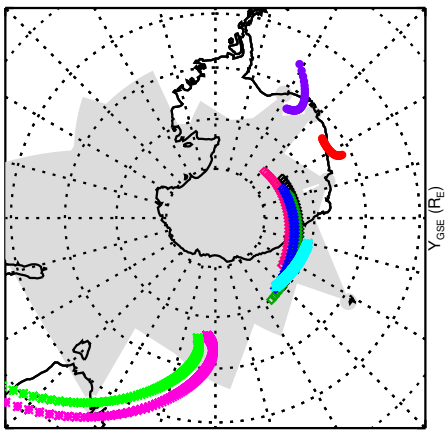
unw zho

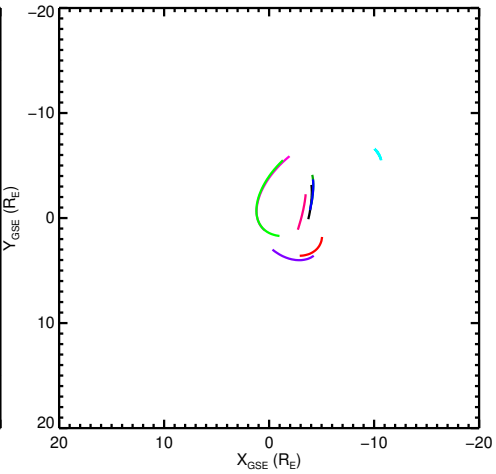




(d) 2110UT to 2355UT
cve fhe inv sas wal



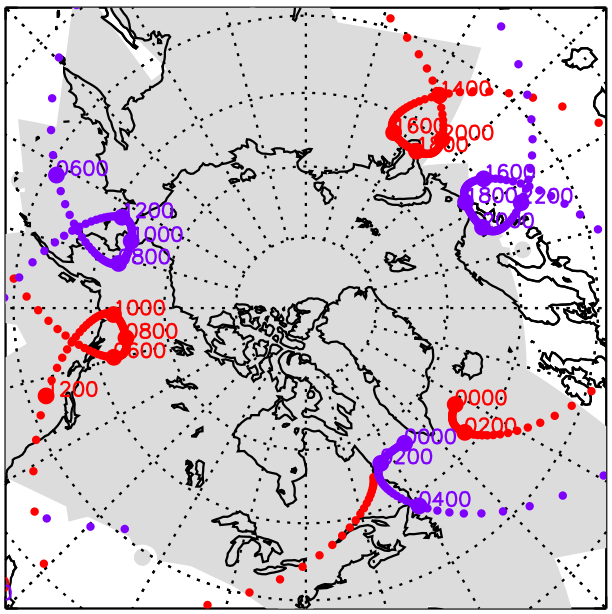


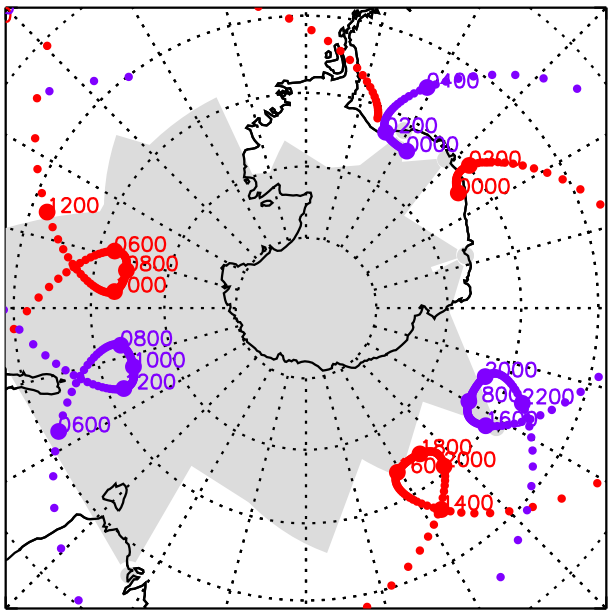


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

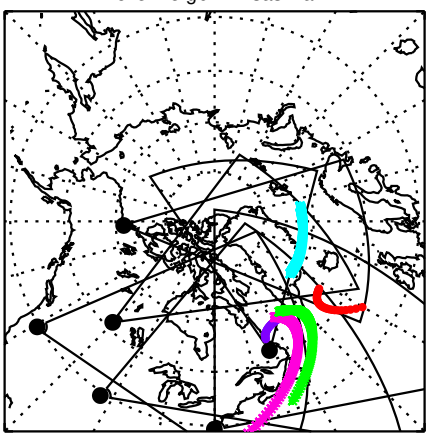
29–Dec–2016

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

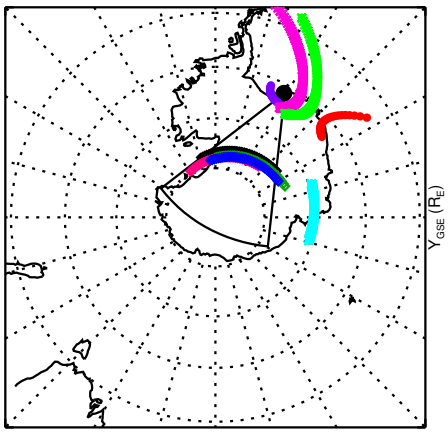


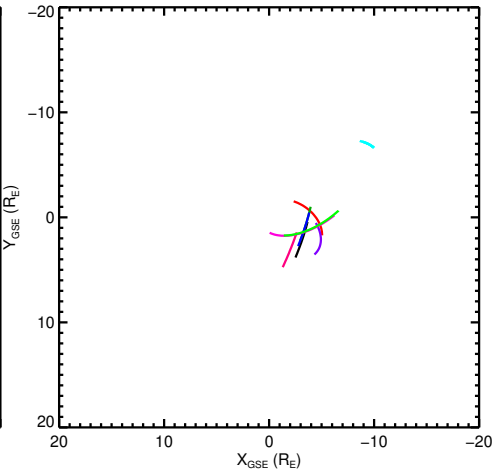


(a) 0000UT to 0250UT
cve fhe gbr inv sas wal

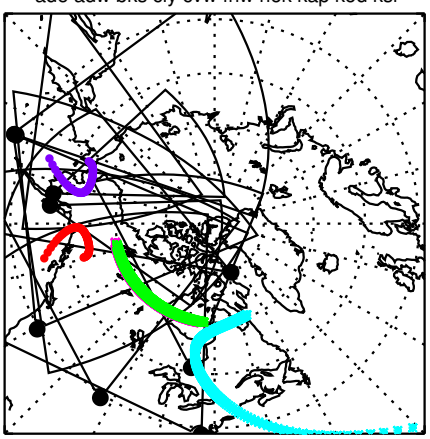


hal

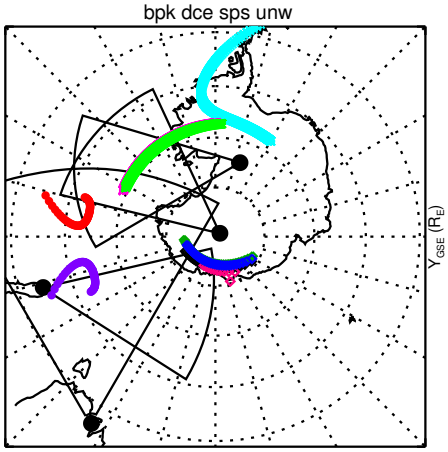


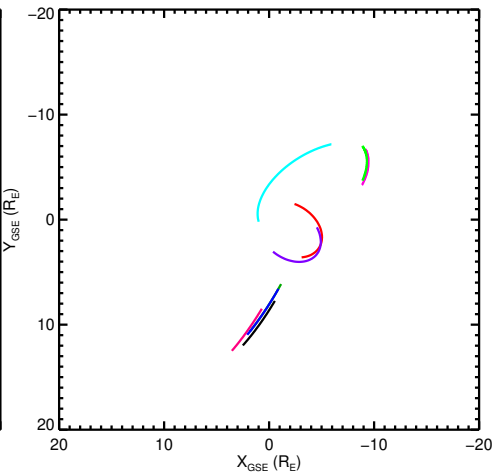


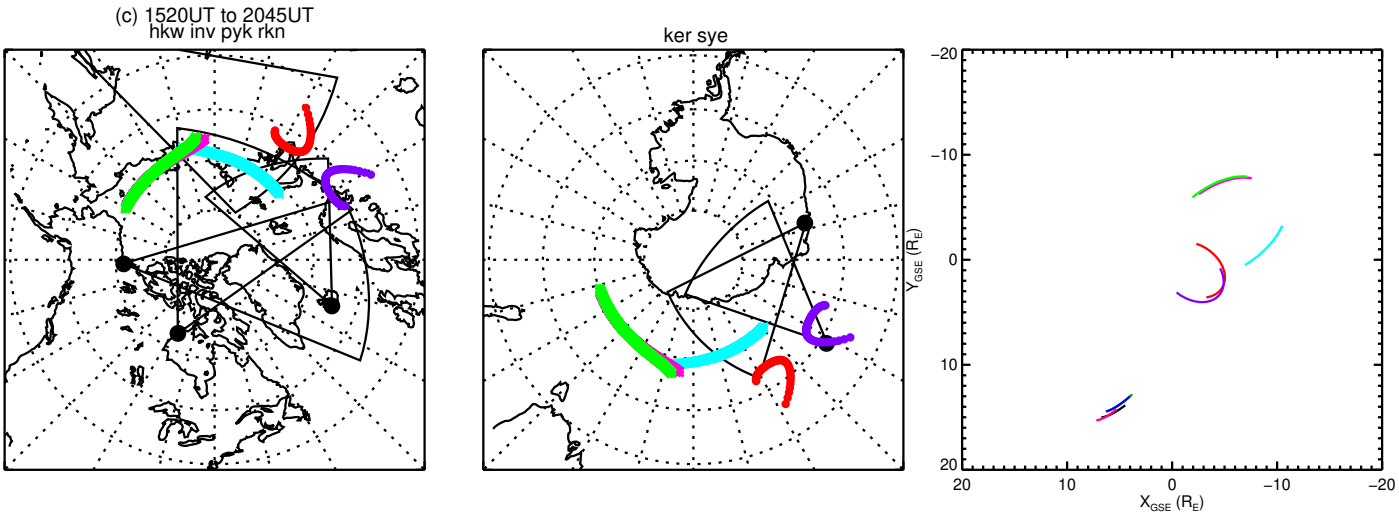
(b) 0615UT to 1145UT
ade adw bks cly cvw fhw hok kap kod ksr



bpk dce sps unw



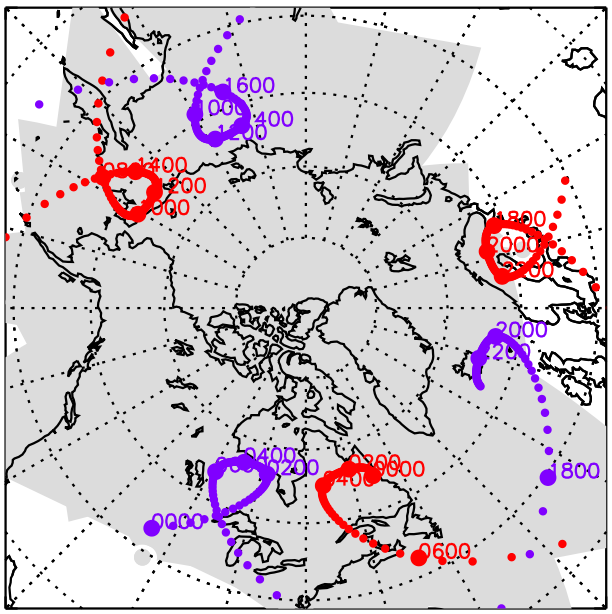


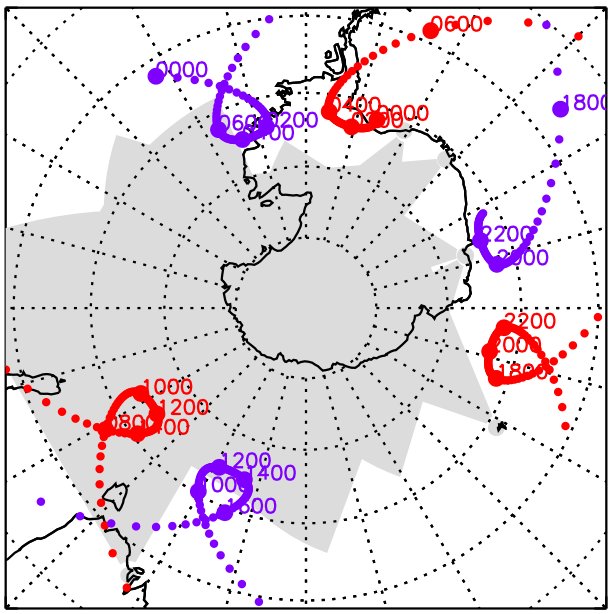

(c) 1520UT to 2045UT
hkw inv pyk rkn
ker sye
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

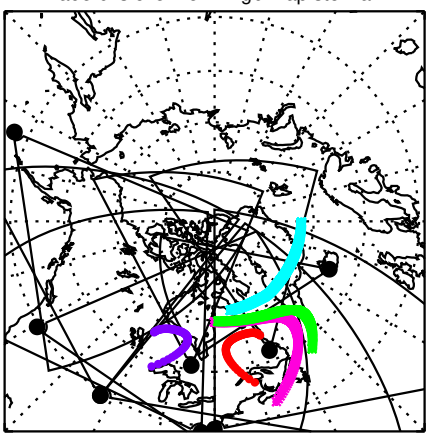
30–Dec–2016

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

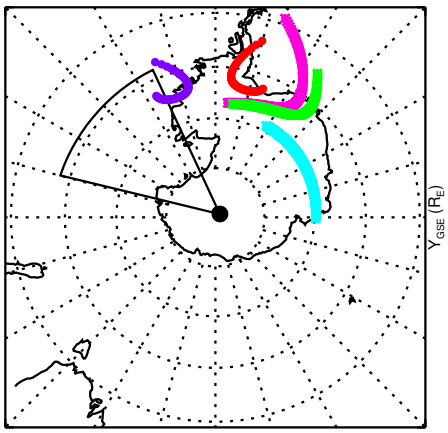


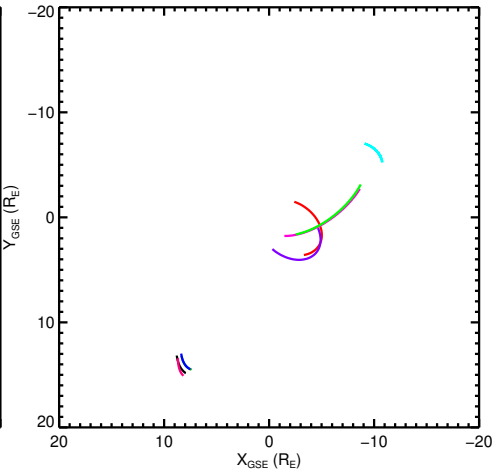


(a) 0020UT to 0540UT
ade bks cve fhe fhw gbr kap sto wal

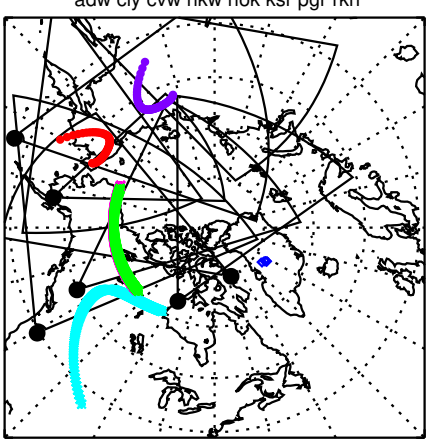


dce

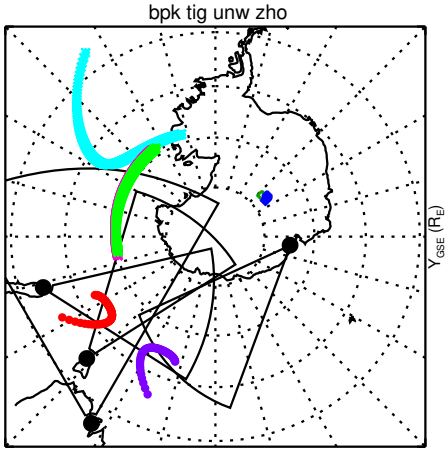


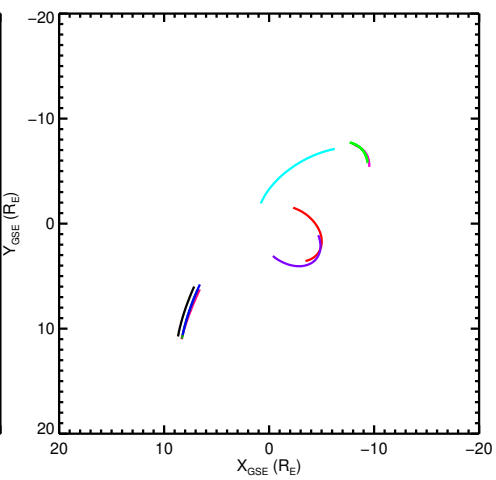


(b) 0925UT to 1440UT
adw cly cvw hkw hok ksr pgr rkn

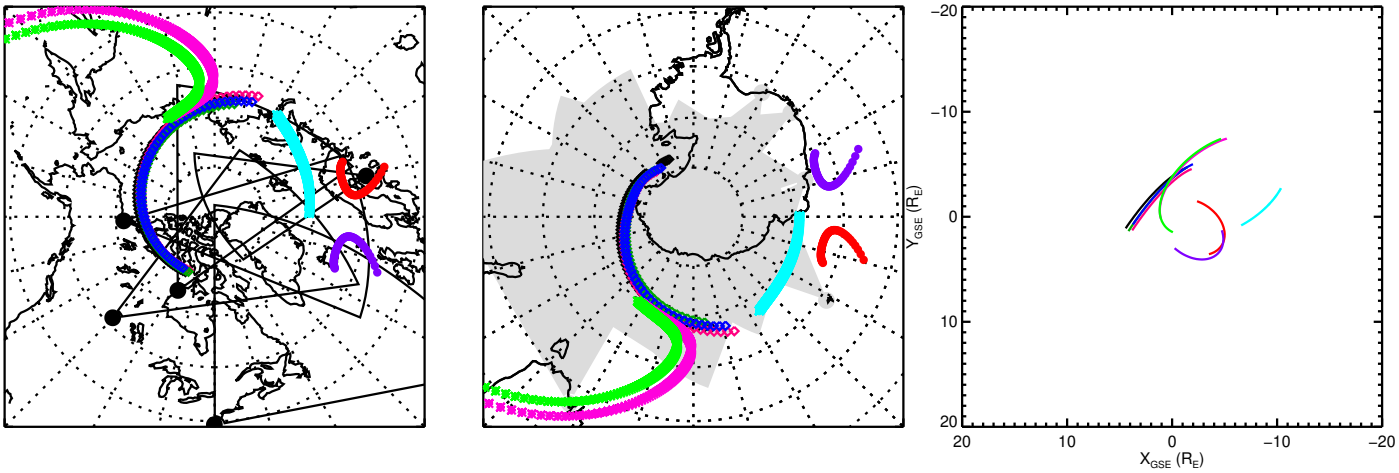


bpk tig unw zho





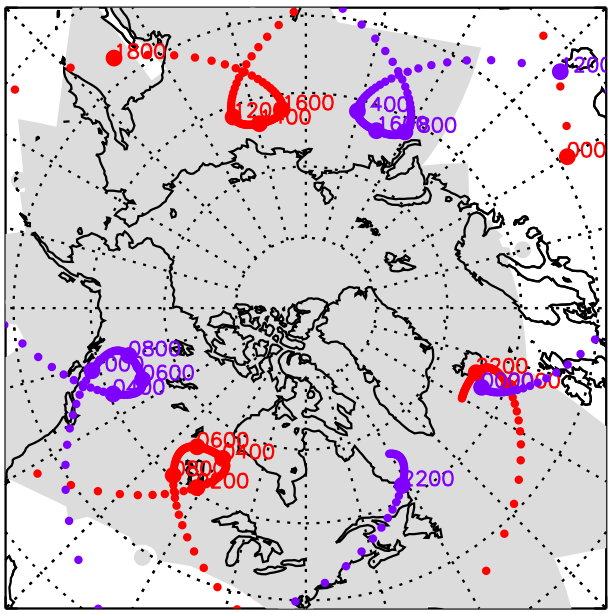
(c) 1825UT to 2335UT
han inv rkn sas wal

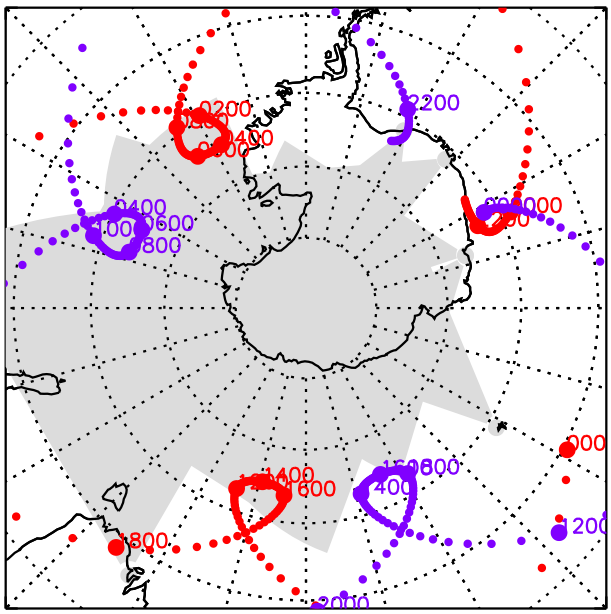


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

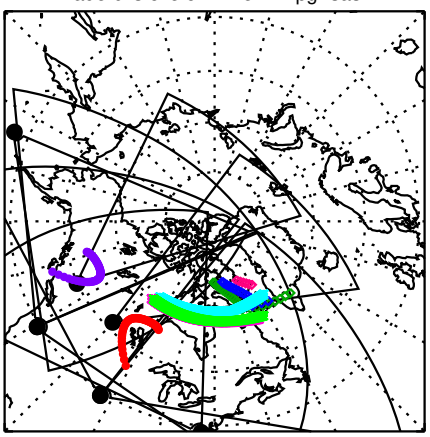
31−Dec−2016

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

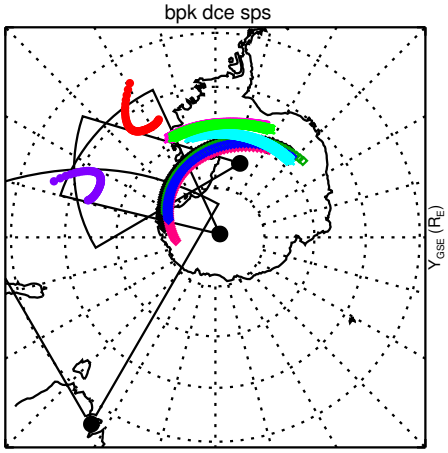


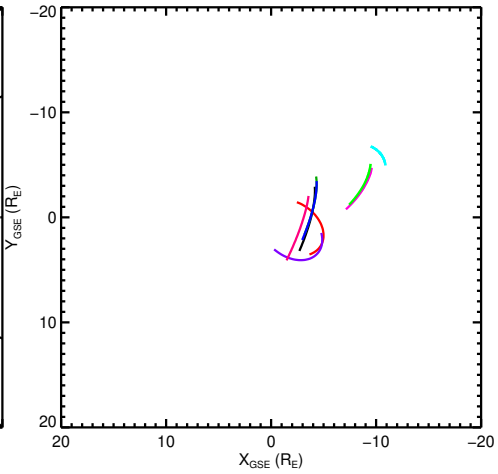


(a) 0330UT to 0830UT
ade bks cve cvw fhe fhw pgr sas

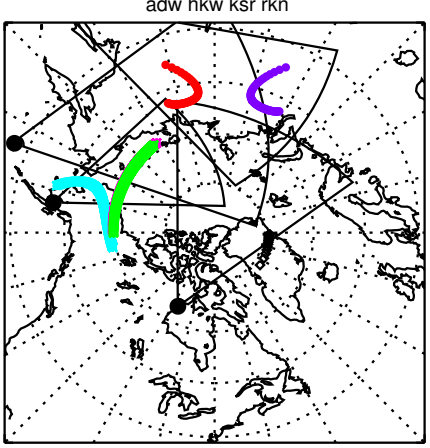


bpk dce sps

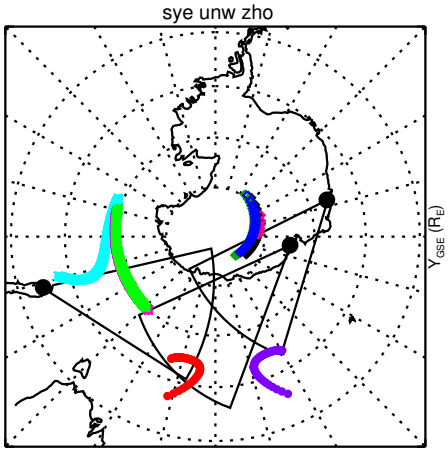


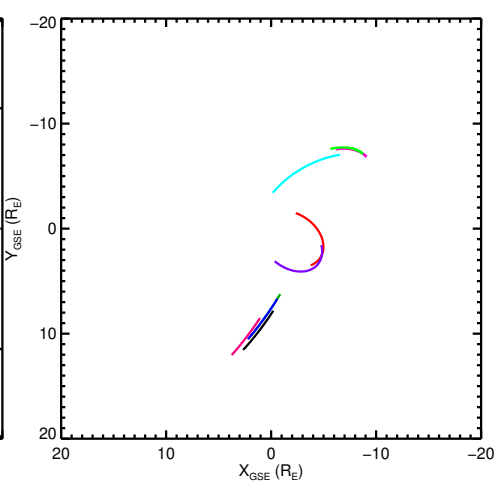


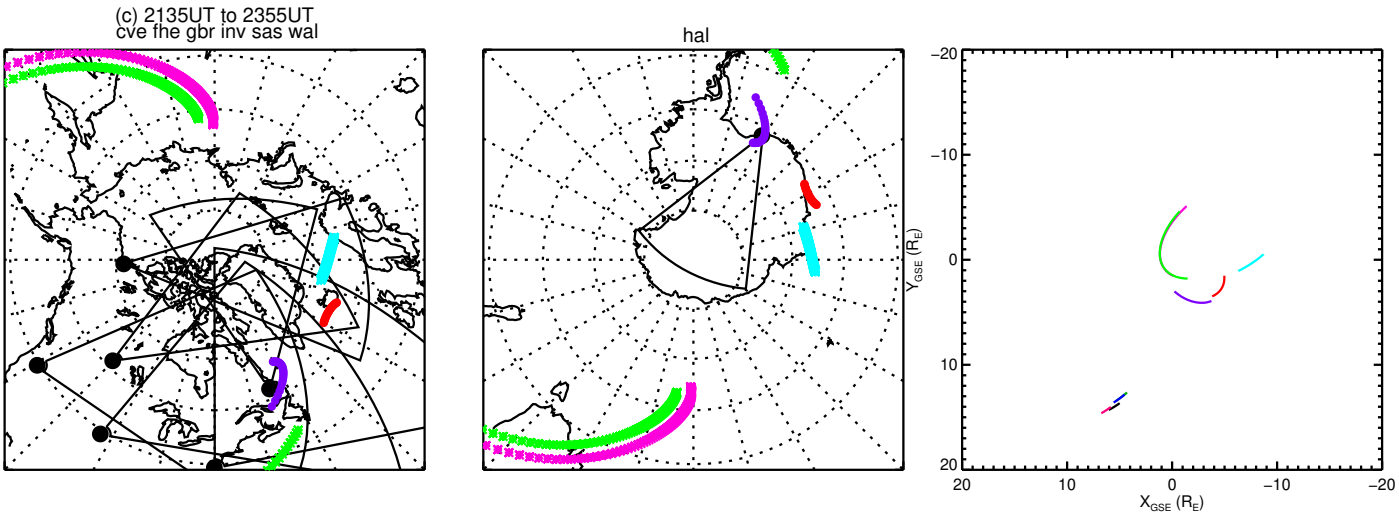
(b) 1235UT to 1730UT
adw hkw ksr rkn



sye unw zho






(c) 2135UT to 2355UT
cve fhe gbr inv sas wal
hal
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)