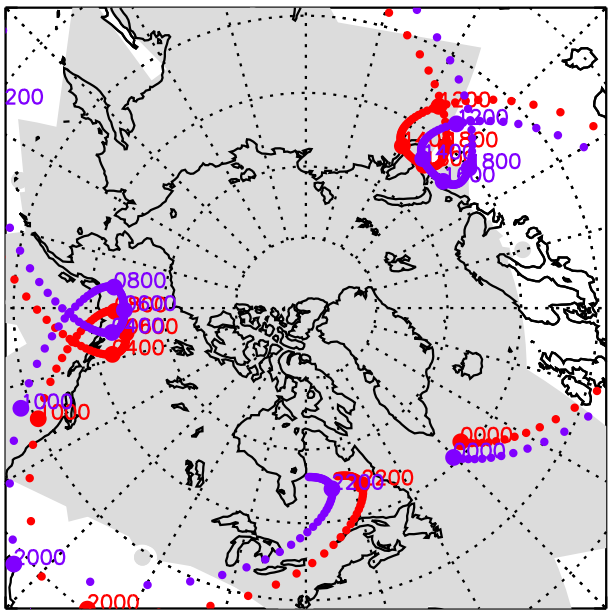
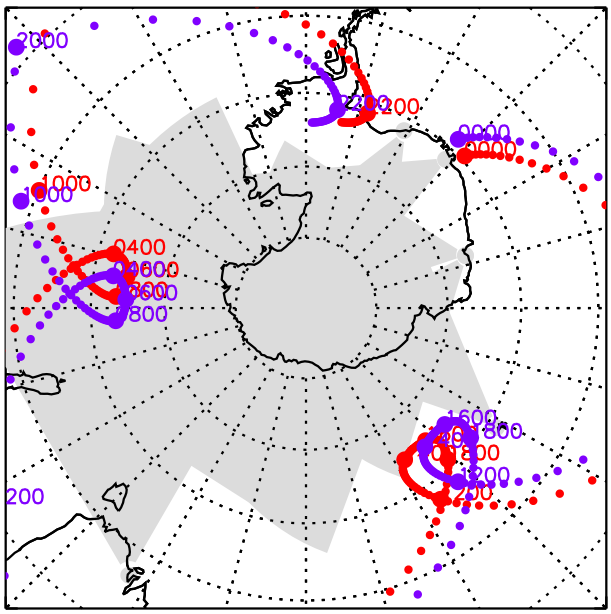
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

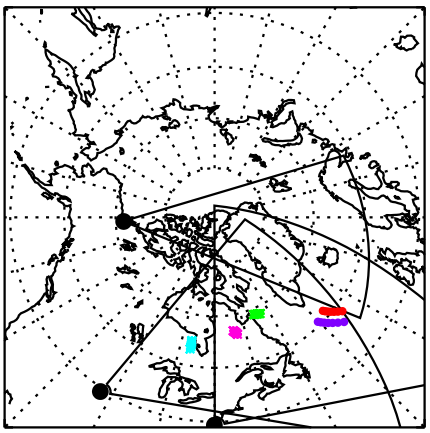
01−Mar−2017

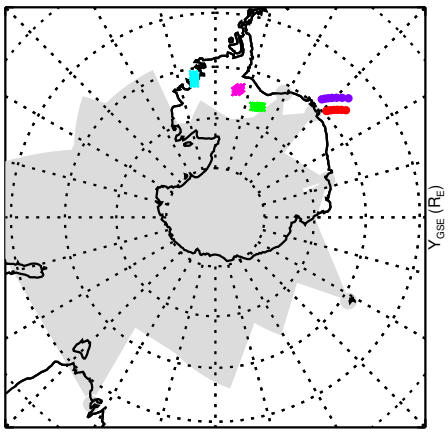
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

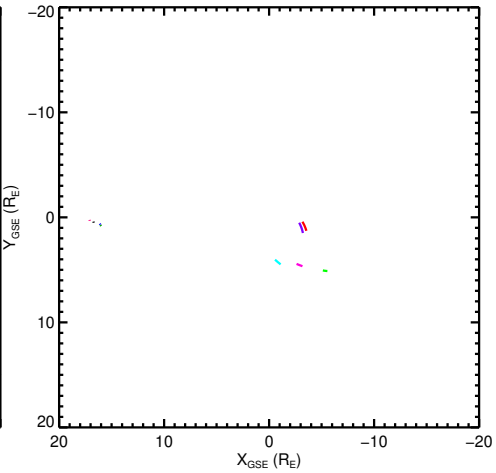




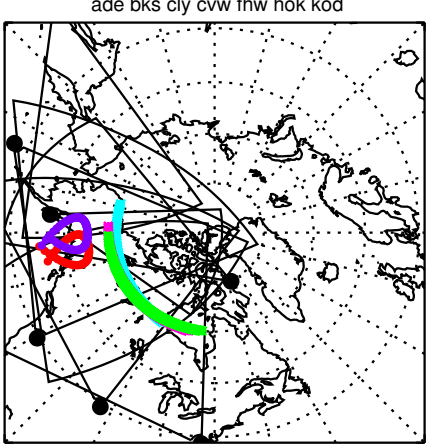
(a) 0000UT to 0030UT
fhe inv wal



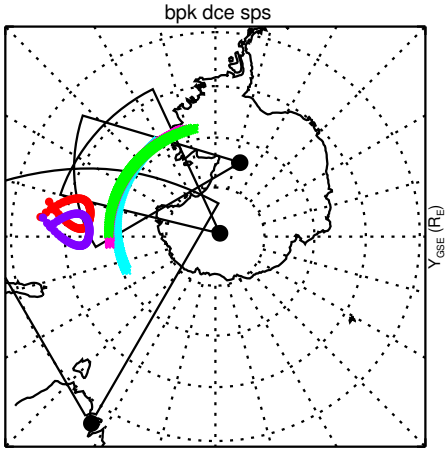


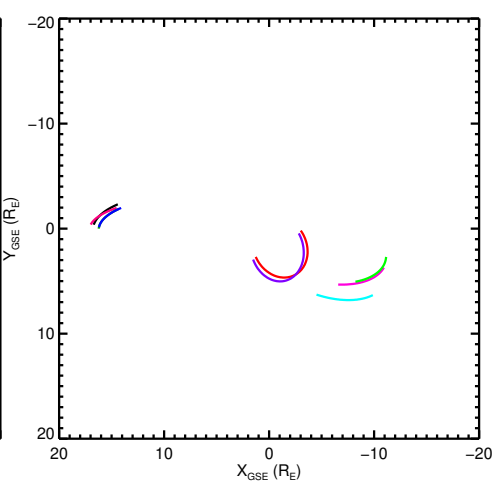


(b) 0250UT to 0935UT
ade bks cly cvw fhw hok kod



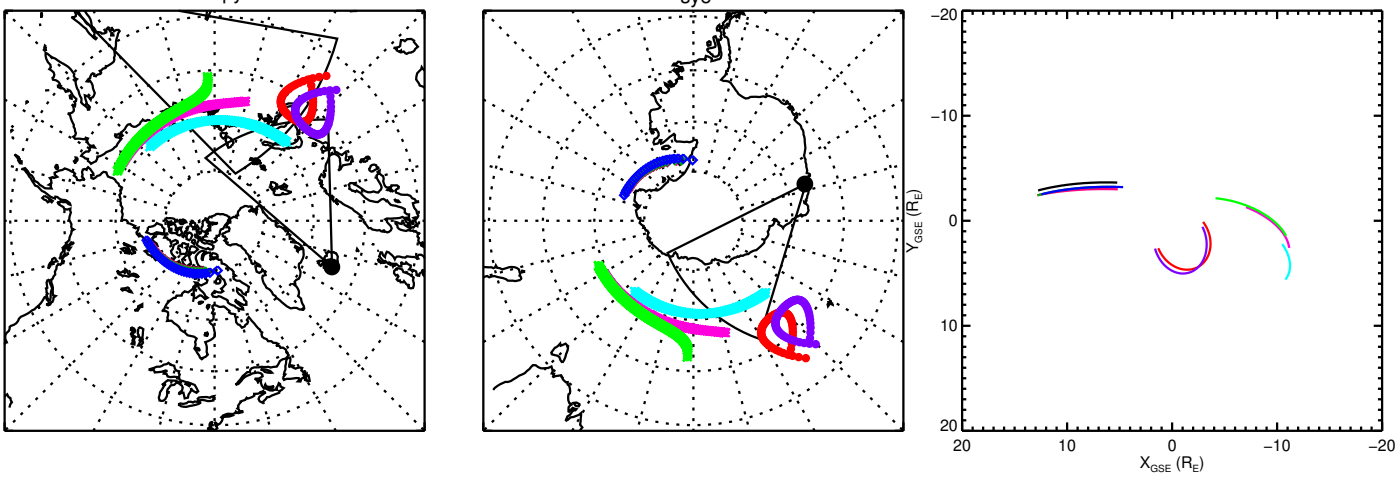
bpk dce sps



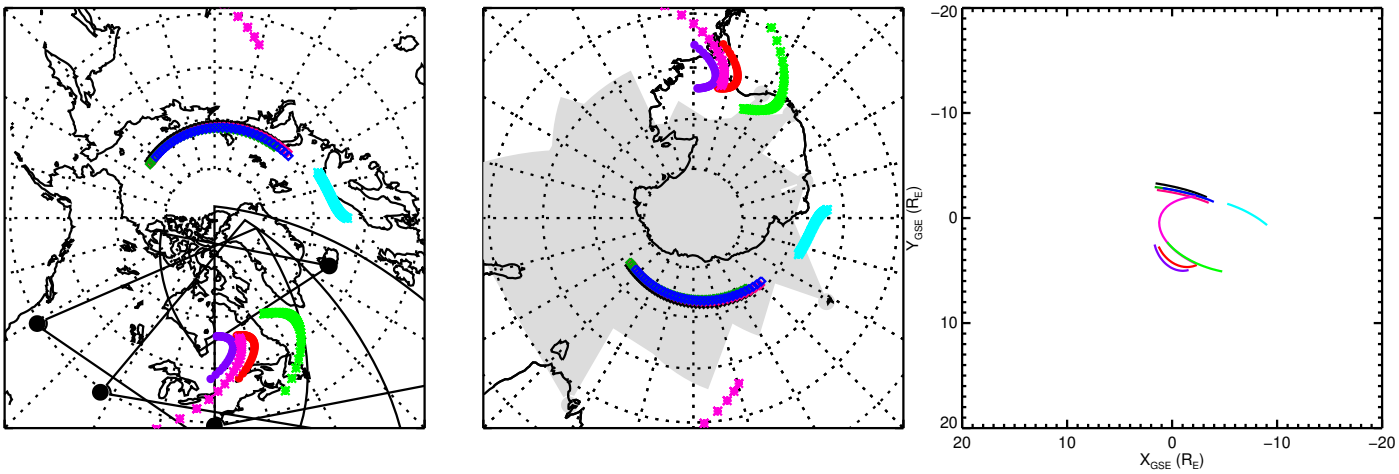


(c) 1145UT to 1835UT
hkw pyk

sye



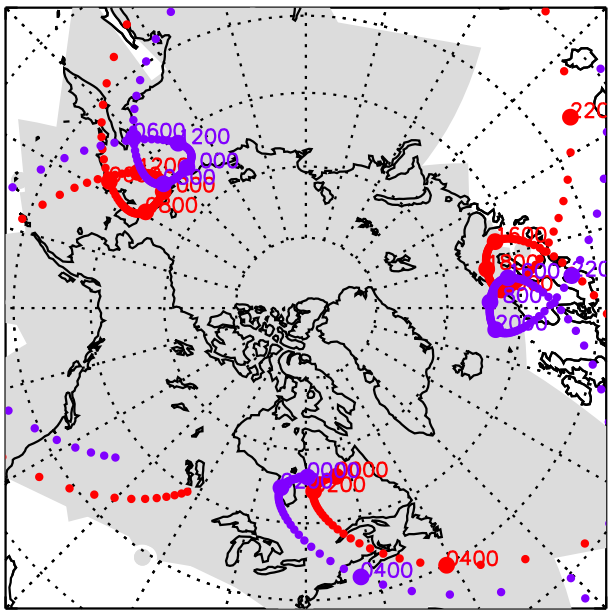
(d) 2045UT to 2355UT
cve fhe sto wal

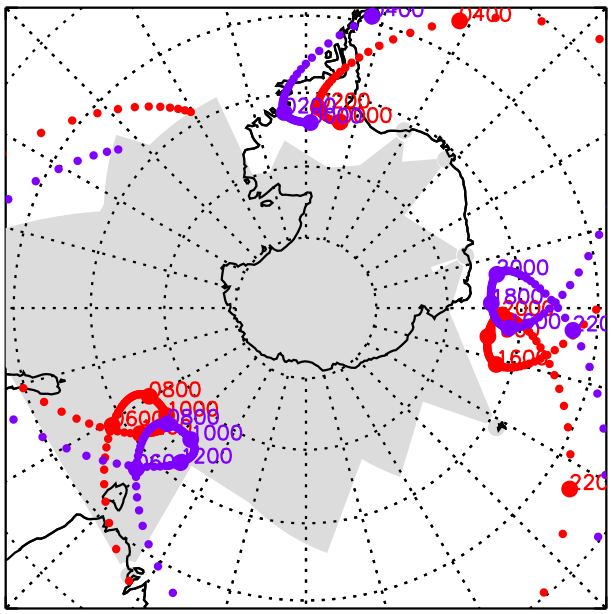


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

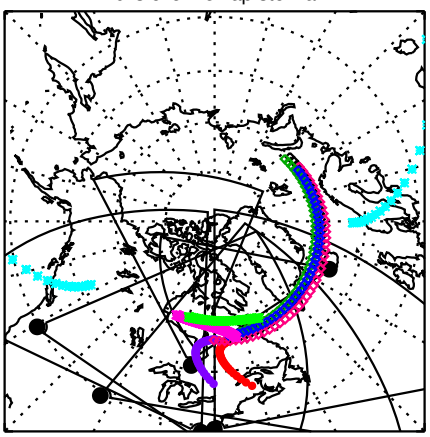
02–Mar–2017

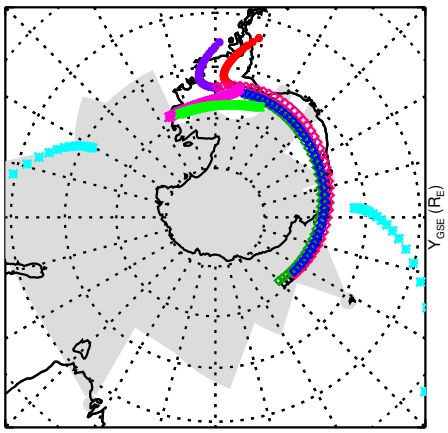
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

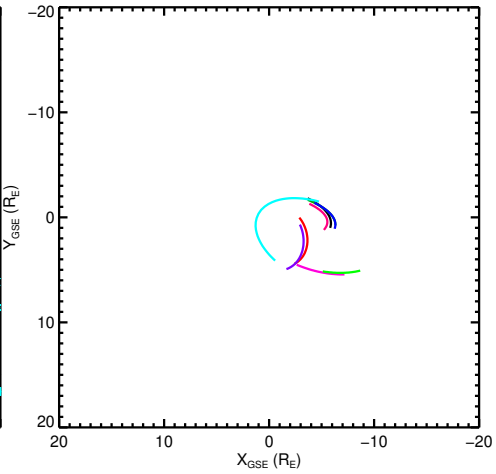




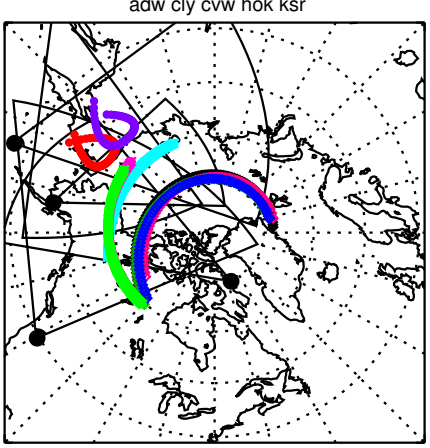
(a) 0000UT to 0335UT
bks cve fhe kap sto wal



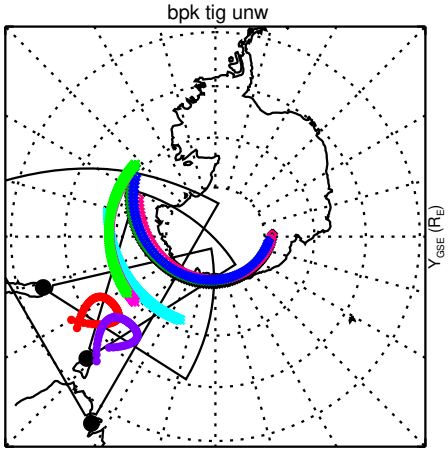


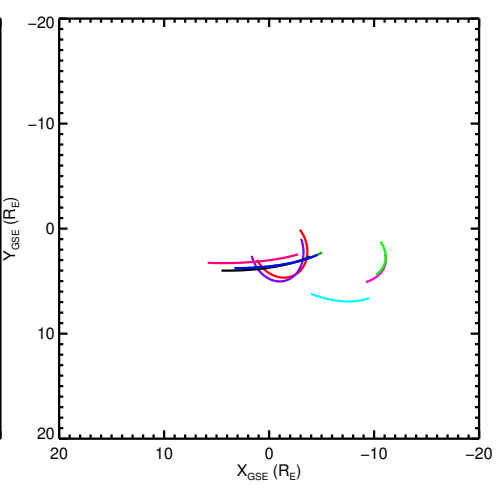


(b) 0550UT to 1230UT
adw cly cvw hok ksr

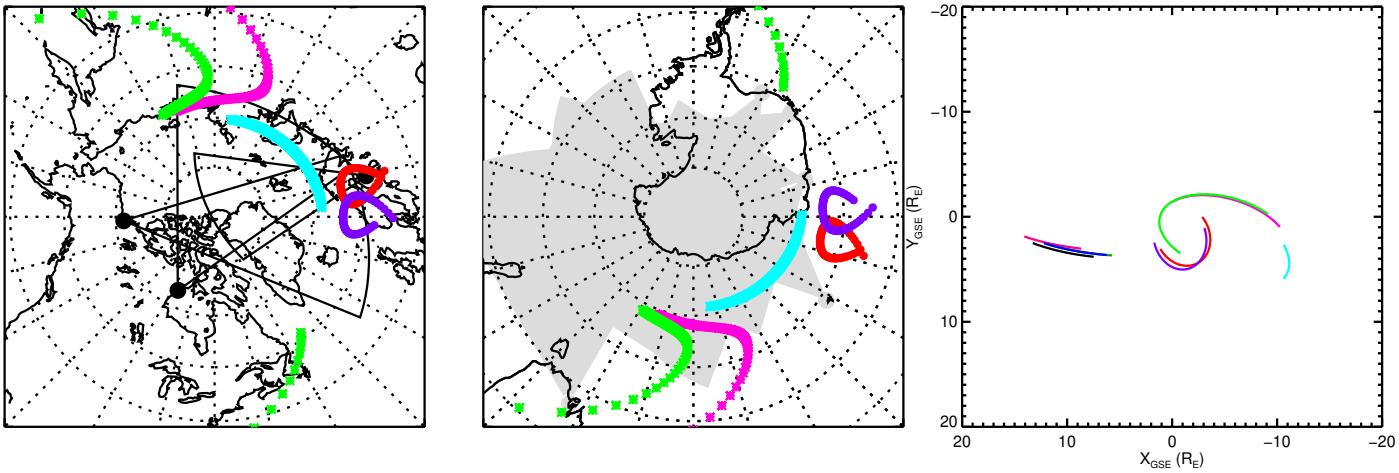


bpk tig unw



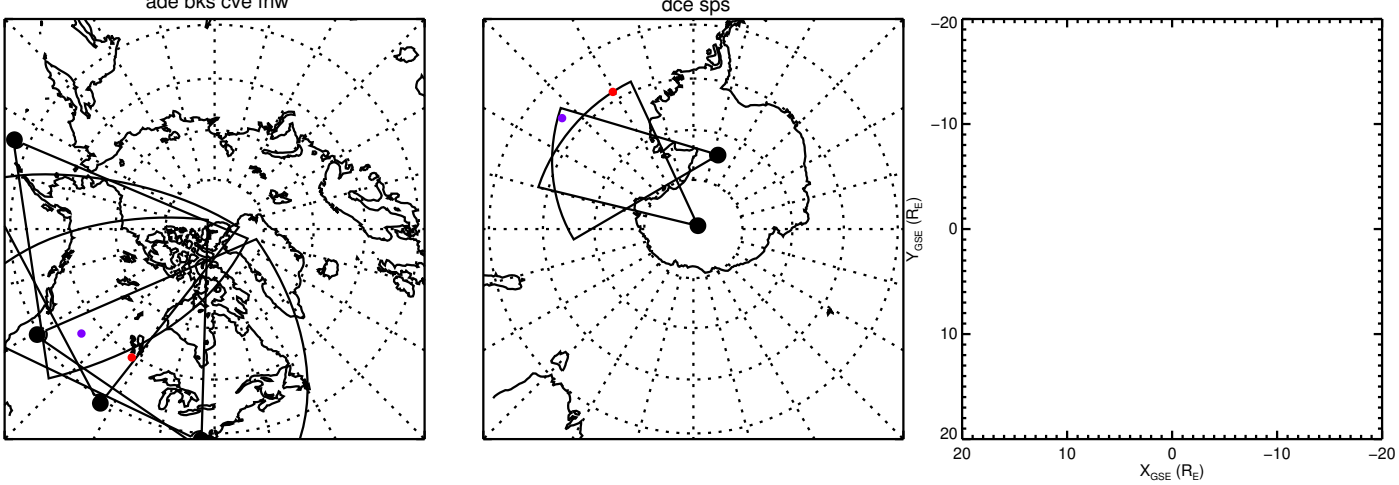


(c) 1450UT to 2130UT
han inv rkn



(d) 2355UT to 2355UT
ade bks cve fhw

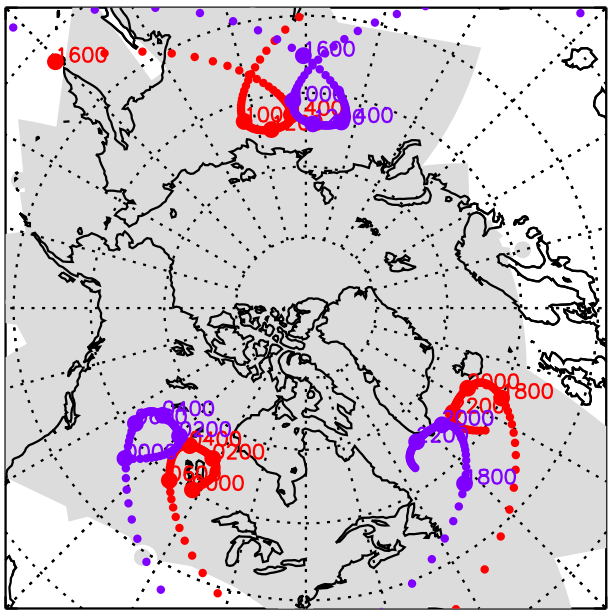
dce sps

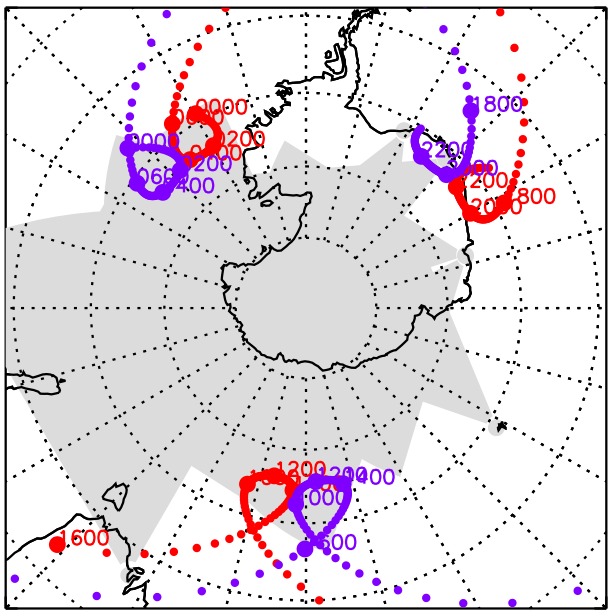


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

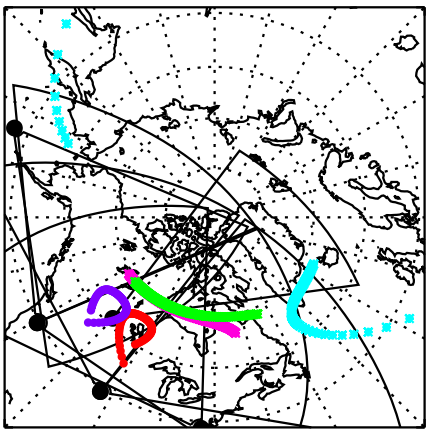
03–Mar–2017

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

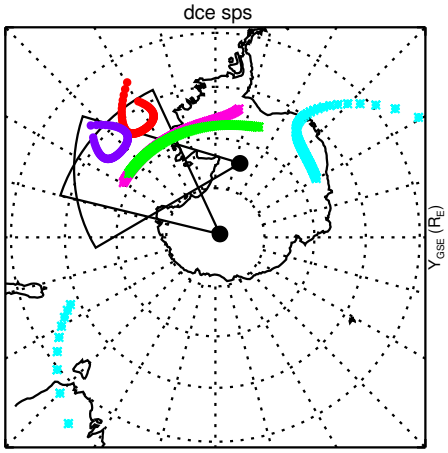


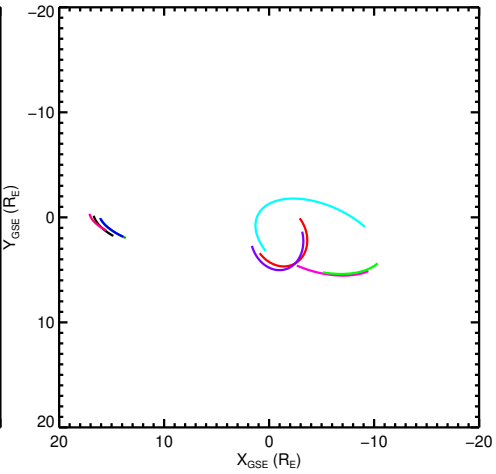


(a) 0000UT to 0625UT
ade bks cve cvw fhe fhw sas

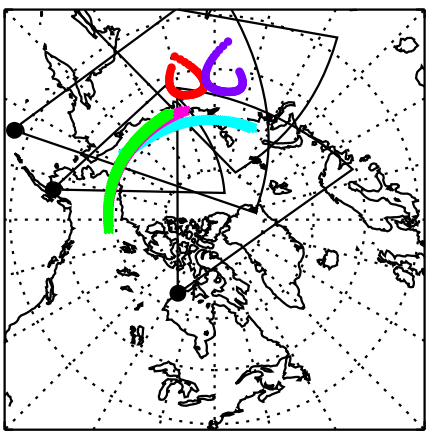


dce sps

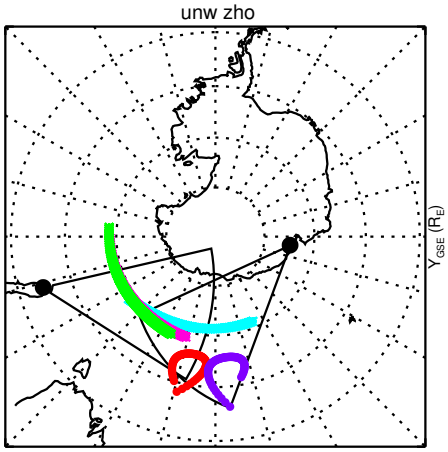


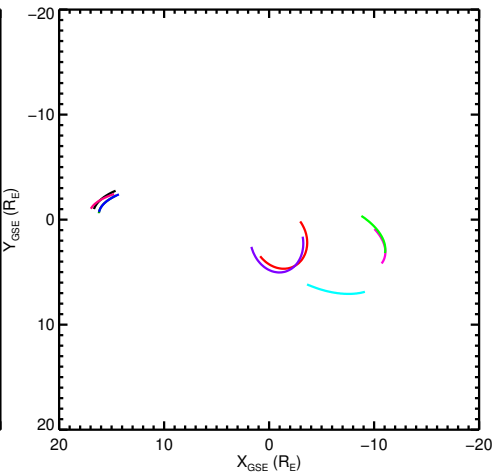


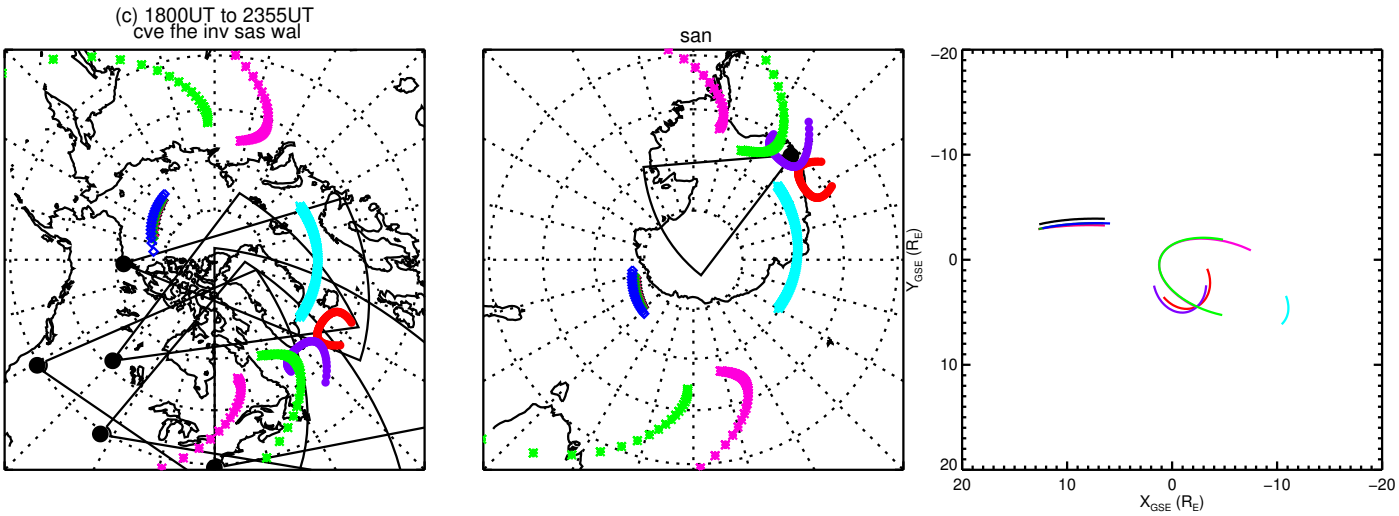
(b) 0900UT to 1520UT
adw hkw ksr rkn



unw zho



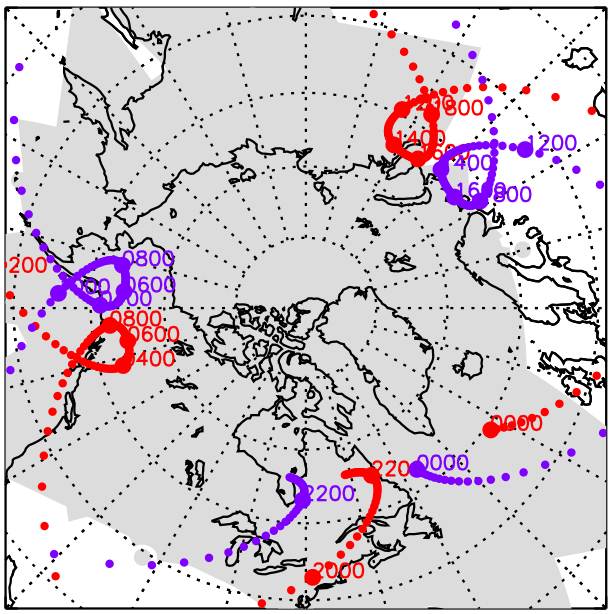


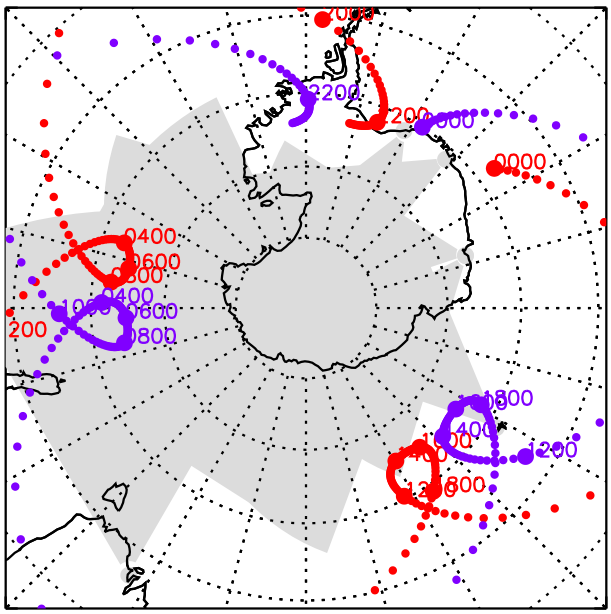

(c) 1800UT to 2355UT
cve fhe inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

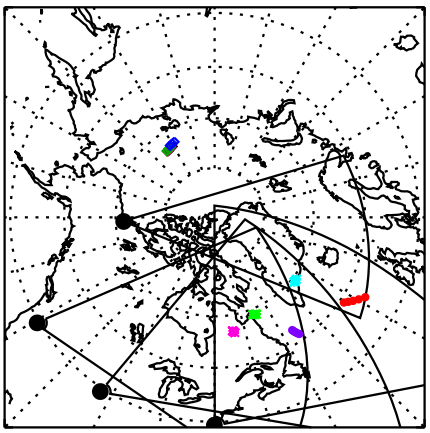
04–Mar–2017

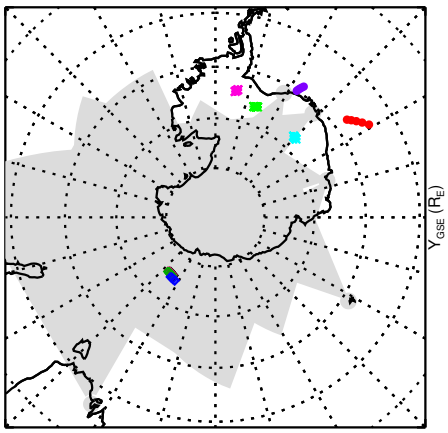
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

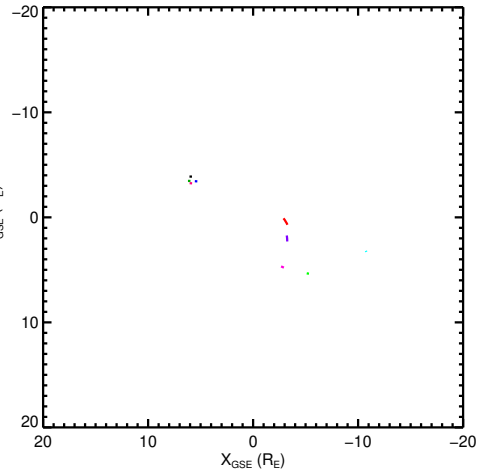




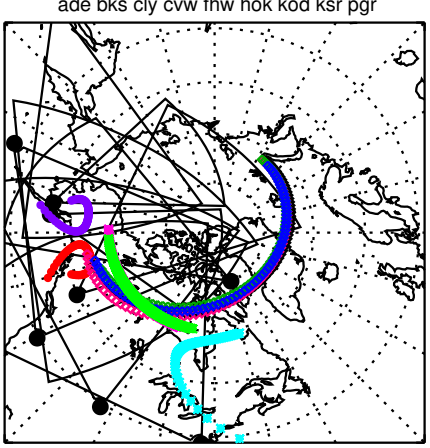
(a) 0000UT to 0020UT
cve fhe inv wal



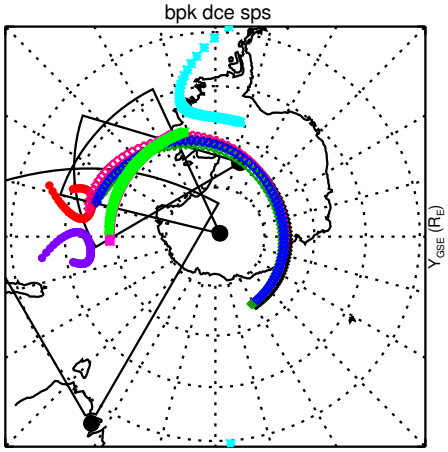


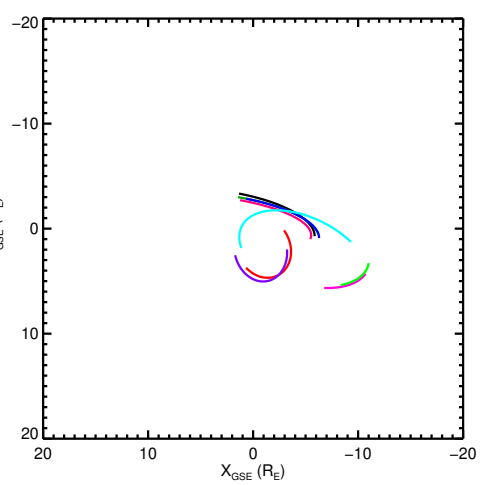


(b) 0305UT to 0915UT
ade bks cly cvw fhw hok kod ksr pgr



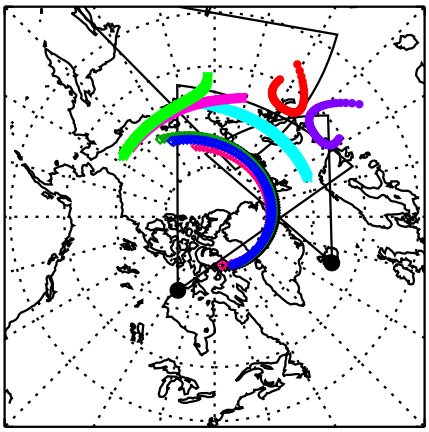
bpk dce sps

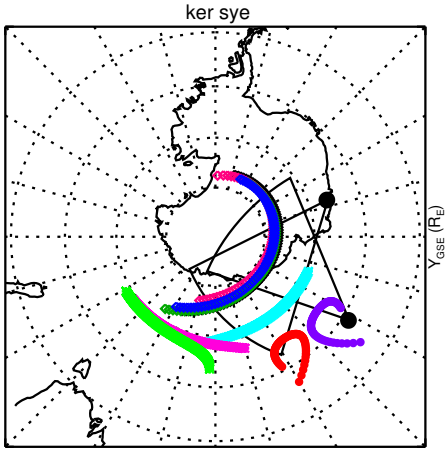


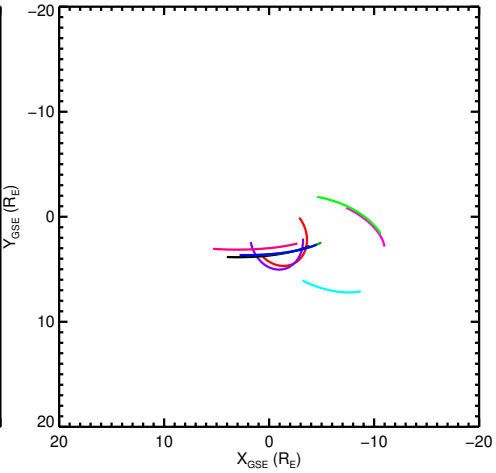


(c) 1205UT to 1815UT
hkw pyk rkn

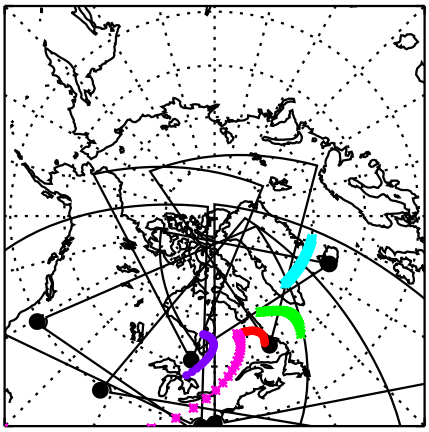
ker sye

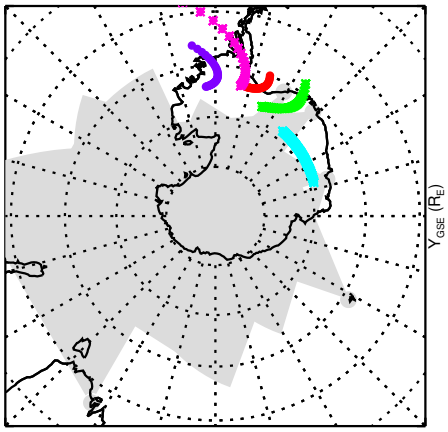


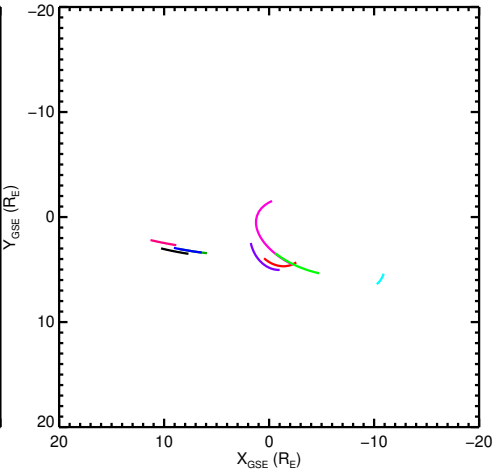




(d) 2110UT to 2355UT
bks cve fhe gbr kap sto wal



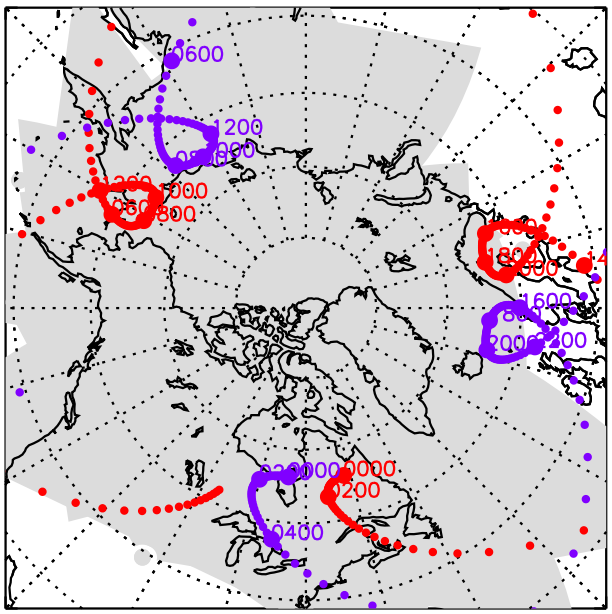


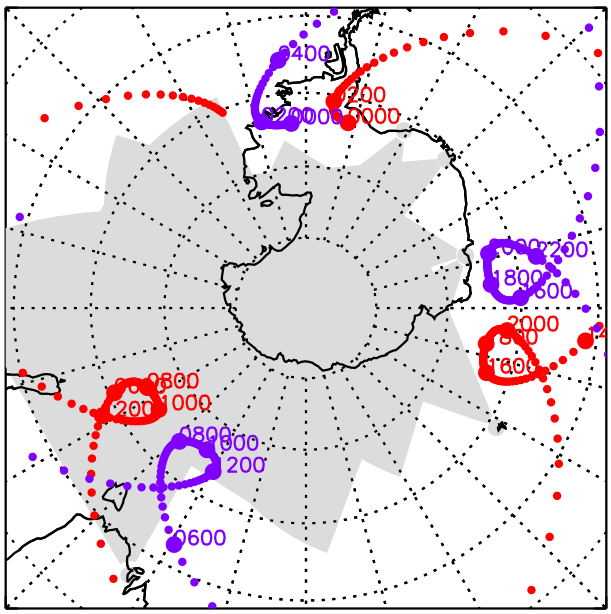


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

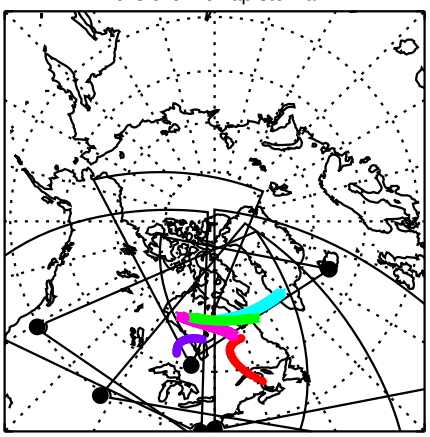
05–Mar–2017

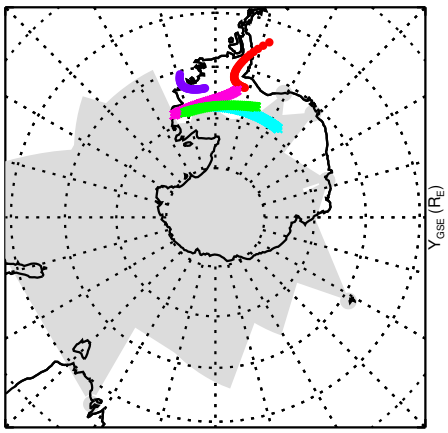
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

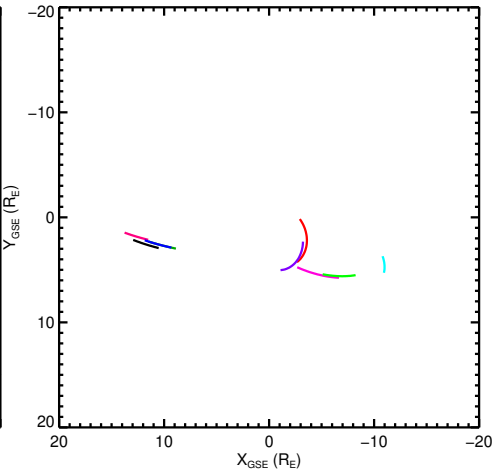




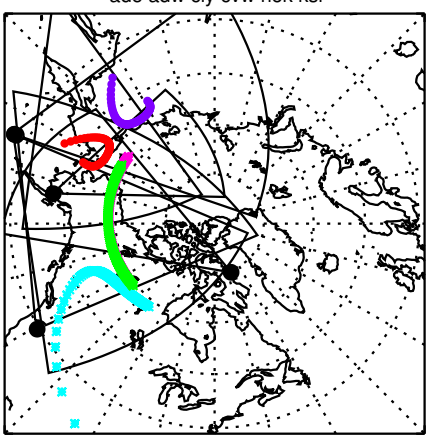
(a) 0000UT to 0310UT
bks cve fhe kap sto wal



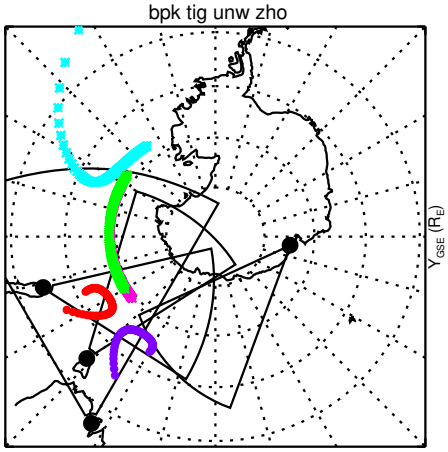


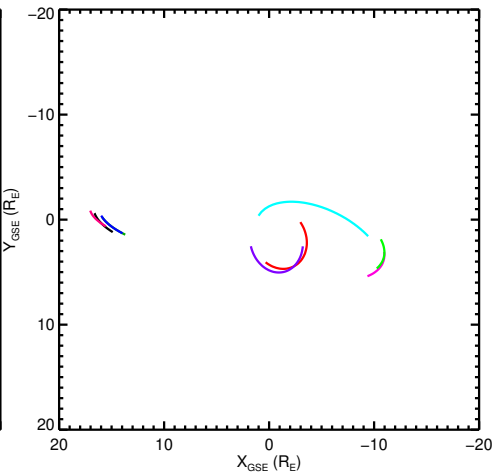


(b) 0615UT to 1205UT
ade adw cly cvw hok ksr

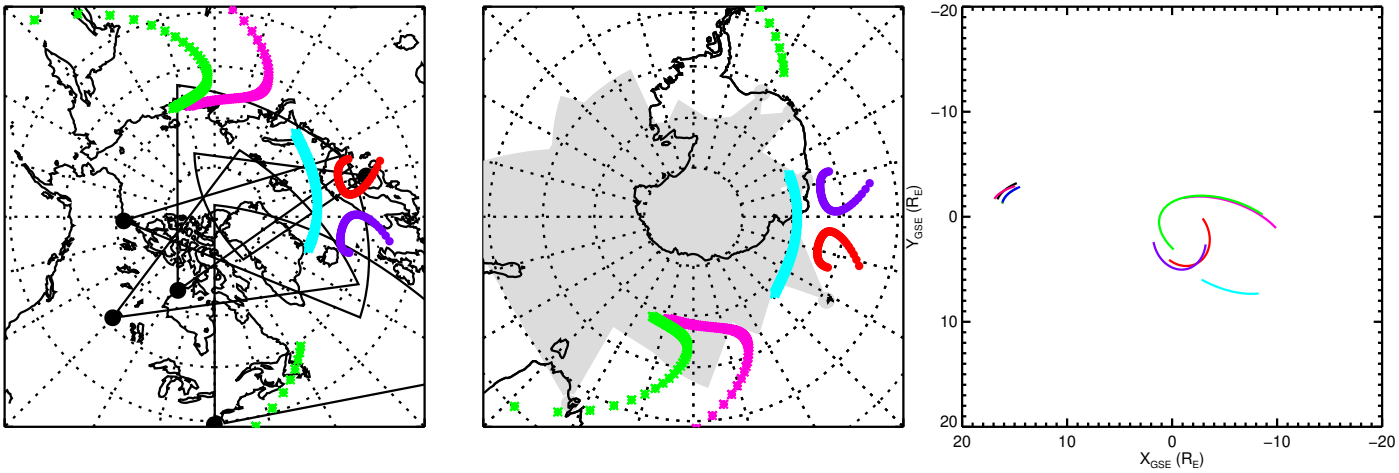


bpk tig unw zho





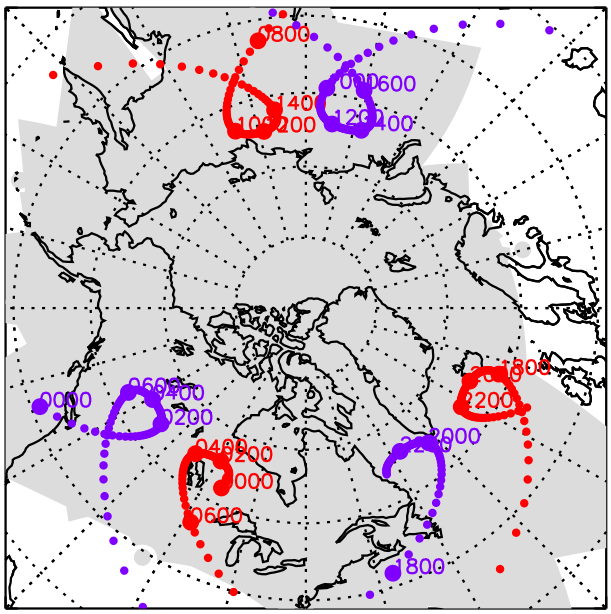
(c) 1515UT to 2105UT
han inv rkn sas wal

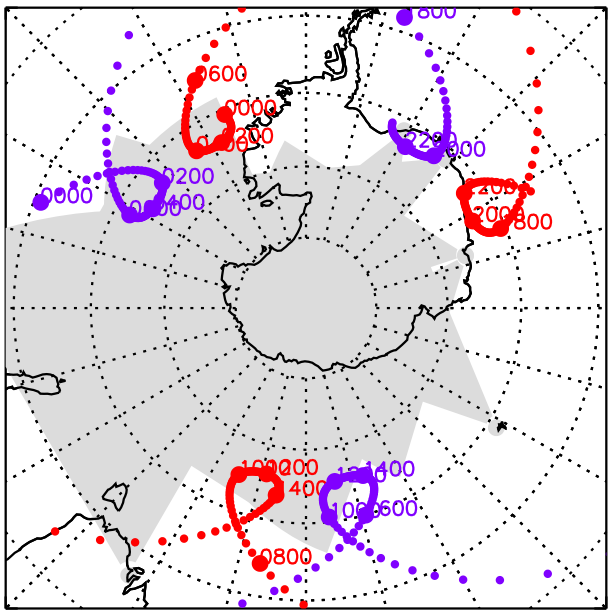


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

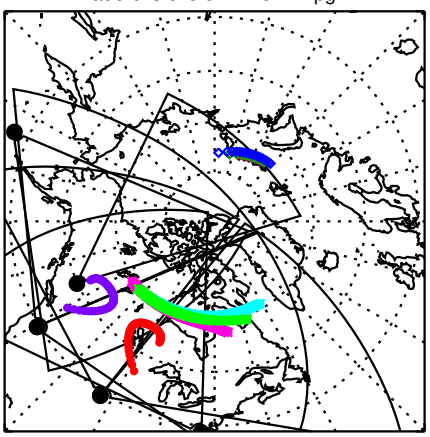
06–Mar–2017

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

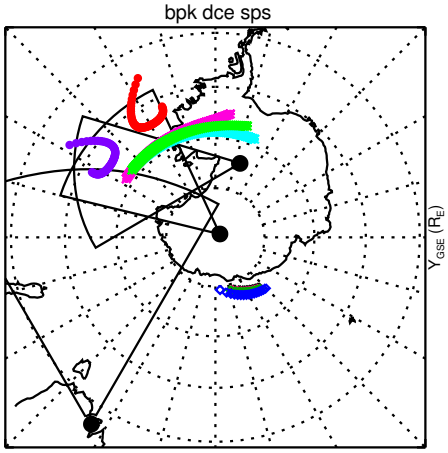


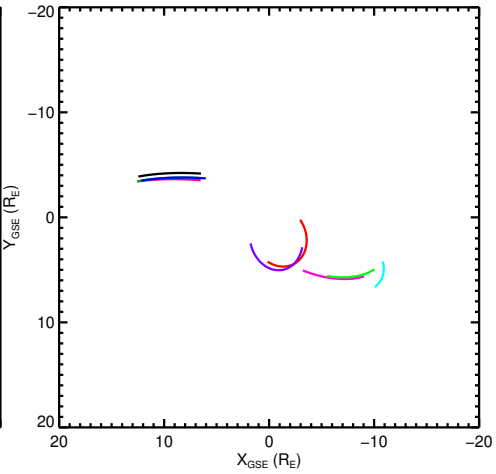


(a) 0020UT to 0600UT
ade bks cve cvw fhe fhw pgr

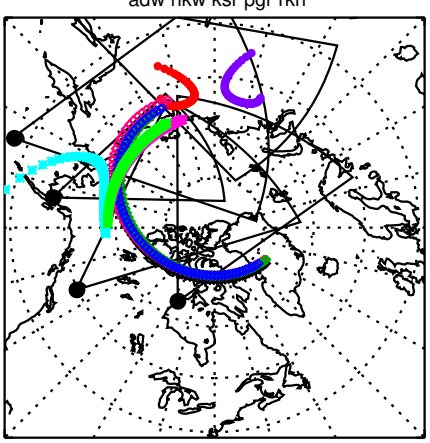


bpk dce sps

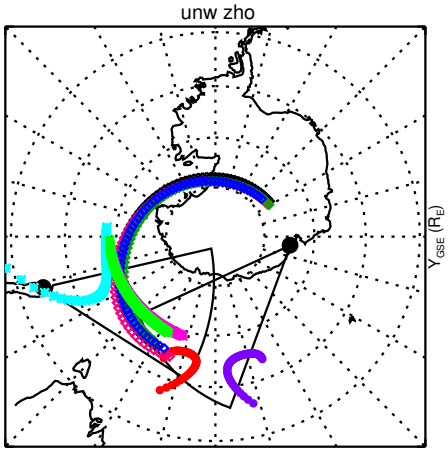


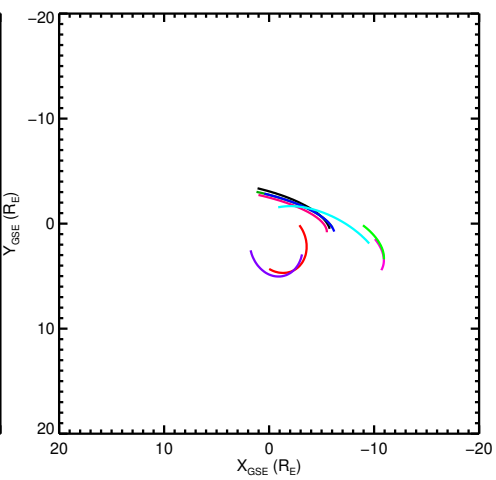


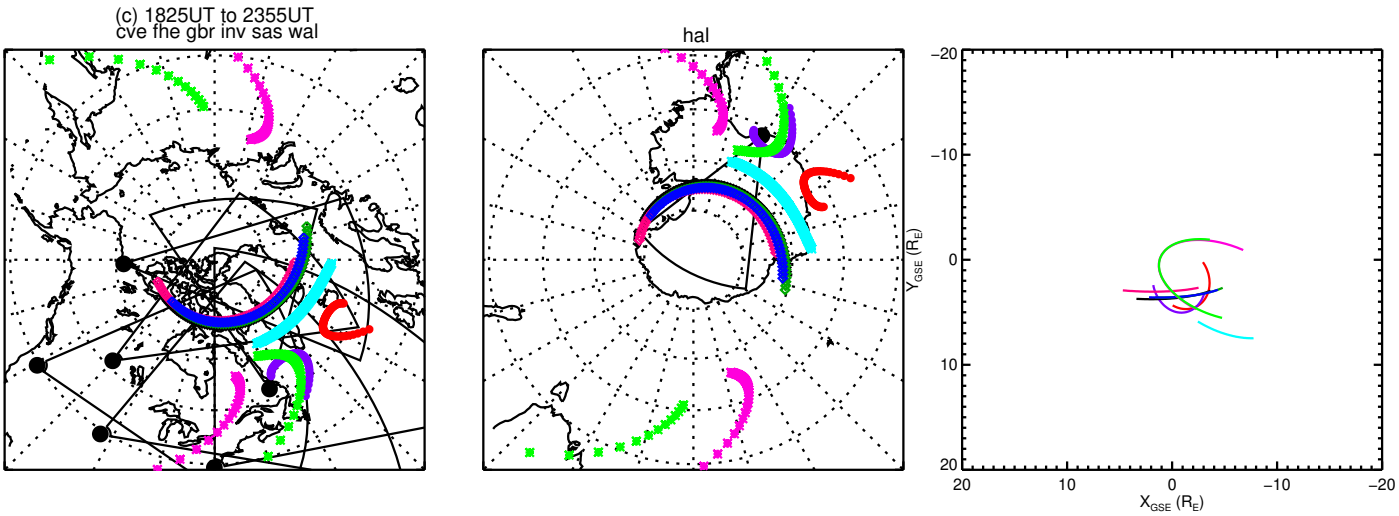
(b) 0925UT to 1500UT
adw hkw ksr pgr rkn



unw zho



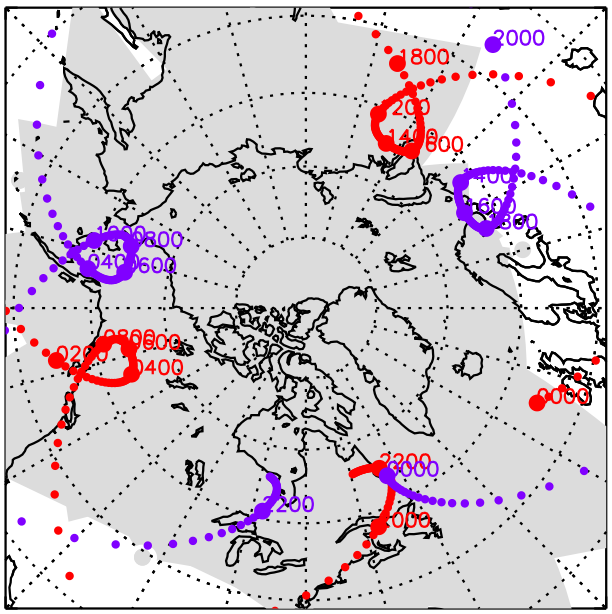


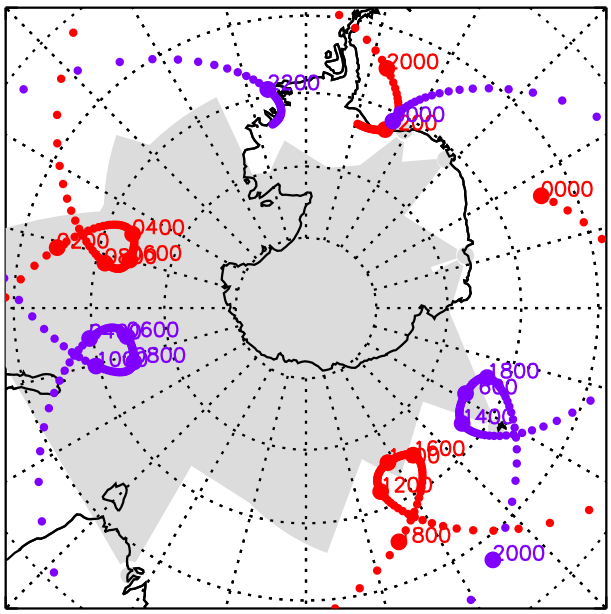

(c) 1825UT to 2355UT
cve fhe gbr inv sas wal
hal
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

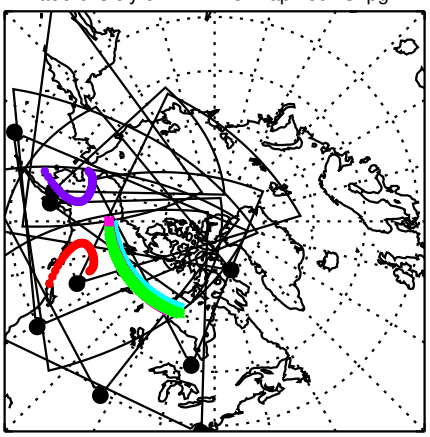
07–Mar–2017

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

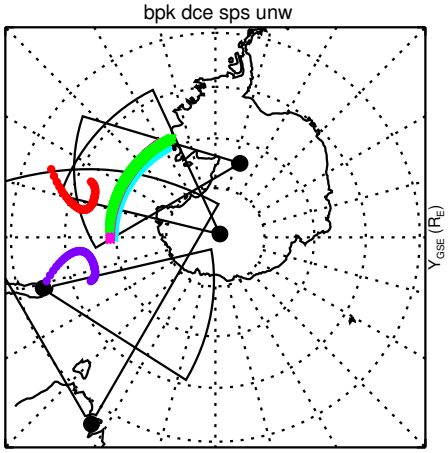


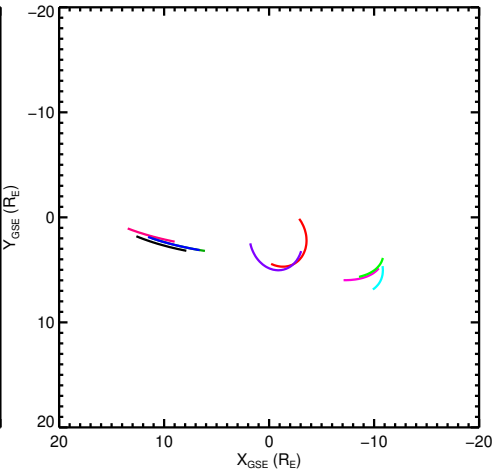


(a) 0330UT to 0855UT
ade bks cly cvw fhw hok kap kod ksr pgr

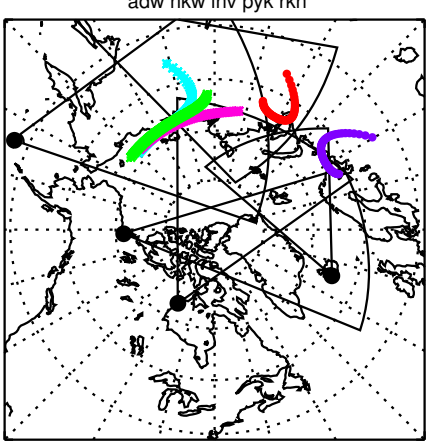


bpk dce sps unw

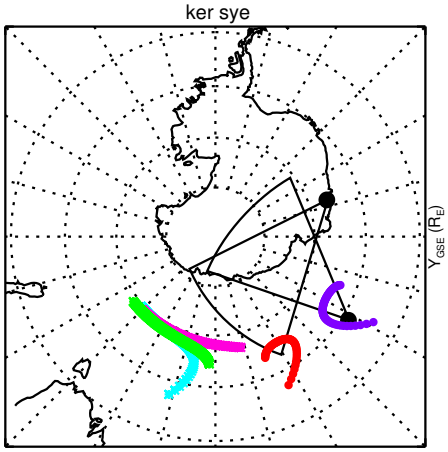


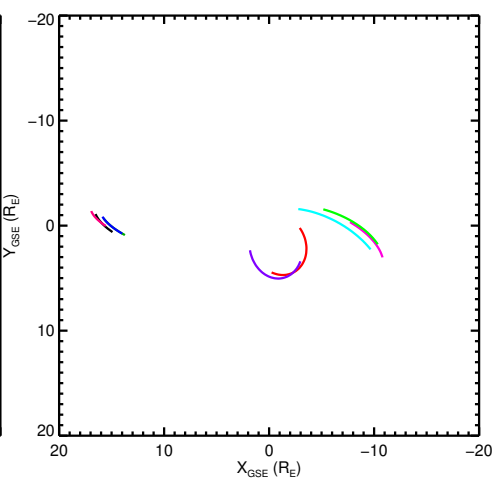


(b) 1230UT to 1750UT
adw hkw inv pyk rkn

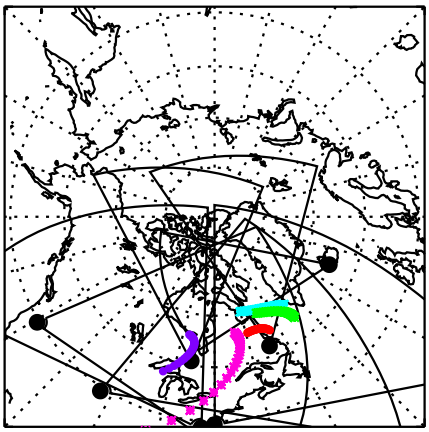


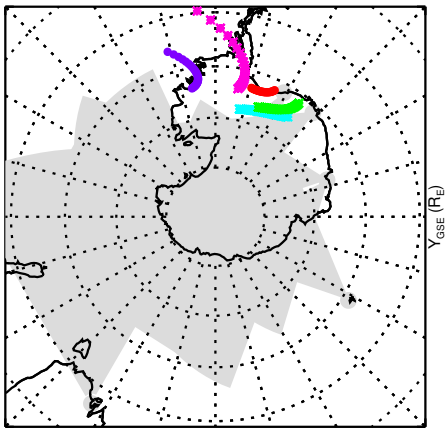
ker sye

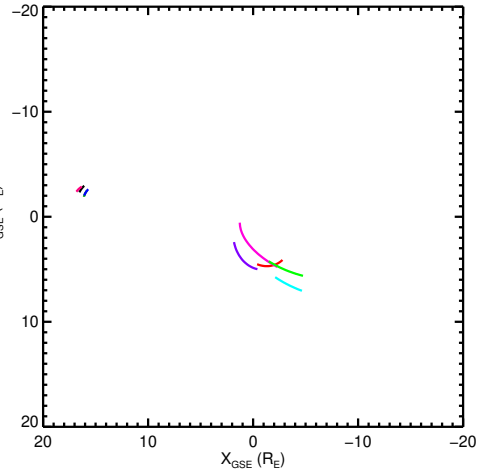




(c) 2135UT to 2355UT
bks cve fhe gbr kap sto wal



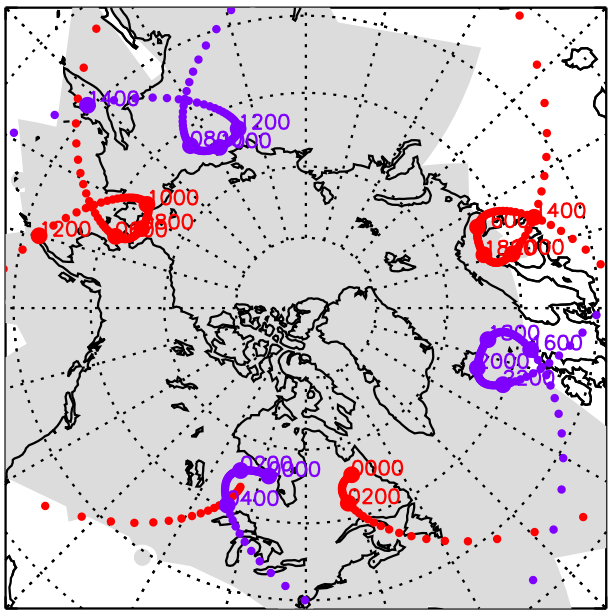


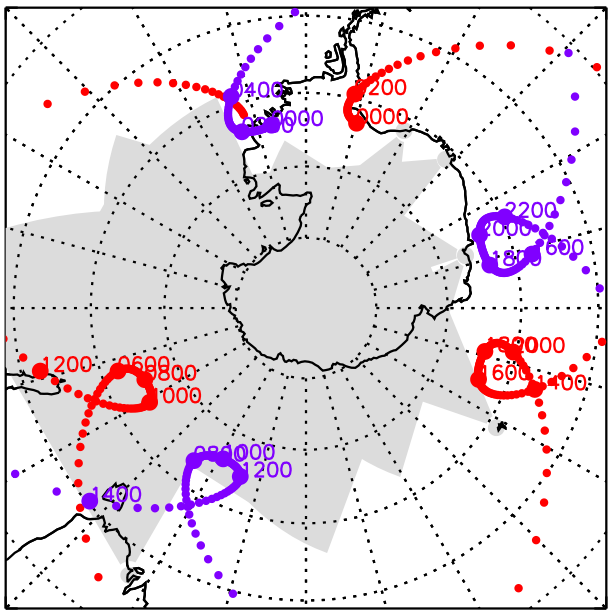


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

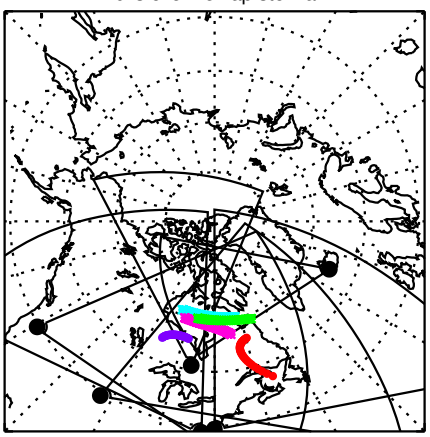
08–Mar–2017

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

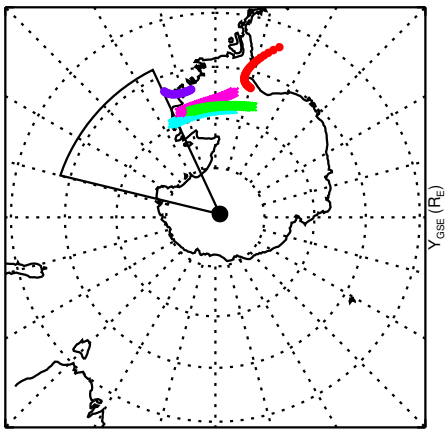


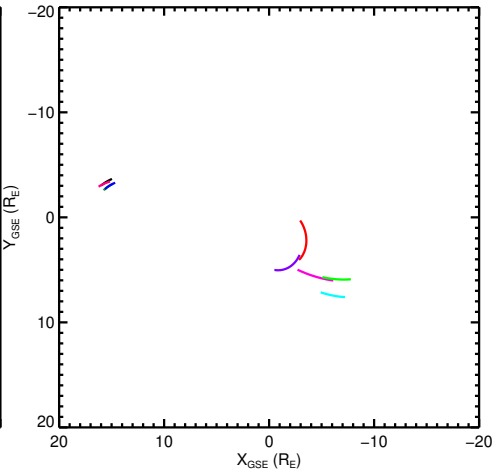


(a) 0000UT to 0245UT
bks cve fhe kap sto wal

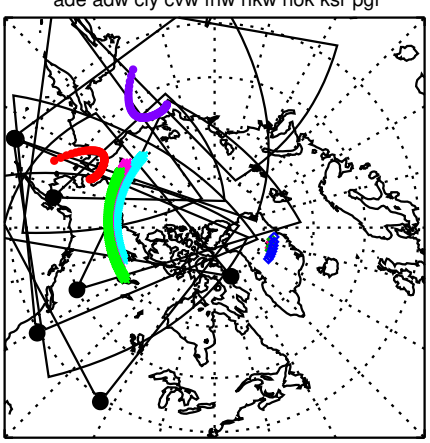


dce

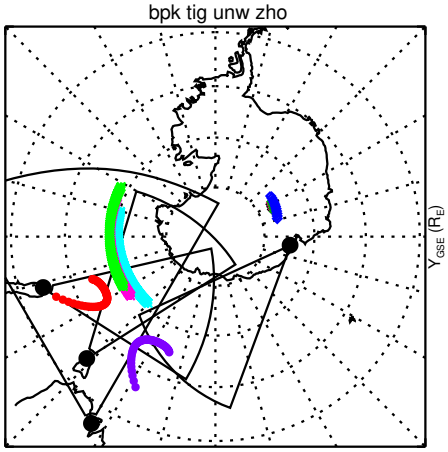


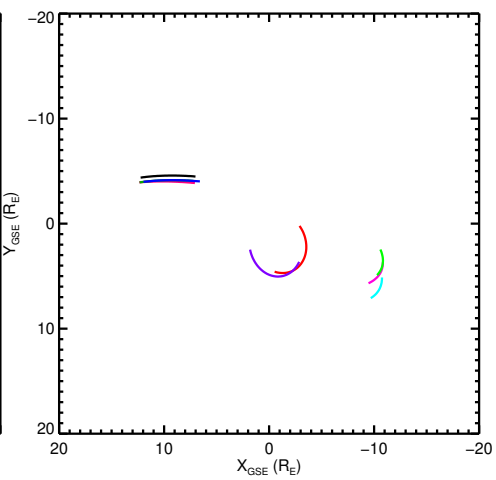


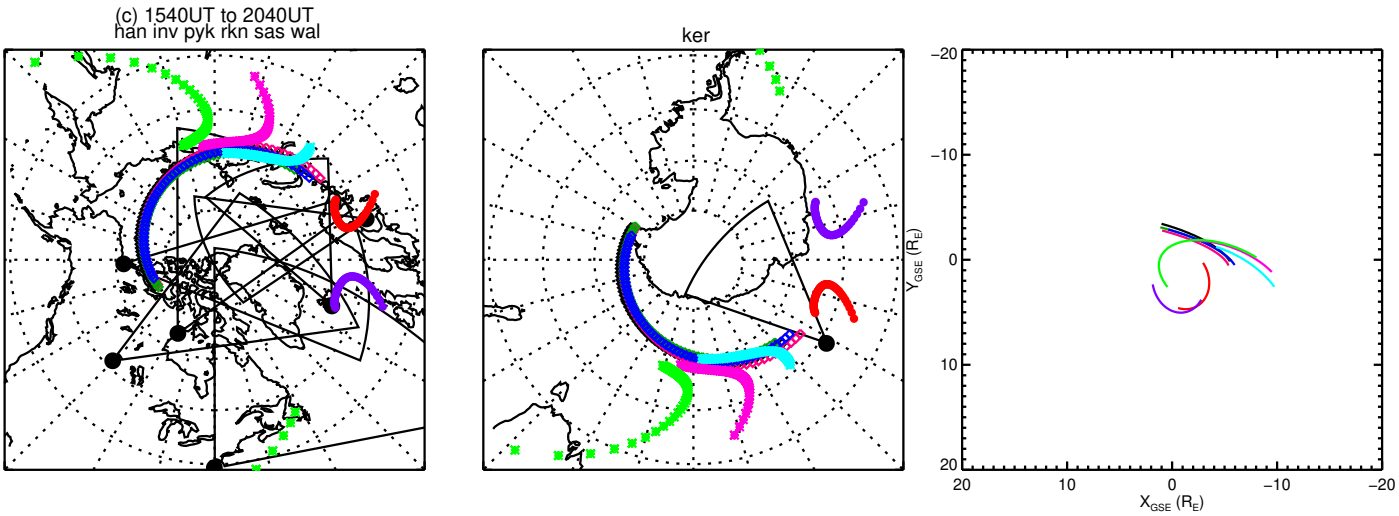
(b) 0640UT to 1145UT
ade adw cly cvw fhw hkw hok ksr pgr



bpk tig unw zho



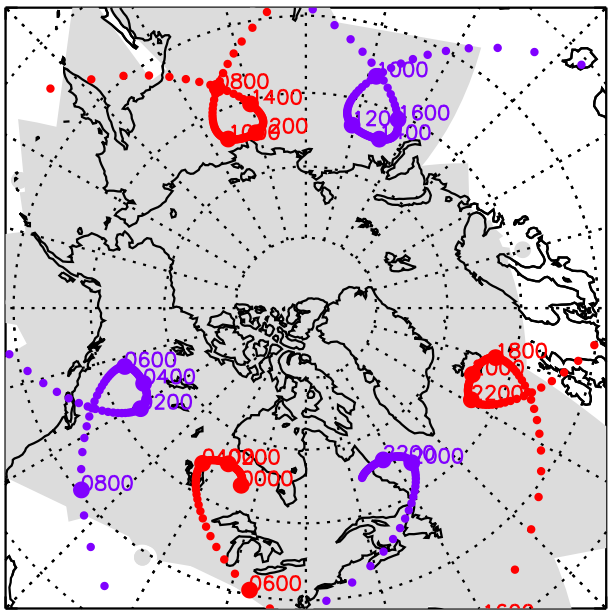


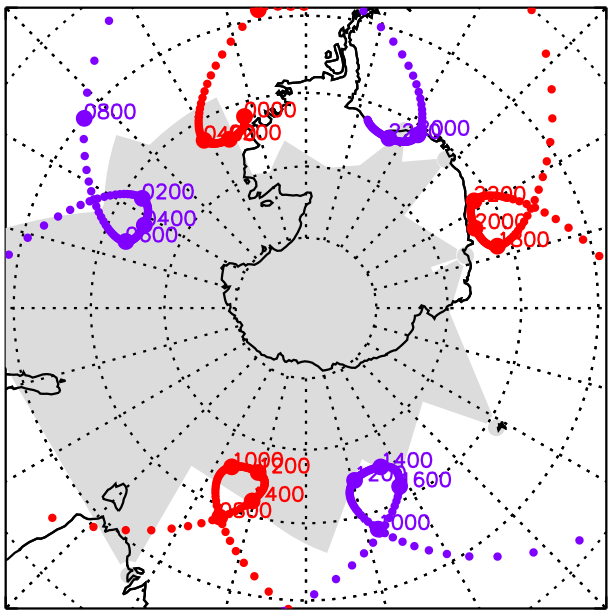

(c) 1540UT to 2040UT
han inv pyk rkn sas wal
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

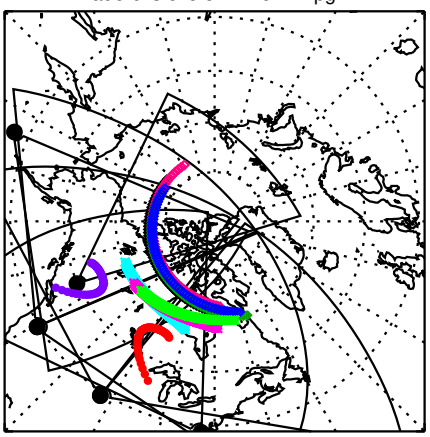
09–Mar–2017

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

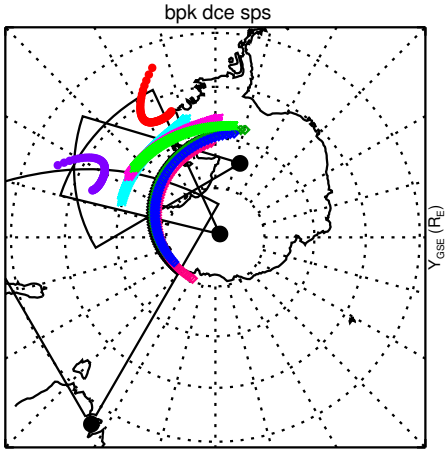


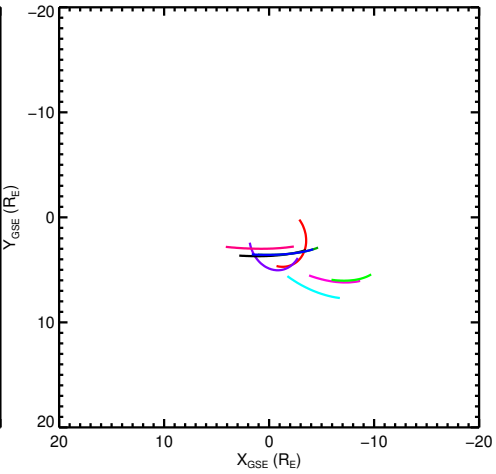


(a) 0045UT to 0540UT
ade bks cve cvw fhe fhw pgr

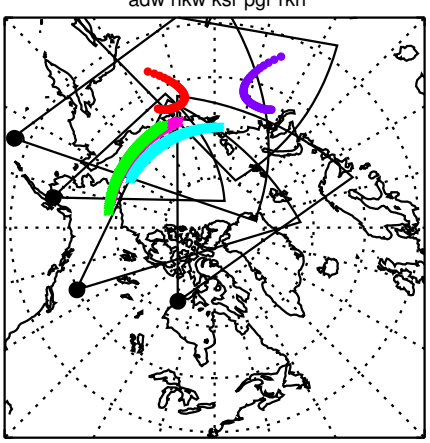


bpk dce sps

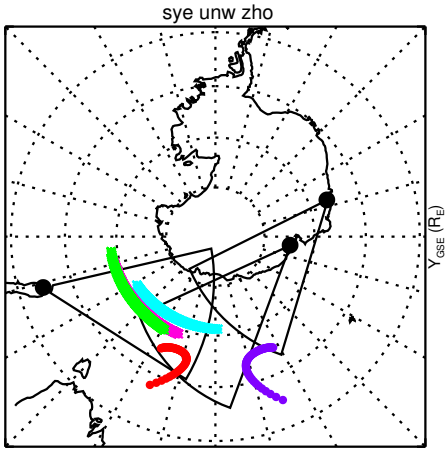


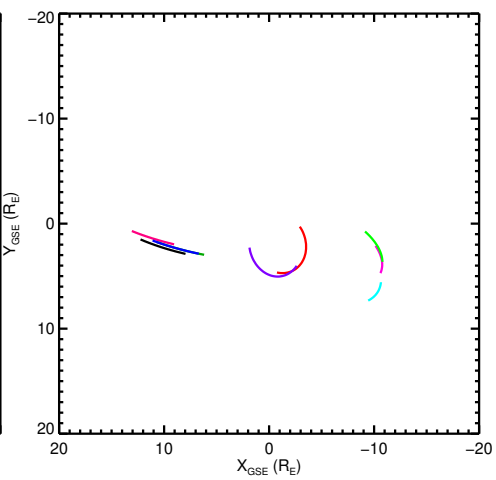


(b) 0945UT to 1435UT
adw hkw ksr pgr rkn

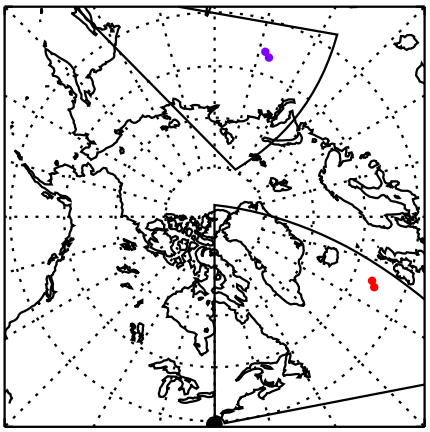


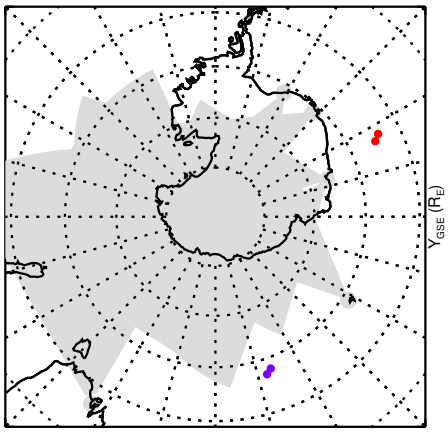
sye unw zho

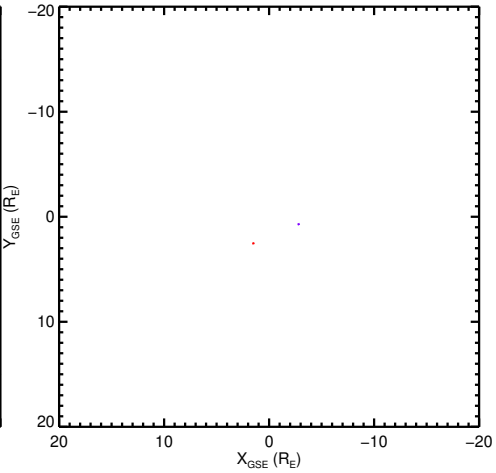




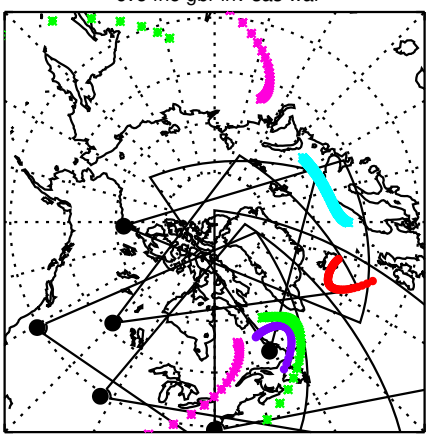
(c) 1640UT to 1645UT
hkw wal







(d) 1850UT to 2330UT
cve fhe gbr inv sas wal



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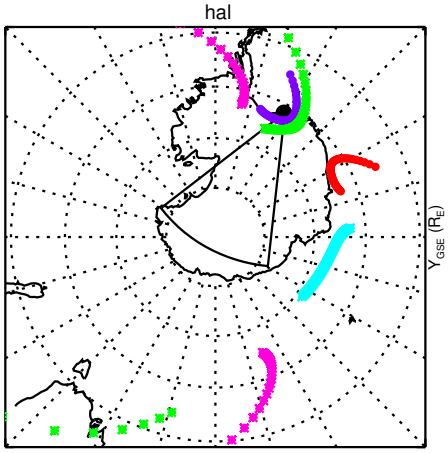
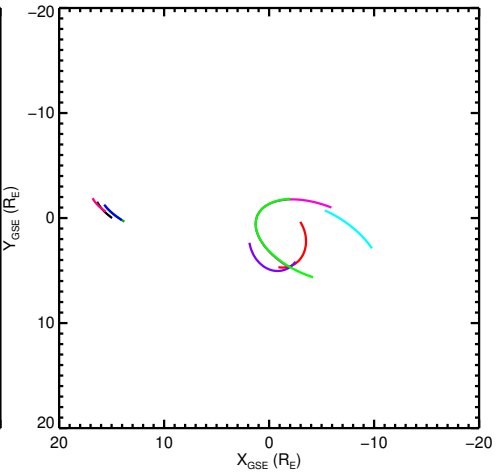
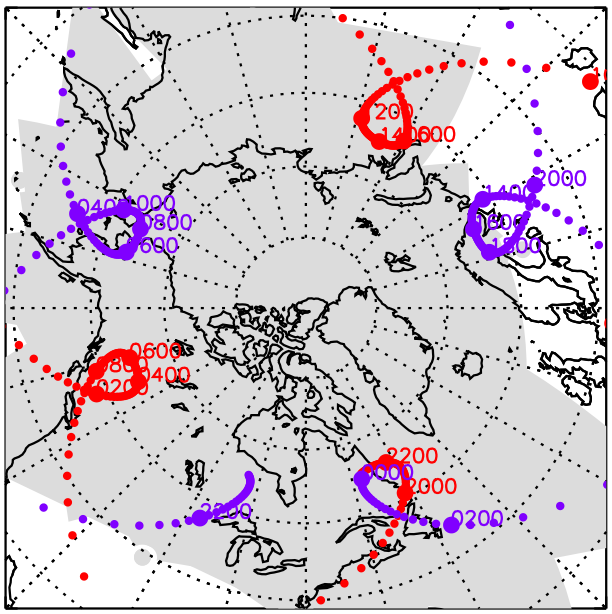


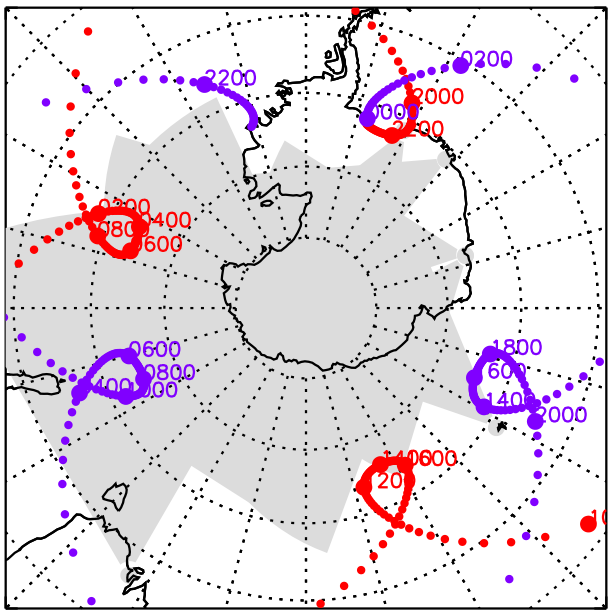


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

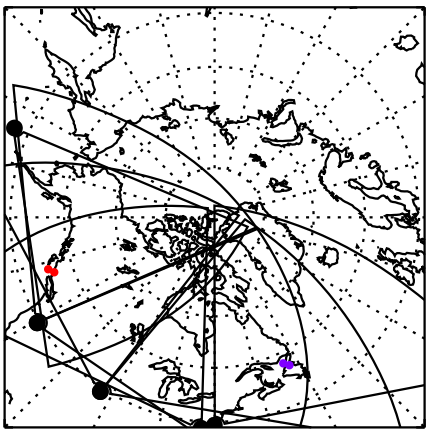
10–Mar–2017

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

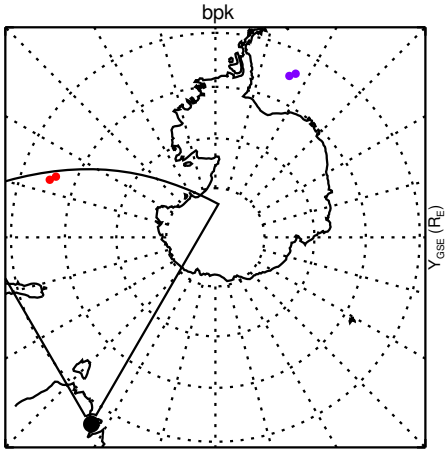


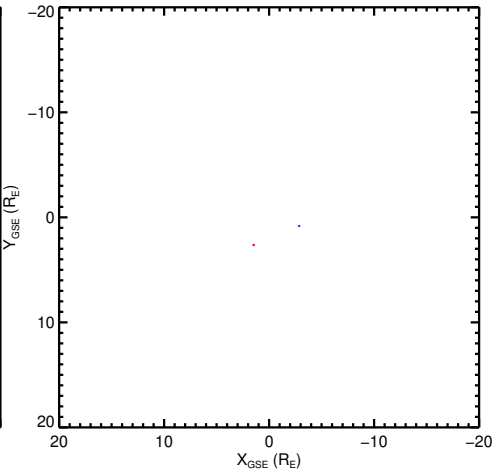


(a) 0140UT to 0145UT
ade bks cve cvw fhe fhw wal

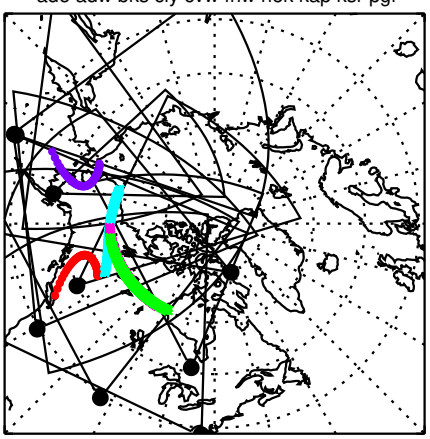


bpk

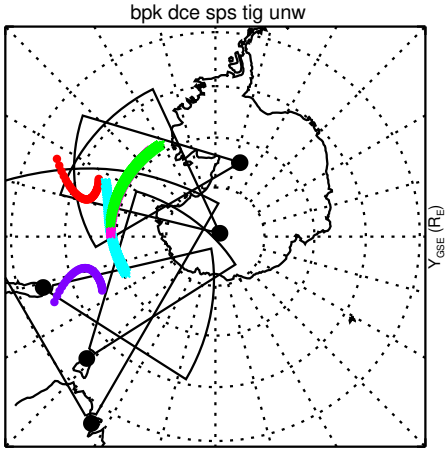


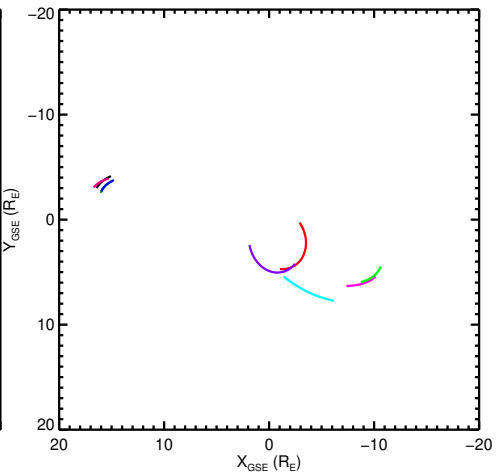


(b) 0355UT to 0830UT
ade adw bks cly cvw fhw hok kap ksr pgr



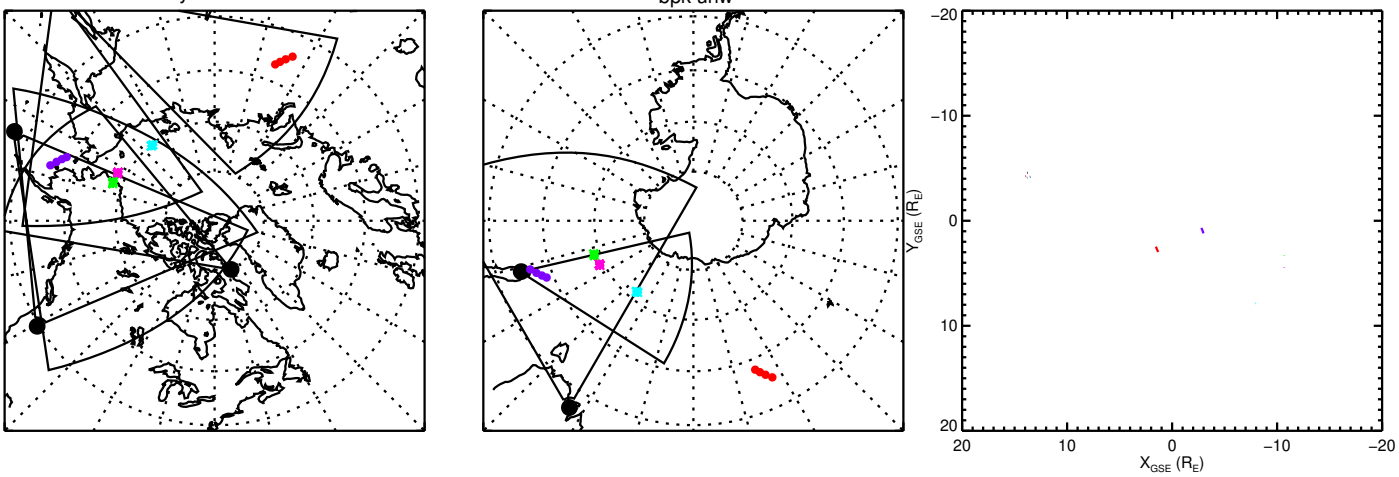
bpk dce sps tig unw





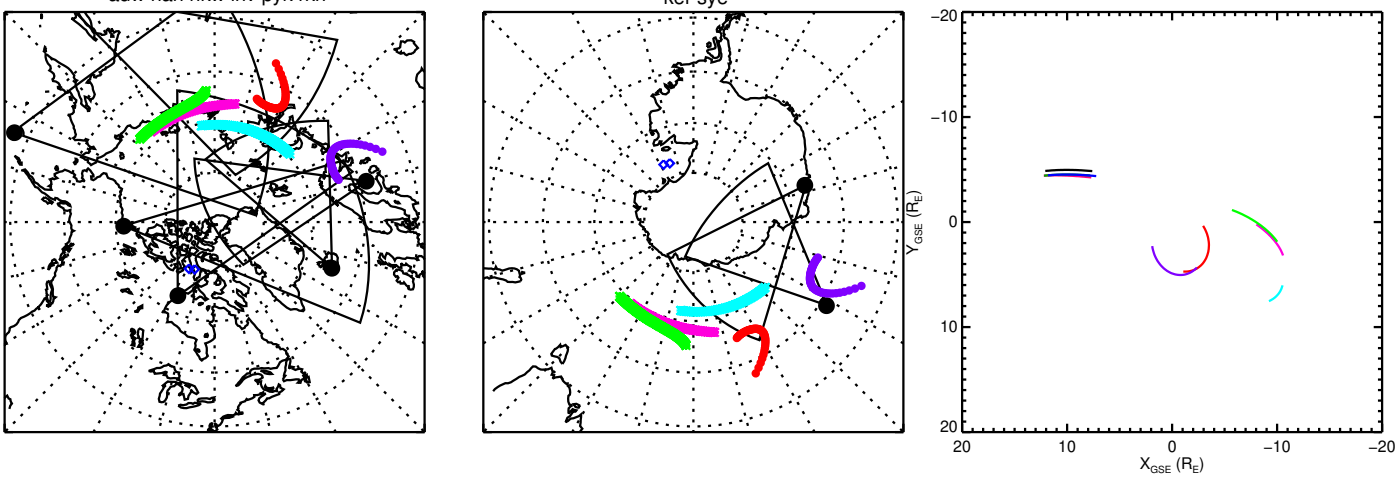
(c) 1035UT to 1050UT
ade cly cvw hkw hok

bpk unw

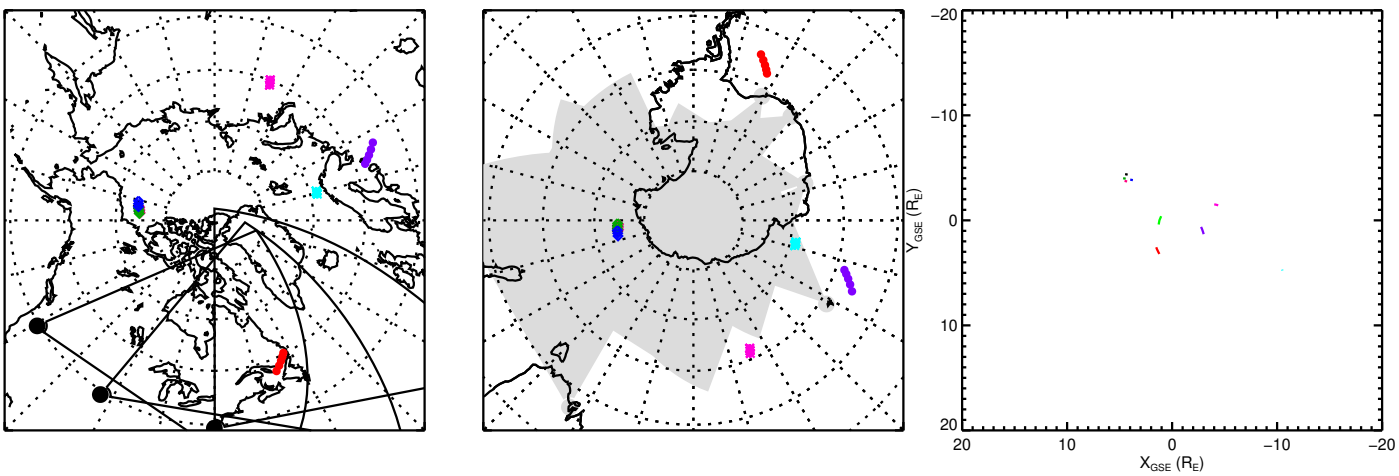


(d) 1255UT to 1725UT
adw han hkw inv pyk rkn

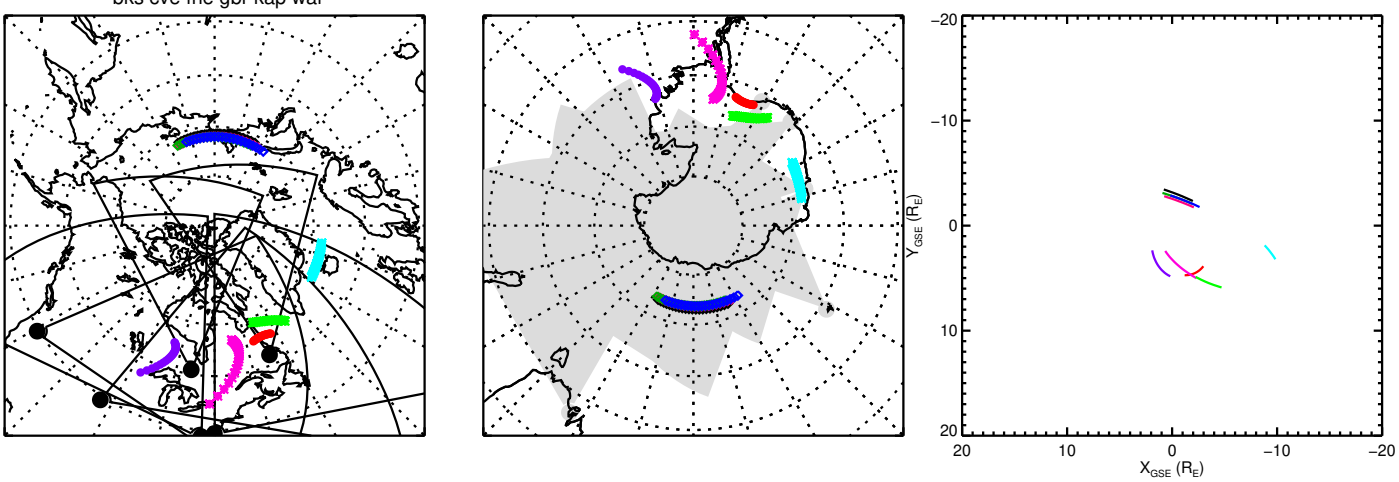
ker sye



(e) 1935UT to 1955UT
cve fhe wal



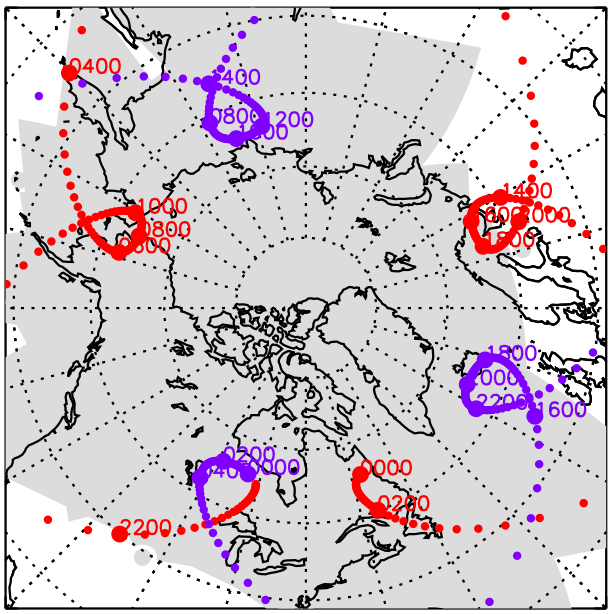
(f) 2200UT to 2355UT
bks cve fhe gbr kap wal

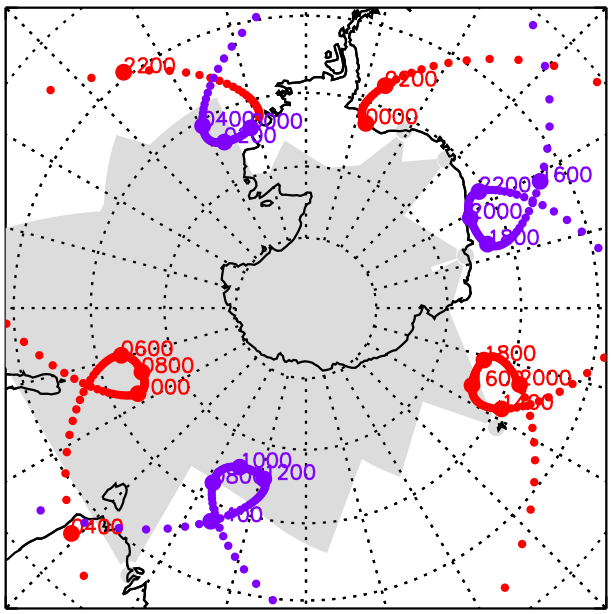


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

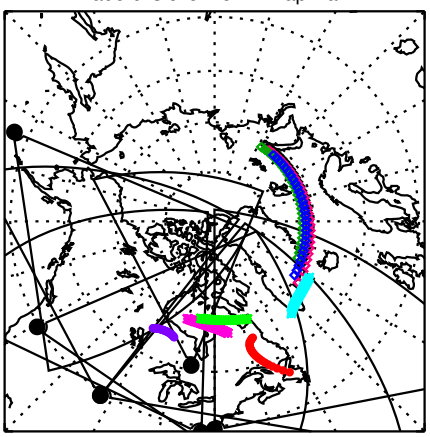
11–Mar–2017

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

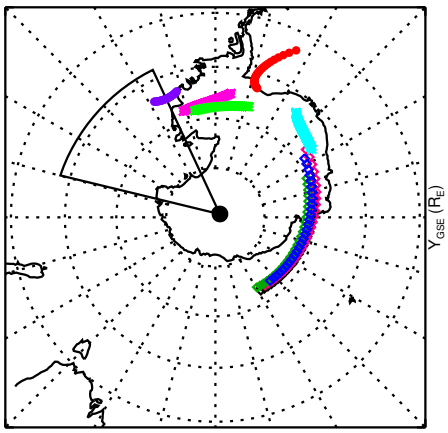


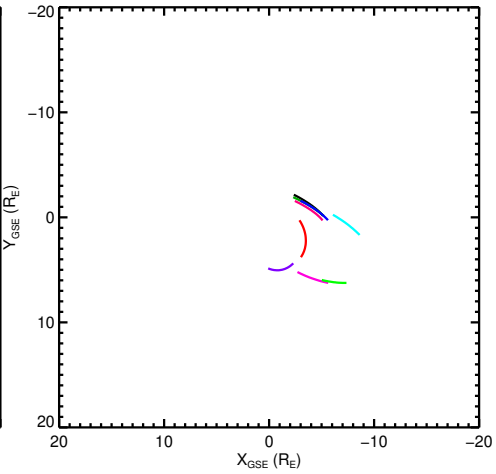


(a) 0000UT to 0225UT
ade bks cve fhe fhw kap wal

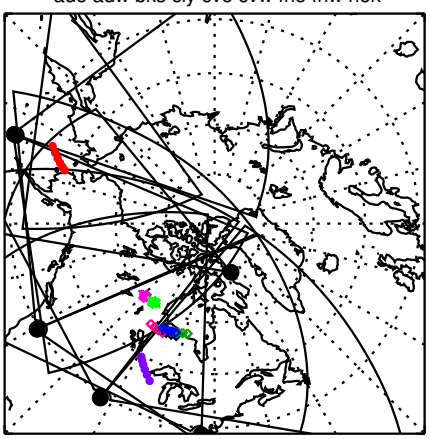


dce

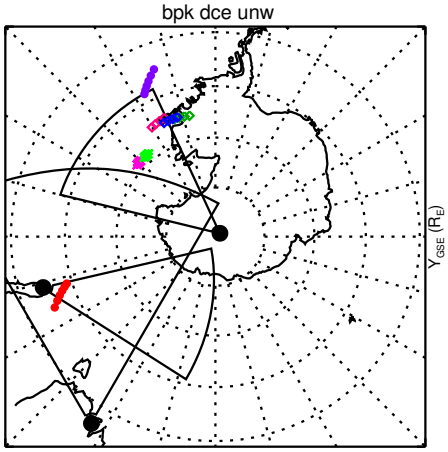


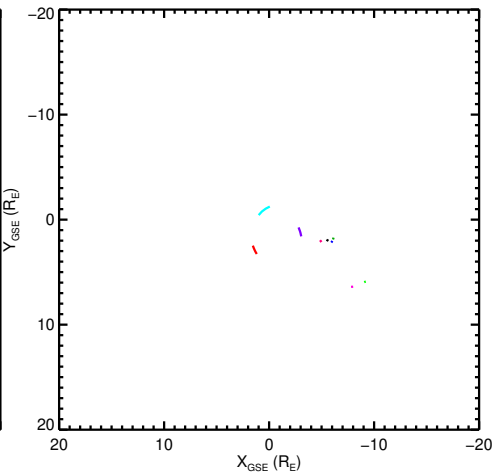


(b) 0430UT to 0455UT
ade adw bks cly cve cvw fhe fhw hok

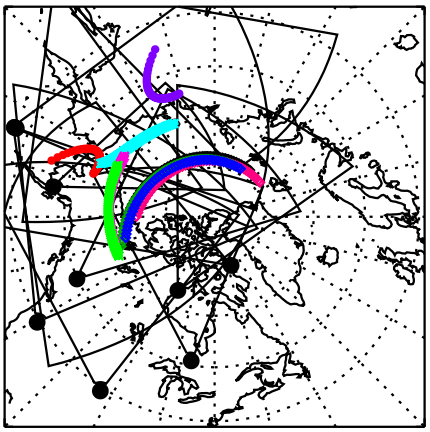


bpk dce unw

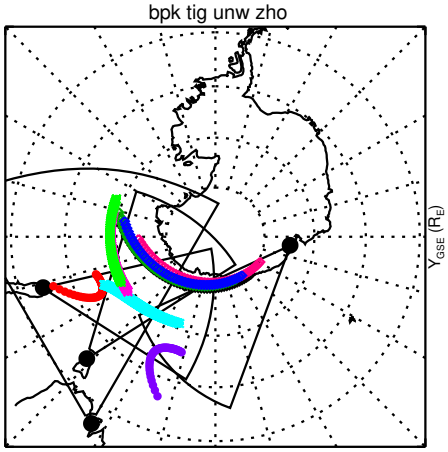


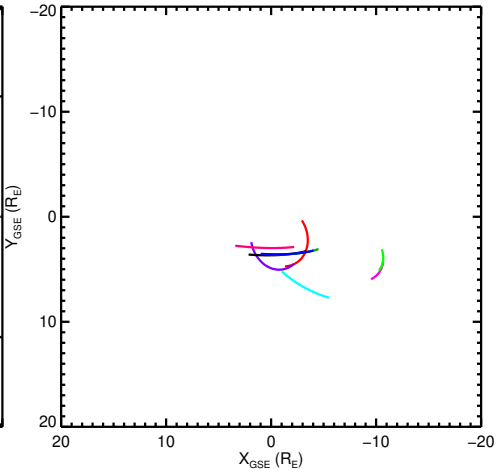


(c) 0705UT to 1120UT
ade adw cly cvw fhw hkw hok kap ksr pgr rkn

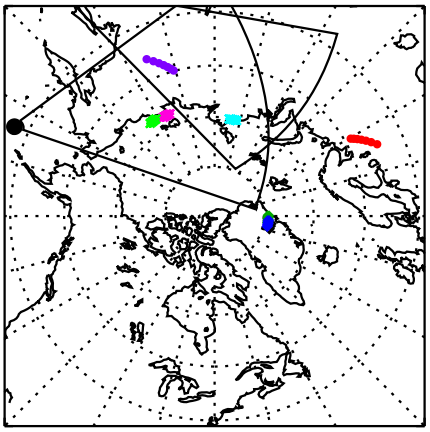


bpk tig unw zho

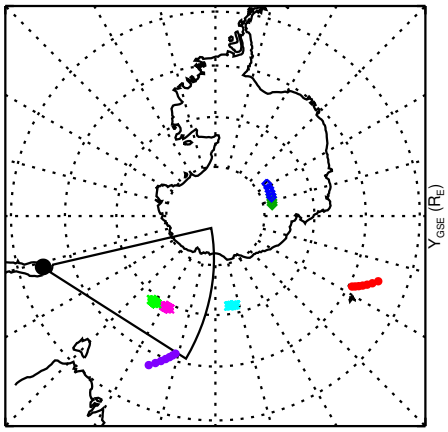


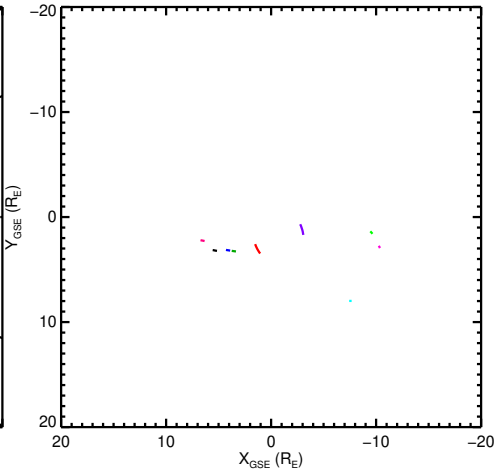


(d) 1330UT to 1400UT
adw hkw

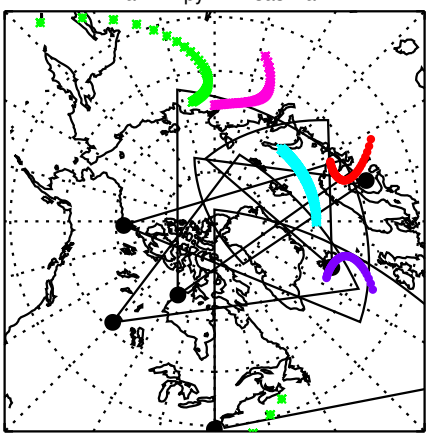


unw

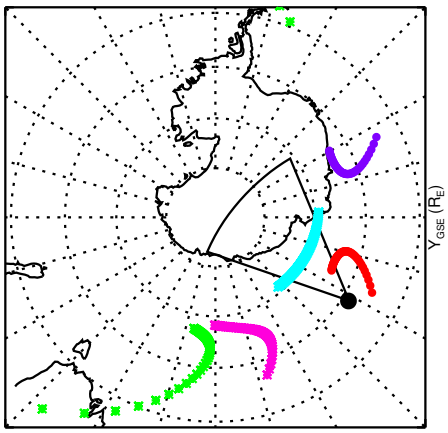


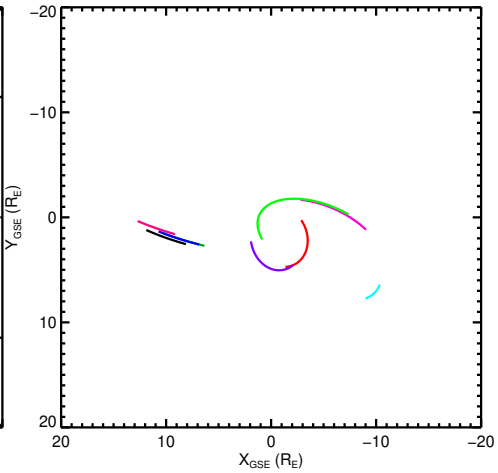


(e) 1605UT to 2020UT
han inv pyk rkn sas wal

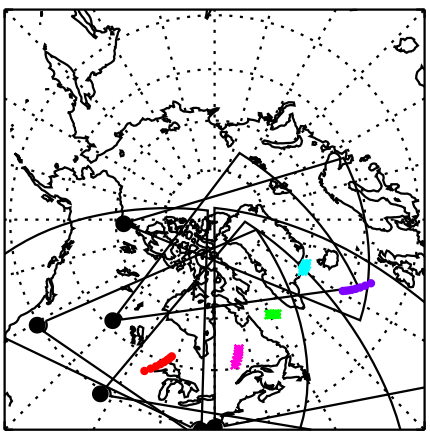


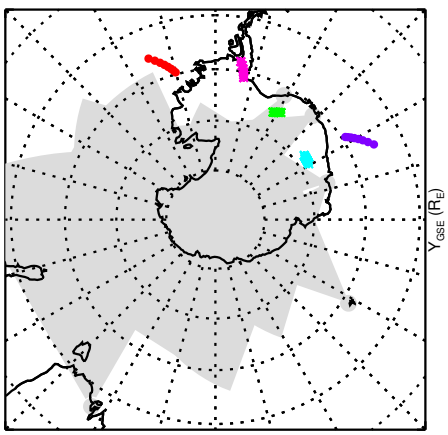
ker

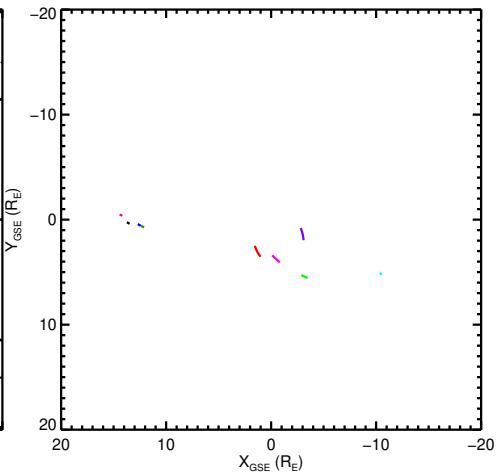




(f) 2225UT to 2300UT
bks cve fhe inv sas wal



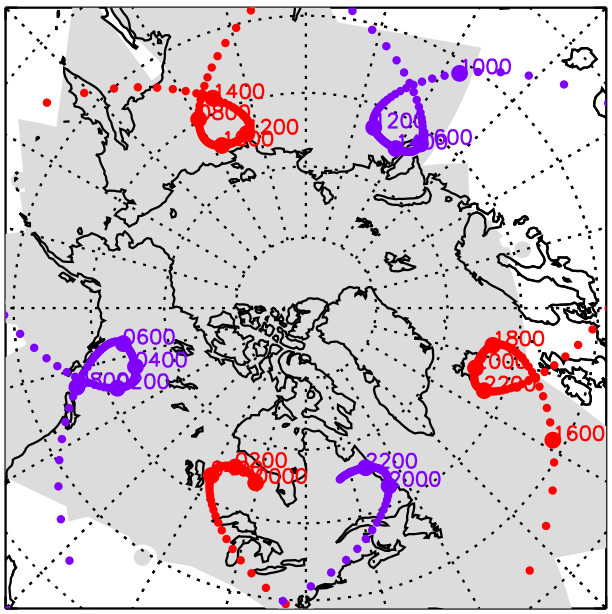


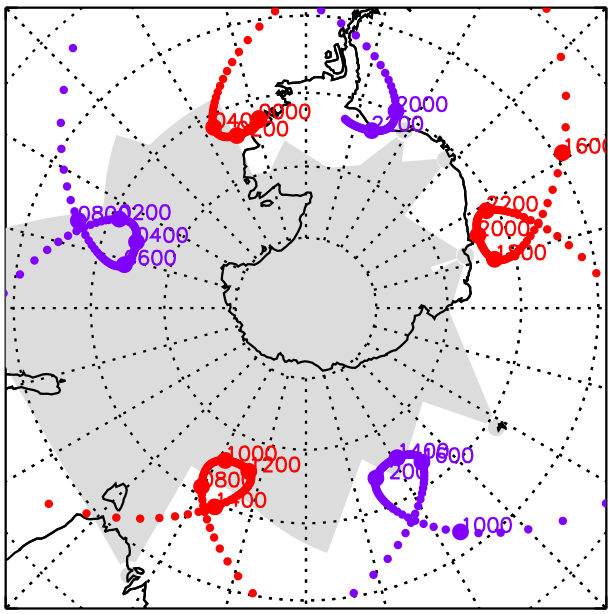


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

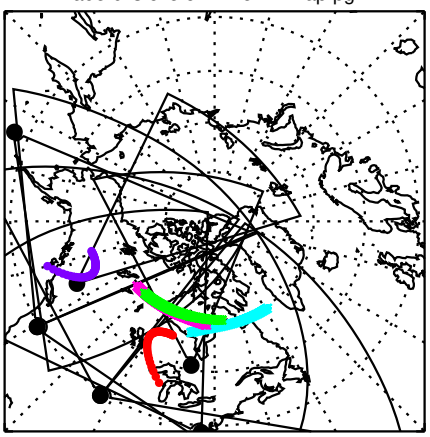
12–Mar–2017

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

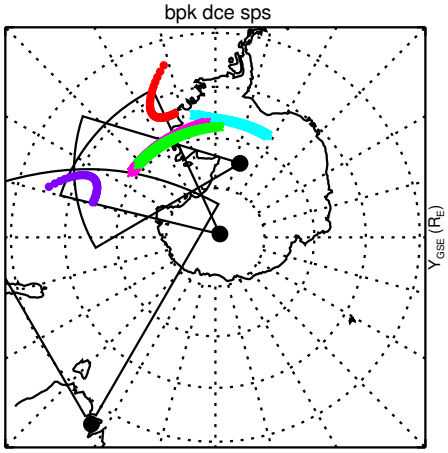


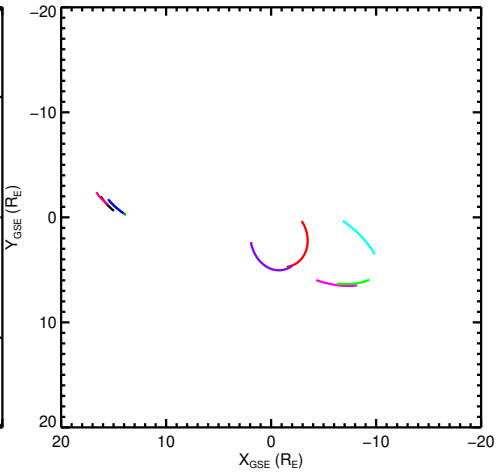


(a) 0110UT to 0515UT
ade bks cve cvw fhe fhw kap pgr

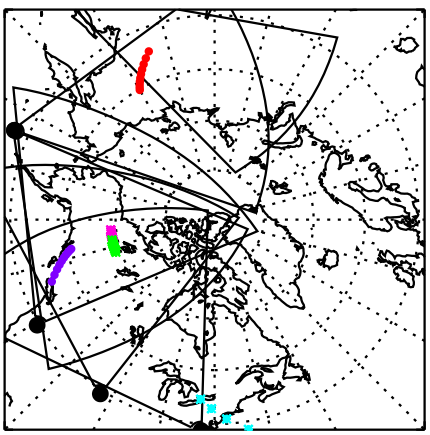


bpk dce sps

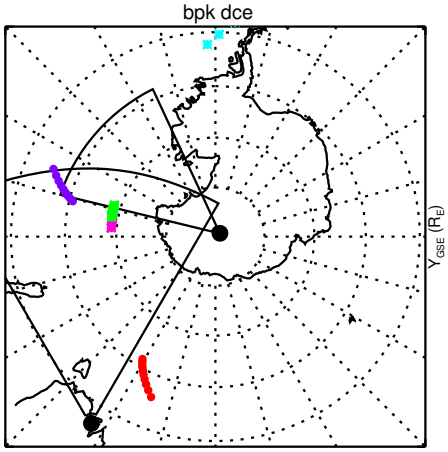


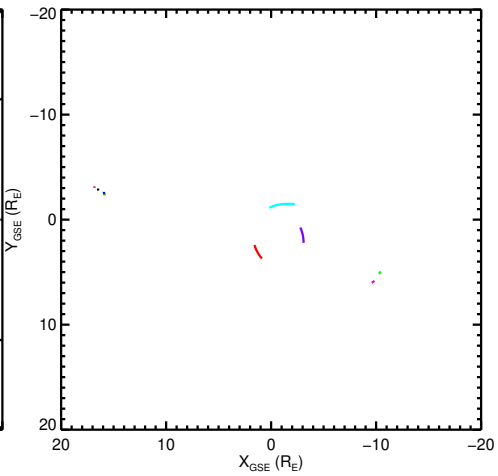


(b) 0720UT to 0805UT
ade adw bks cvw fhw hkw



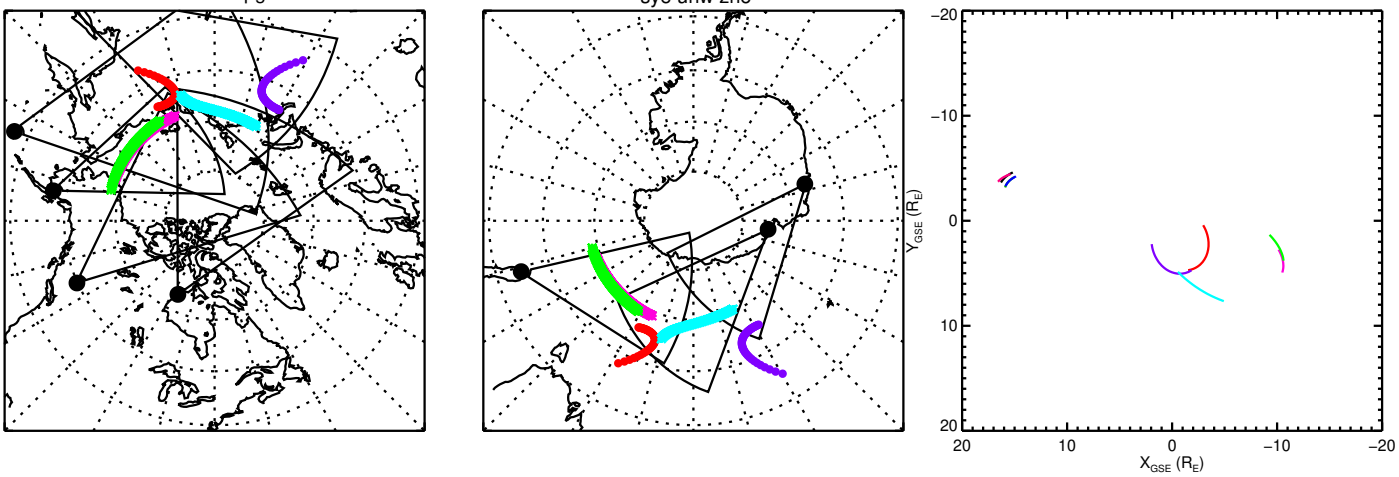
bpk dce



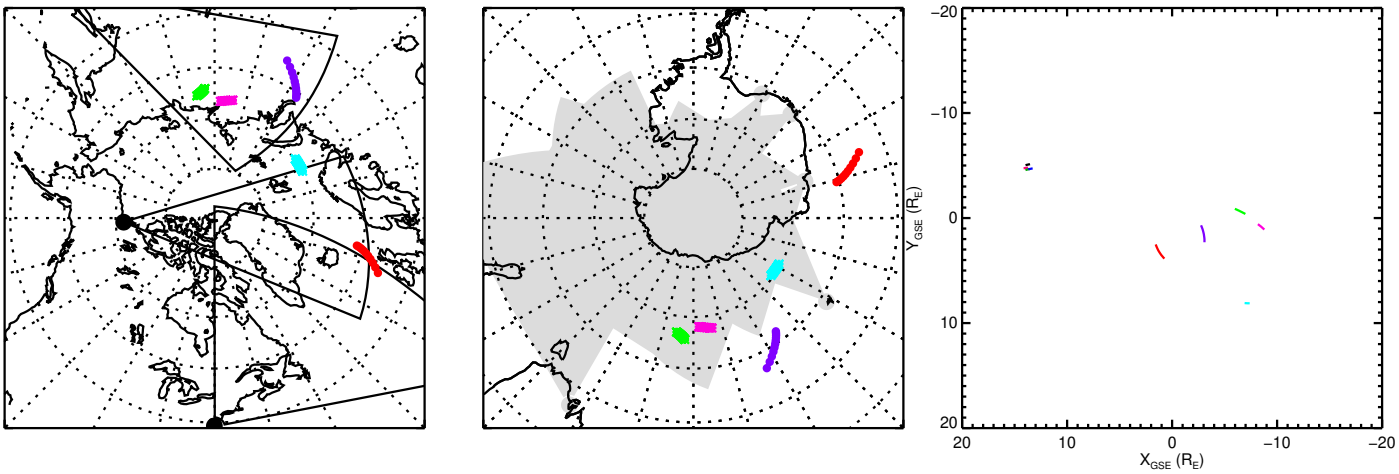


(c) 1010UT to 1410UT
adw hkw ksr pgr rkn

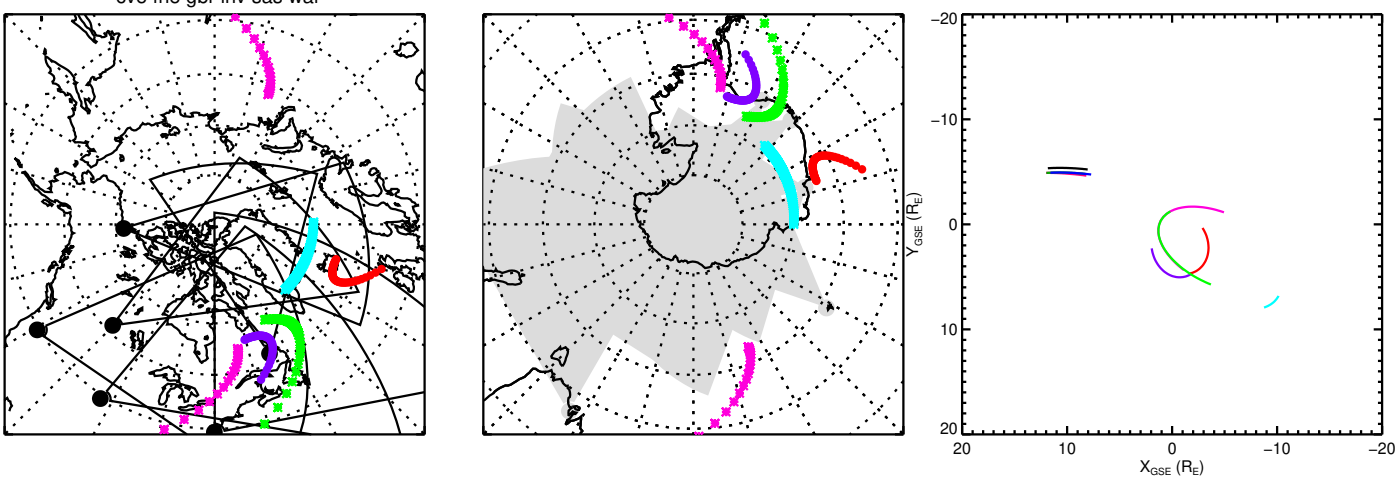
sye unw zho



(d) 1620UT to 1710UT
hkw inv wal



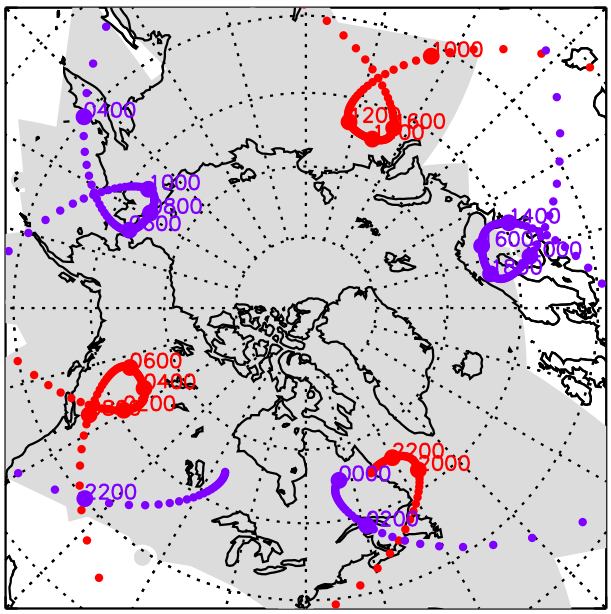
(e) 1915UT to 2310UT
cve fhe gbr inv sas wal

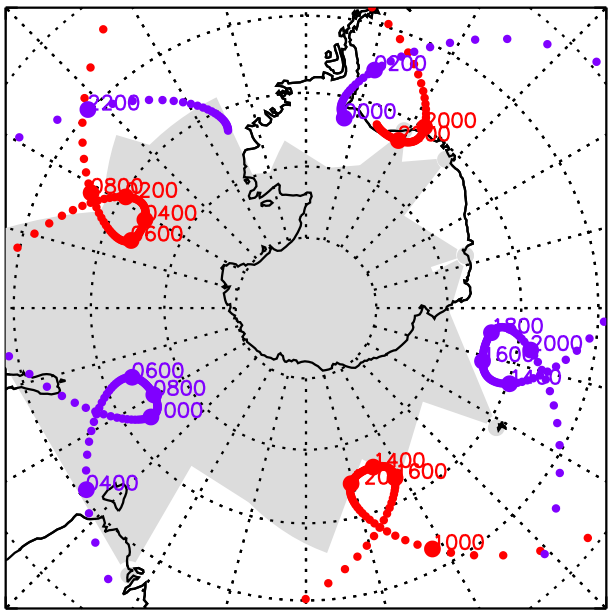


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

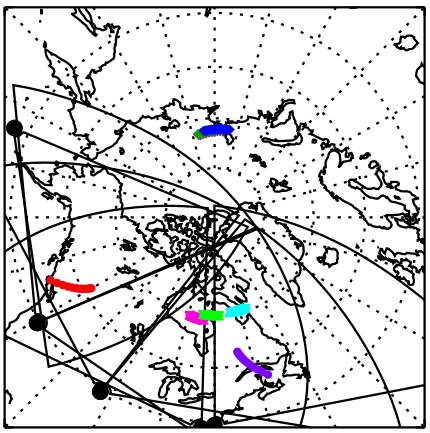
13–Mar–2017

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

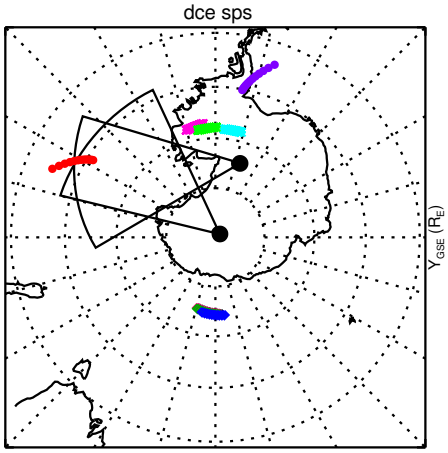


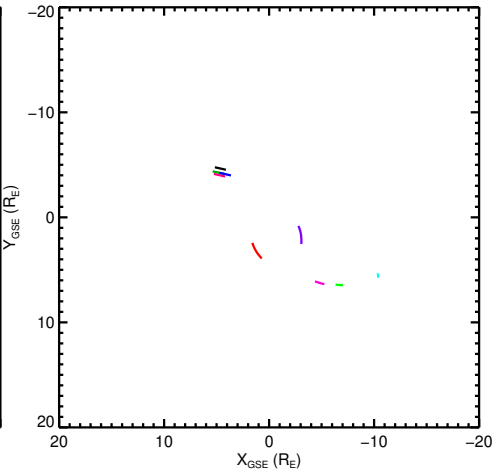


(a) 0115UT to 0210UT
ade bks cve cvw fhe fhw wal

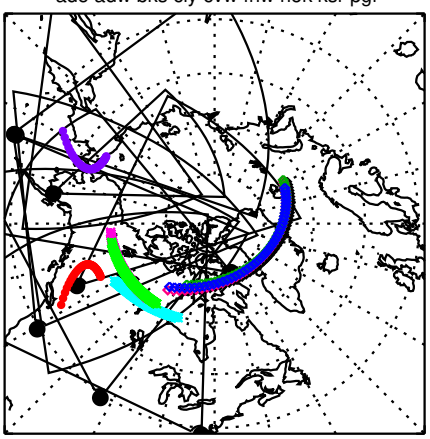


dce sps

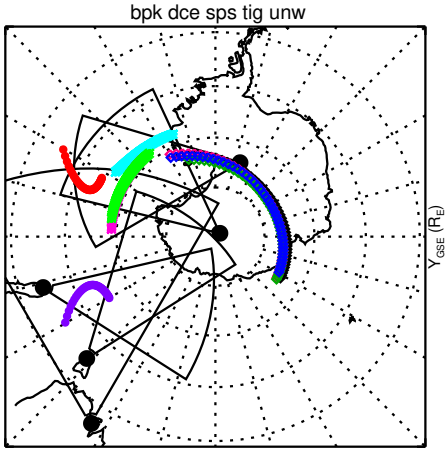


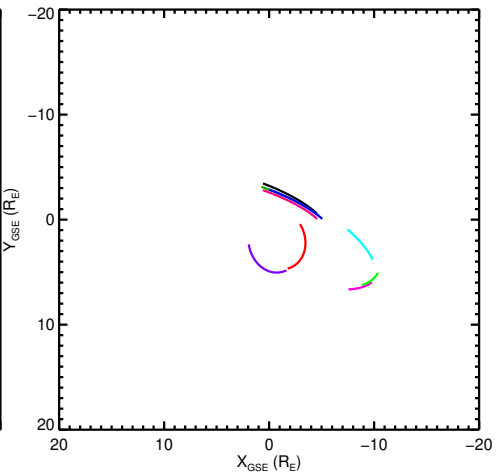


(b) 0420UT to 0805UT
ade adw bks cly cvw fhw hok ksr pgr

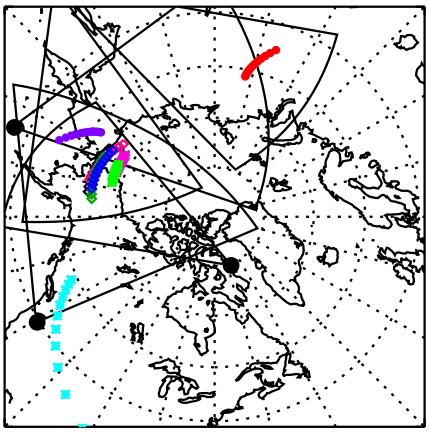


bpk dce sps tig unw

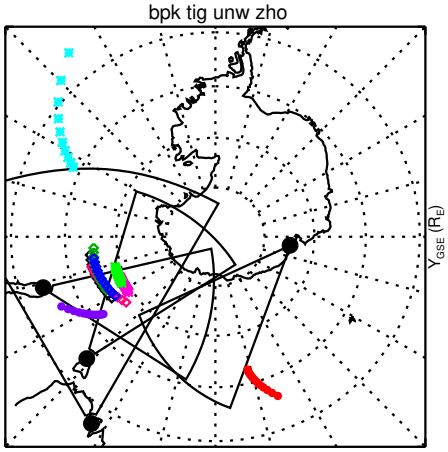


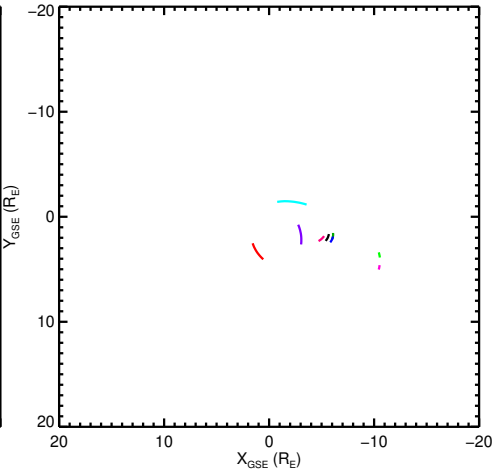


(c) 1015UT to 1115UT
adw cly cvw hkw hok

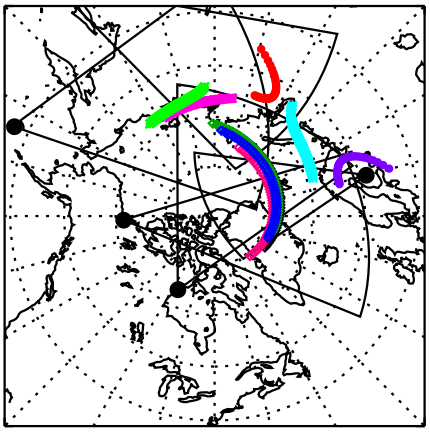


bpk tig unw zho

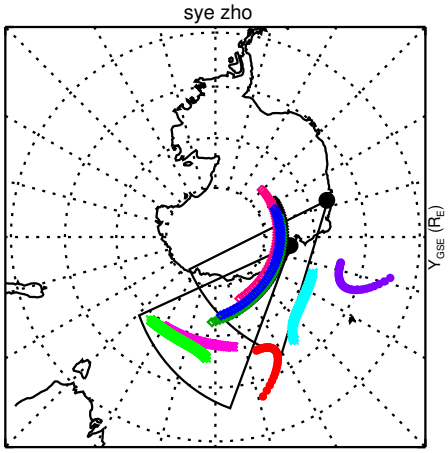


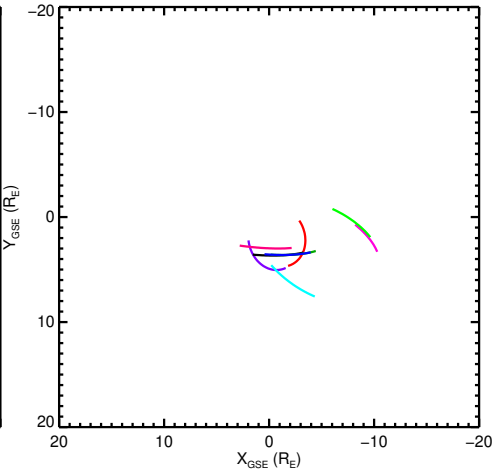


(d) 1320UT to 1705UT
adw han hkw inv rkn

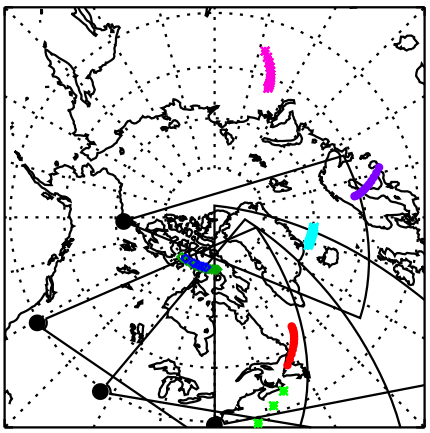


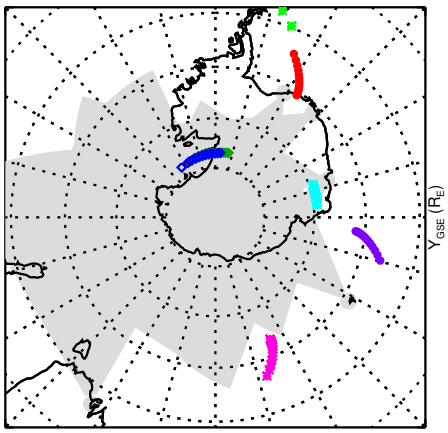
sye zho

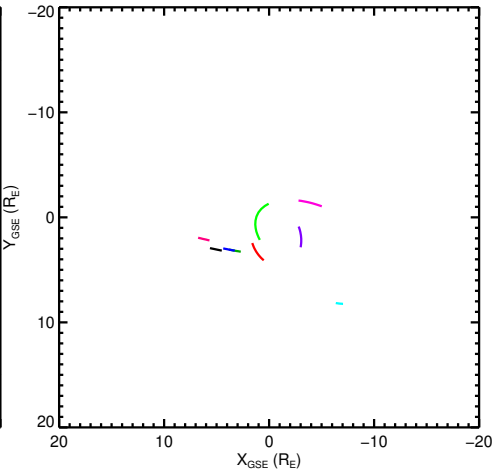




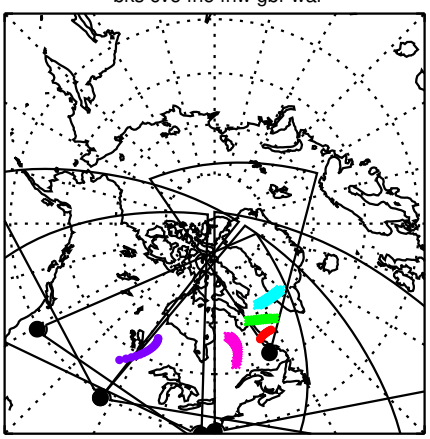
(e) 1910UT to 2015UT
cve fhe inv wal



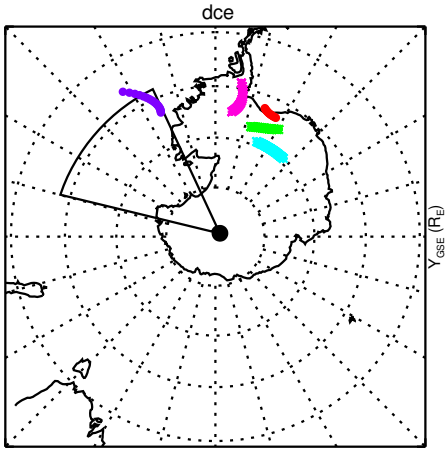


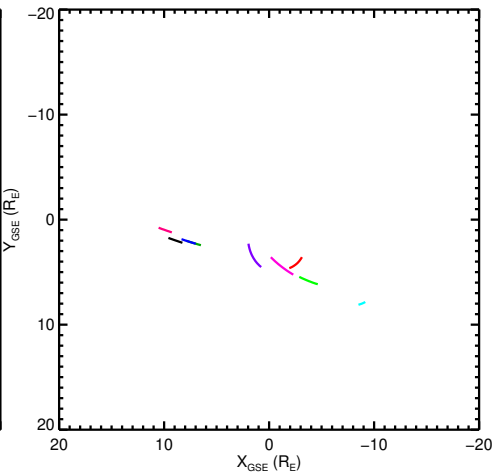


(f) 2225UT to 2355UT
bks cve fhe fhw gbr wal



dce

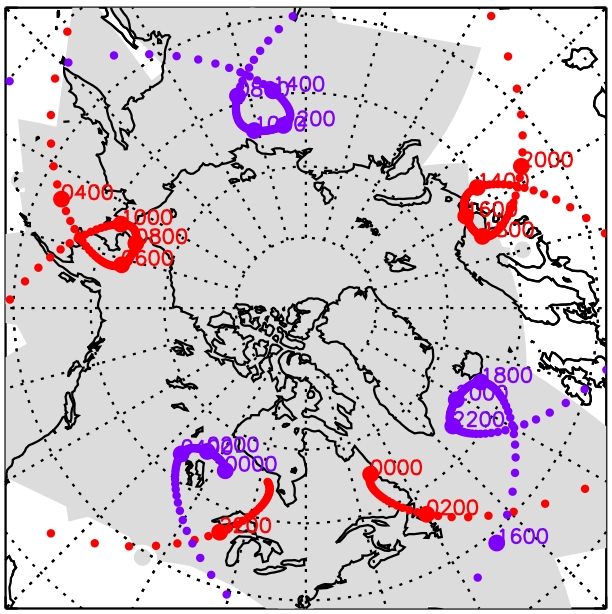


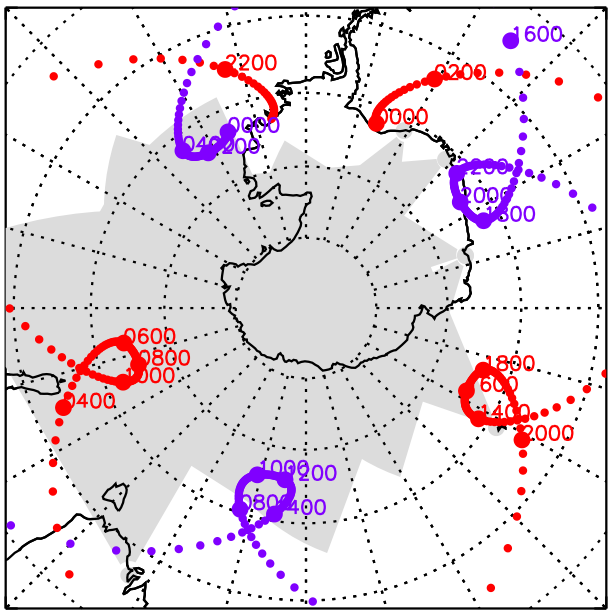


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

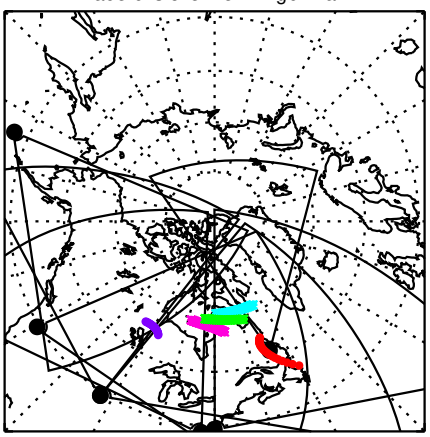
14–Mar–2017

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

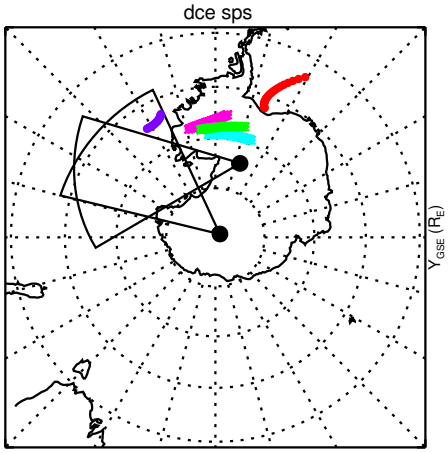


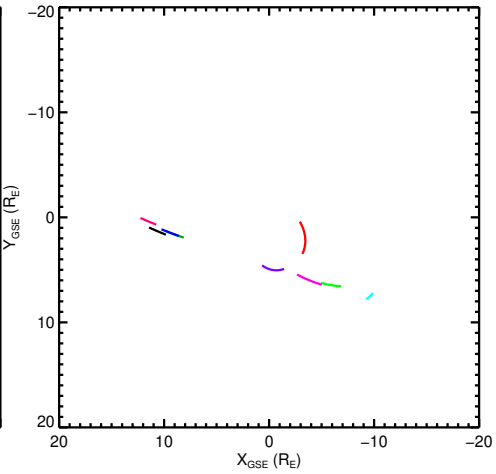


(a) 0000UT to 0200UT
ade bks cve fhe fhw gbr wal

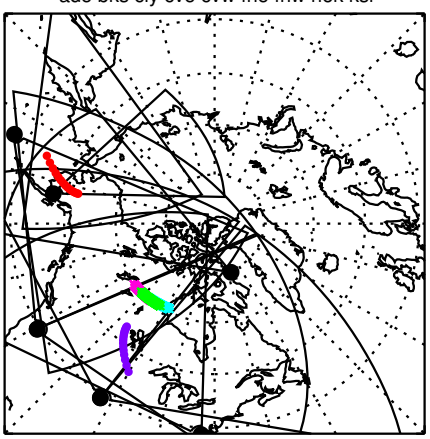


dce sps

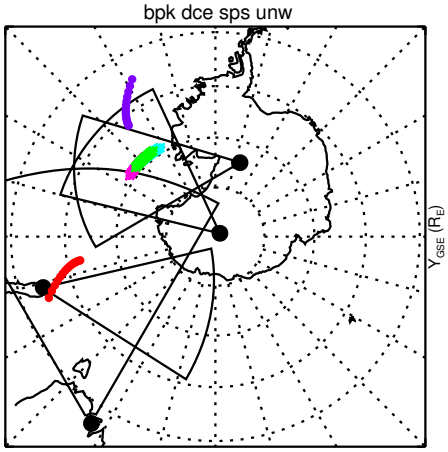


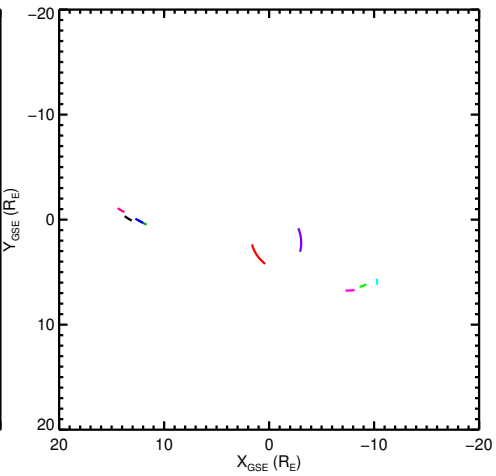


(b) 0405UT to 0520UT
ade bks cly cve cvw fhe fhw hok ksr

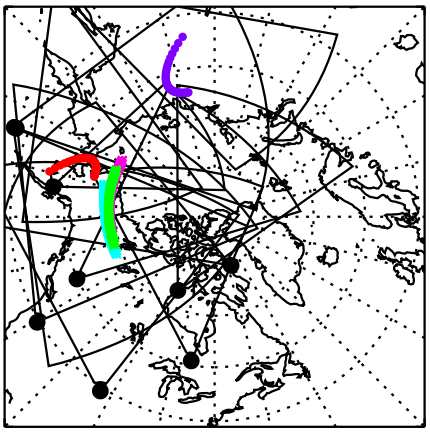


bpk dce sps unw

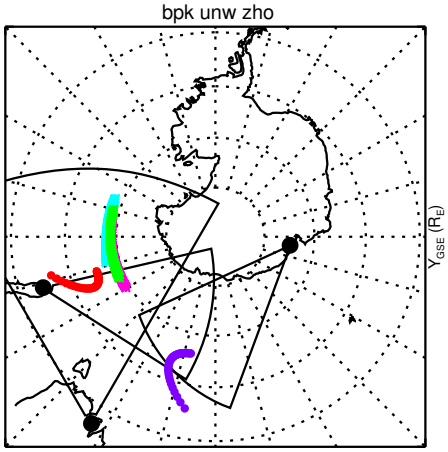


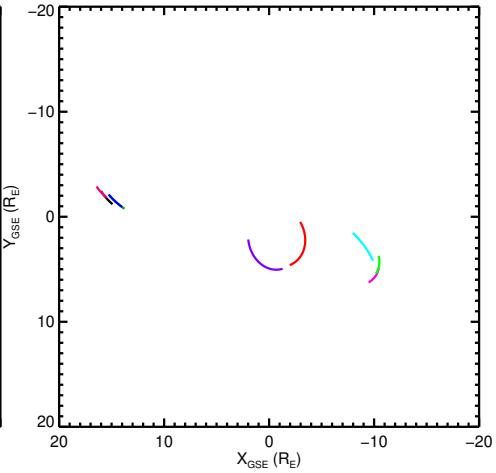


(c) 0725UT to 1055UT
ade adw cly cvw fhw hkw hok kap ksr pgr rkn

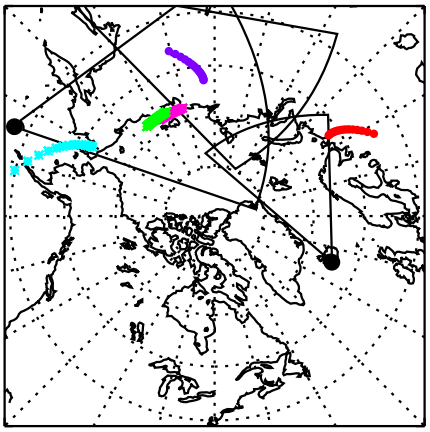


bpk unw zho

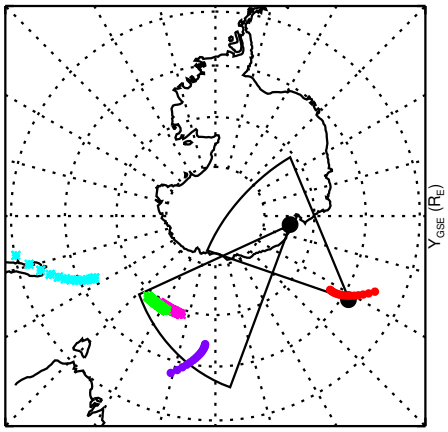


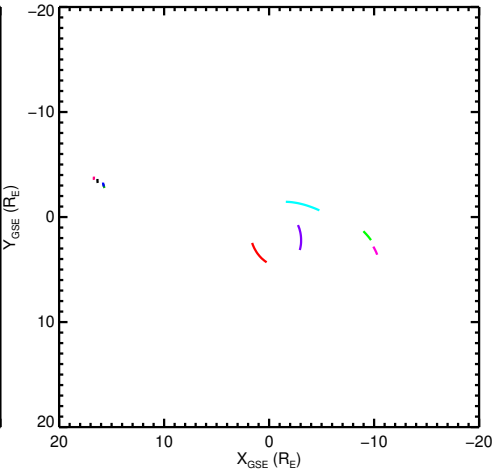


(d) 1305UT to 1425UT
adw hkw pyk

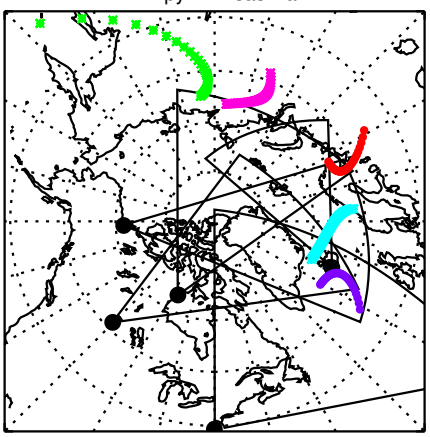


ker zho

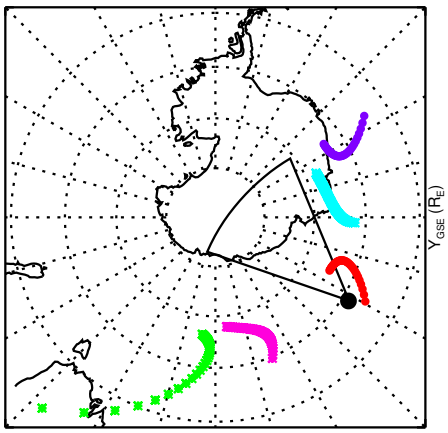


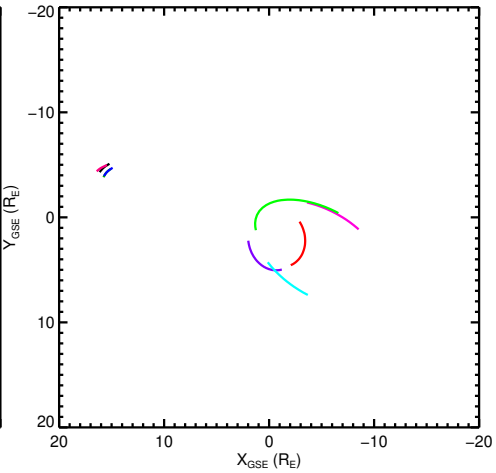


(e) 1630UT to 1955UT
inv pyk rkn sas wal

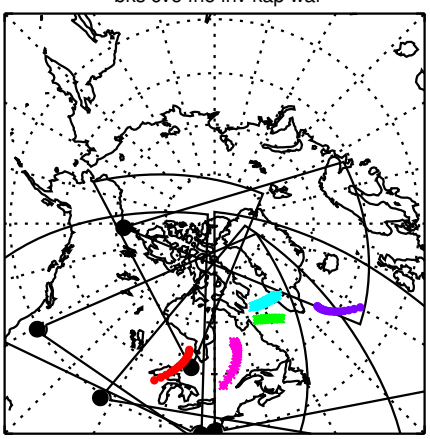


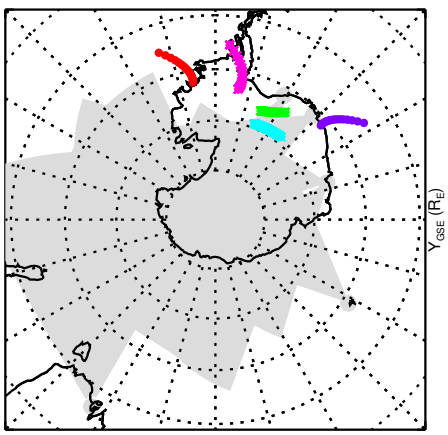
ker

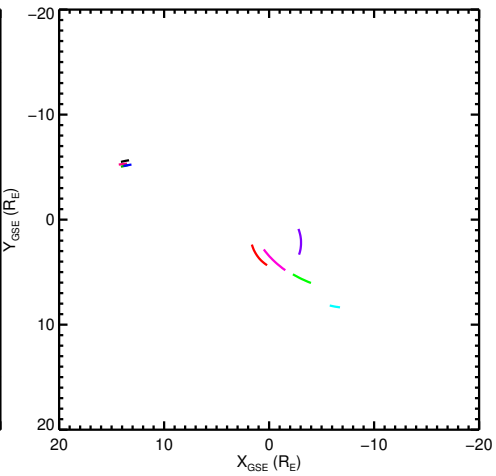




(f) 2200UT to 2325UT
bks cve fhe inv kap wal



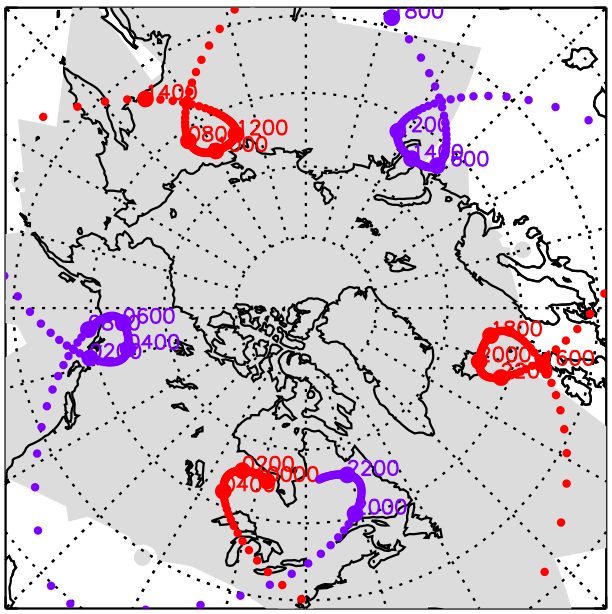


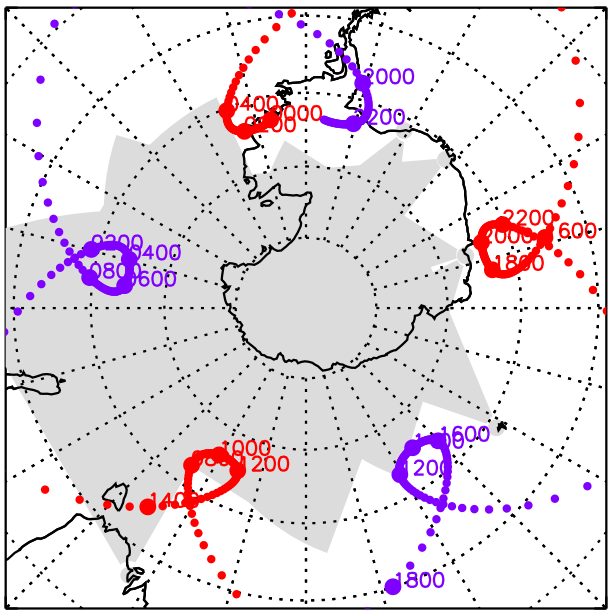


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

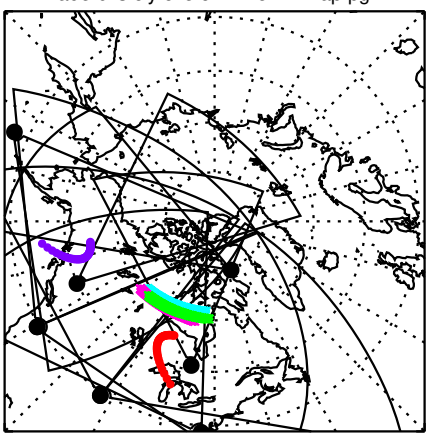
15–Mar–2017

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

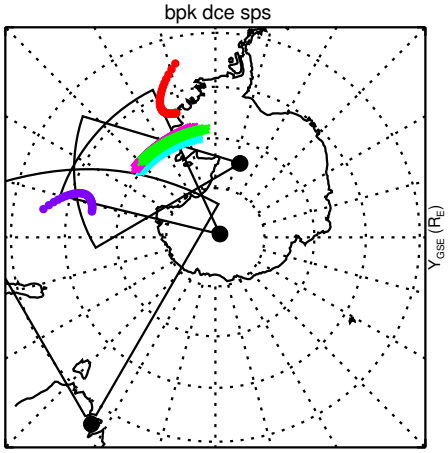


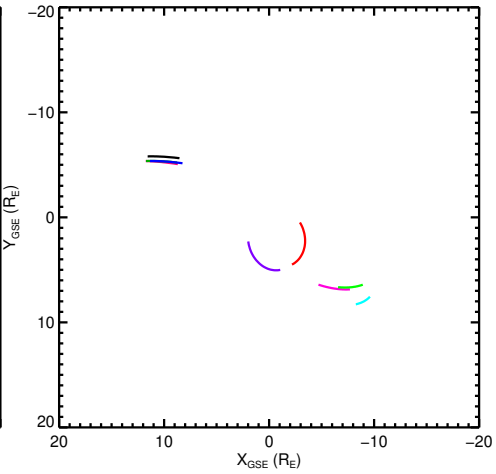


(a) 0135UT to 0450UT
ade bks cly cve cvw fhe fhw kap pgr

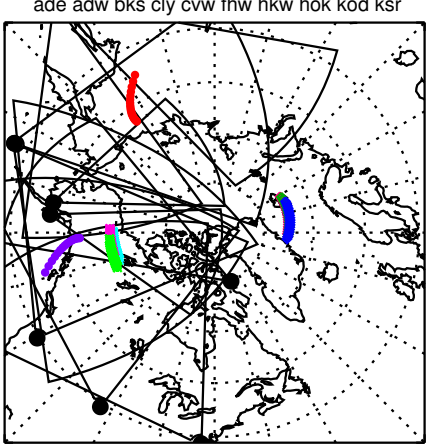


bpk dce sps

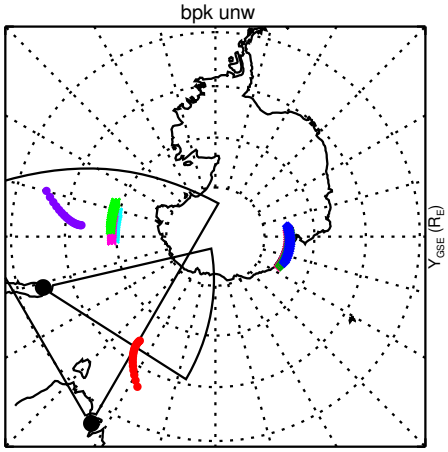


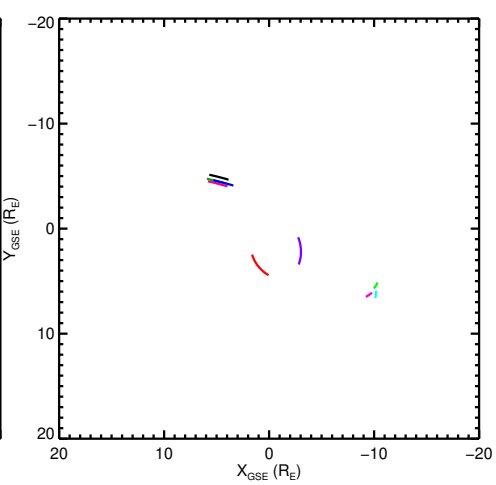


(b) 0700UT to 0830UT
ade adw bks cly cvw fhw hkw hok kod ksr



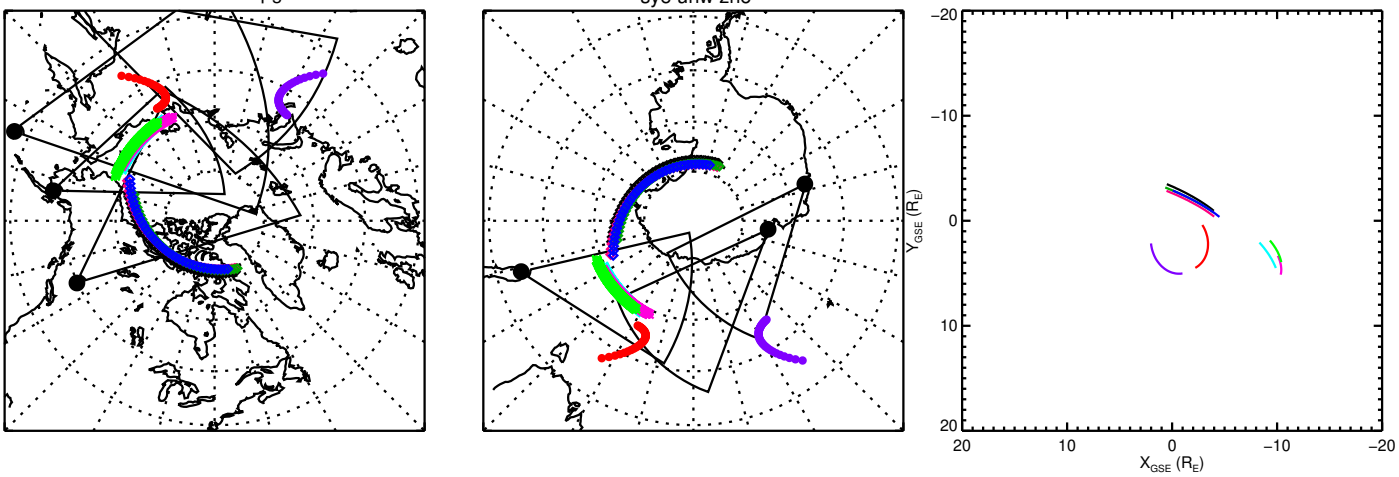
bpk unw



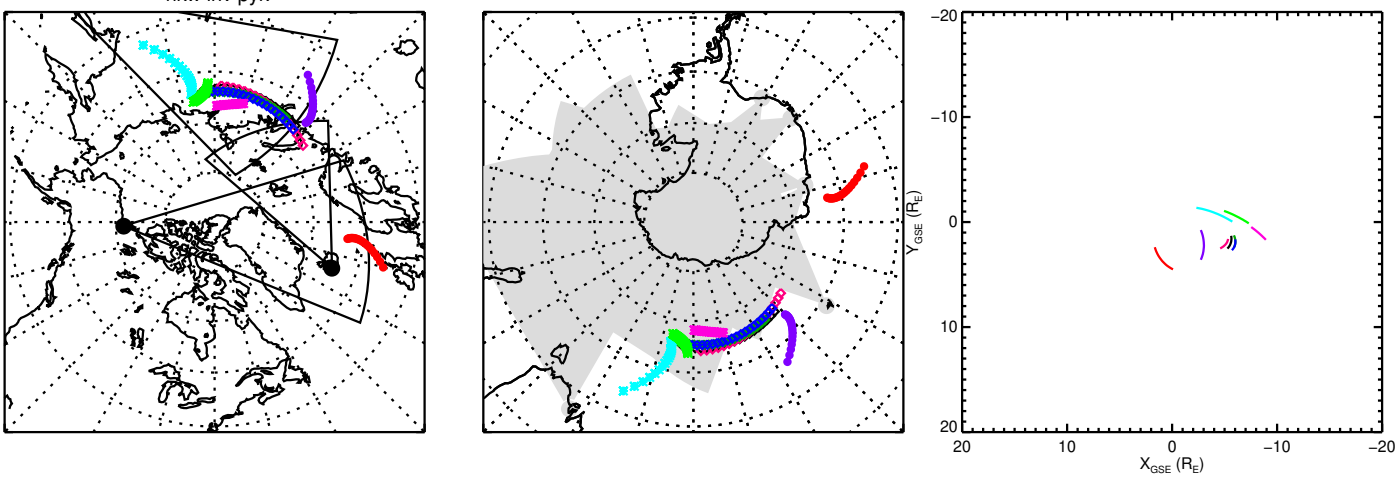


(c) 1035UT to 1350UT
adw hkw ksr pgr

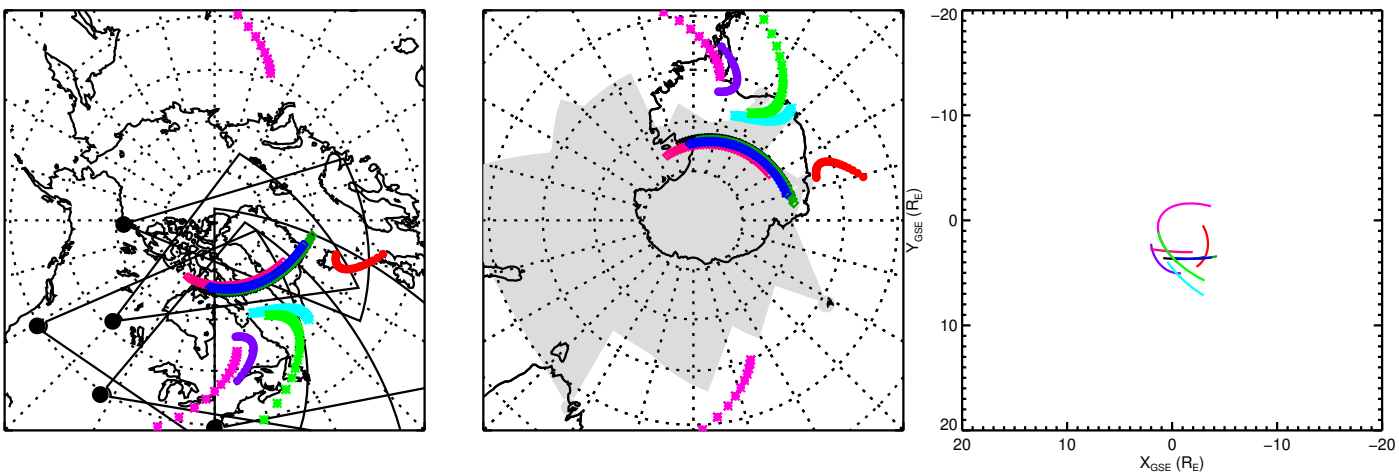
sye unw zho



(d) 1555UT to 1735UT
hkw inv pyk



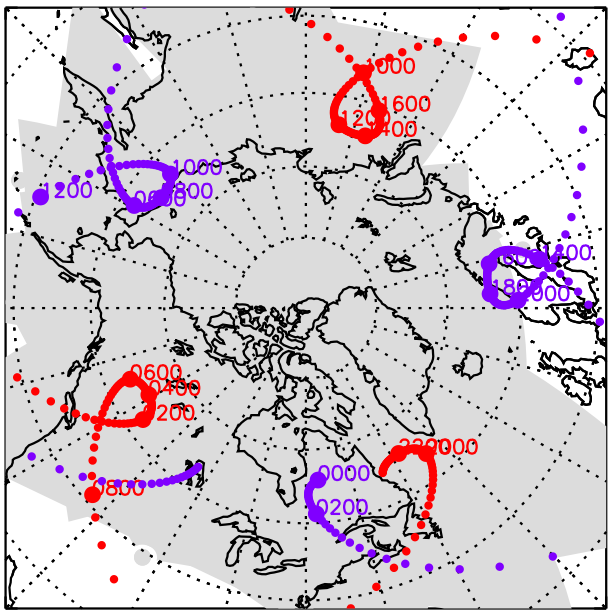
(e) 1940UT to 2245UT
cve fhe inv sas wal

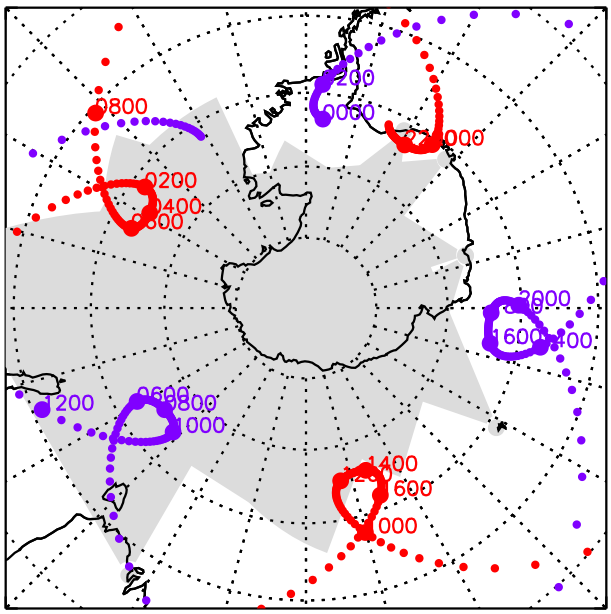


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

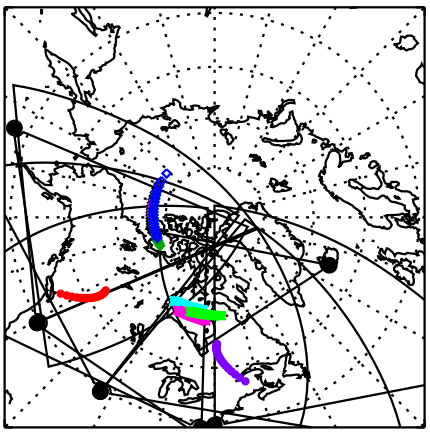
16–Mar–2017

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

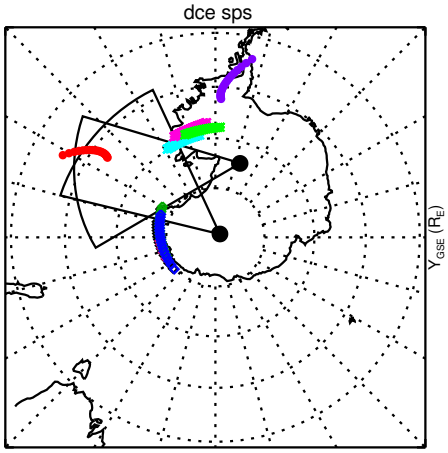


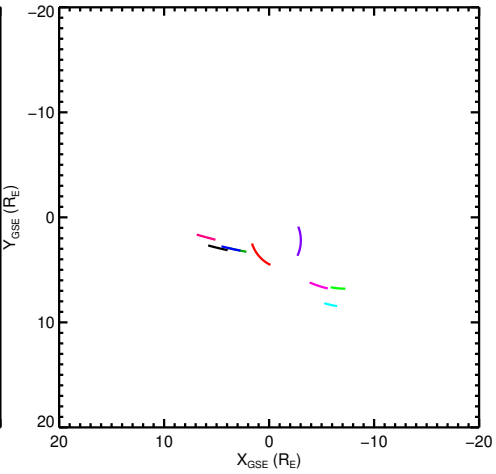


(a) 0055UT to 0235UT
ade bks cve cvw fhe fhw sto wal

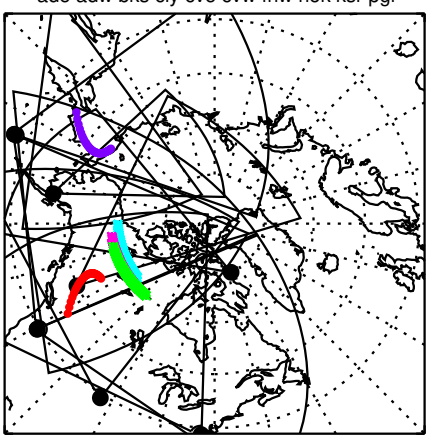


dce sps

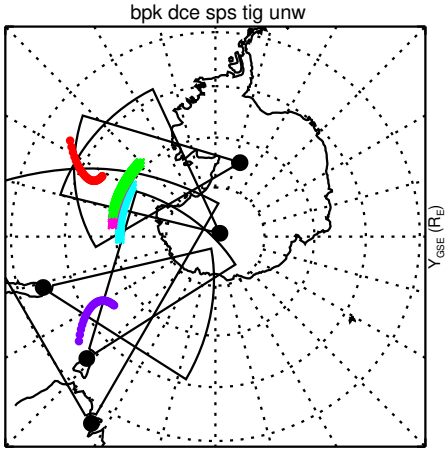


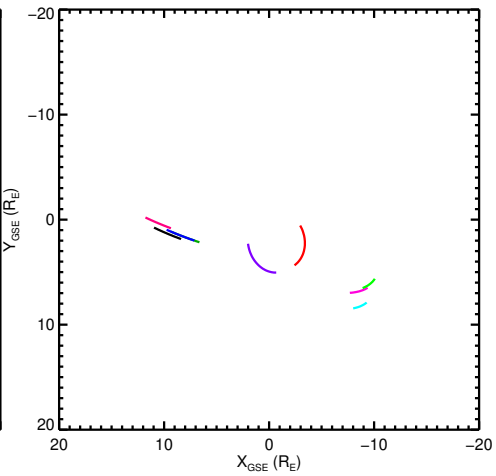


(b) 0445UT to 0740UT
ade adw bks cly cve cvw fhw hok ksr pgr

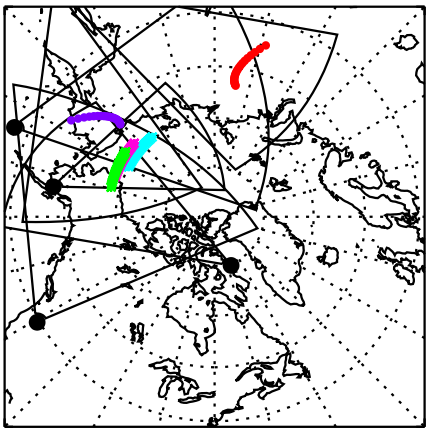


bpk dce sps tig unw

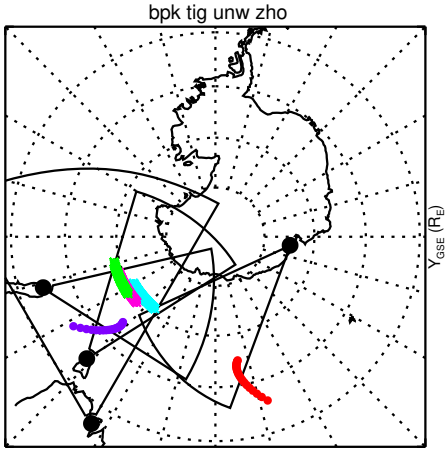


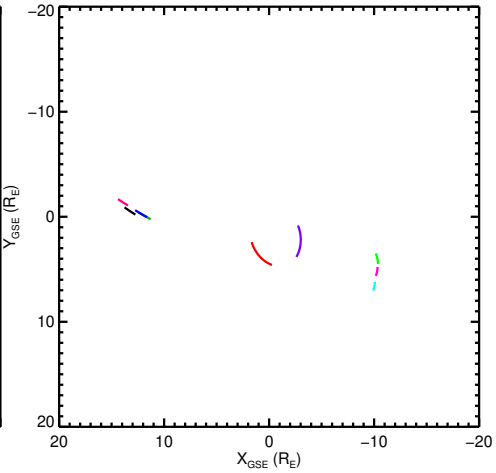


(c) 0950UT to 1140UT
adw cly cvw hkw hok ksr

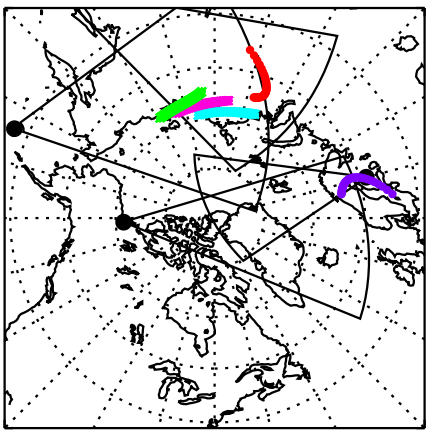


bpk tig unw zho

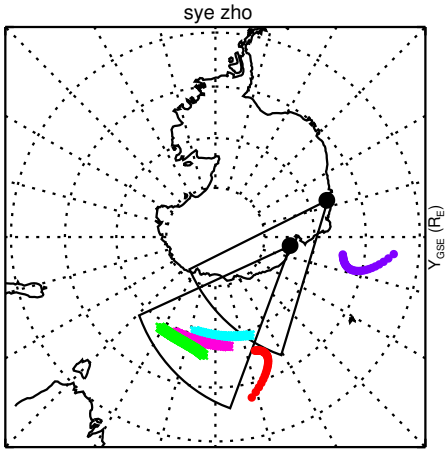


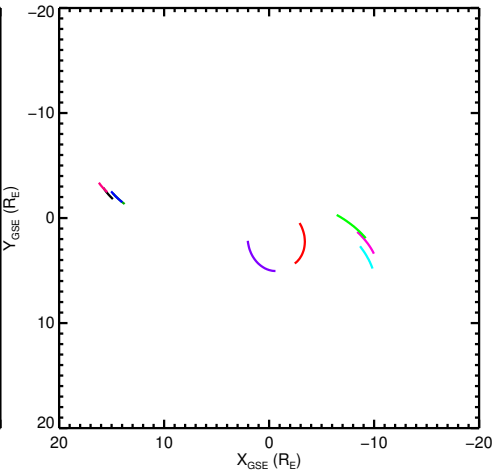


(d) 1345UT to 1640UT
adw han hkw inv

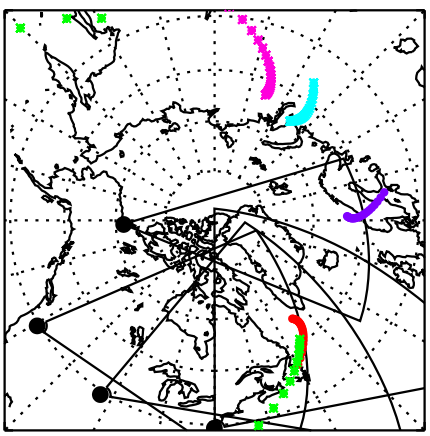


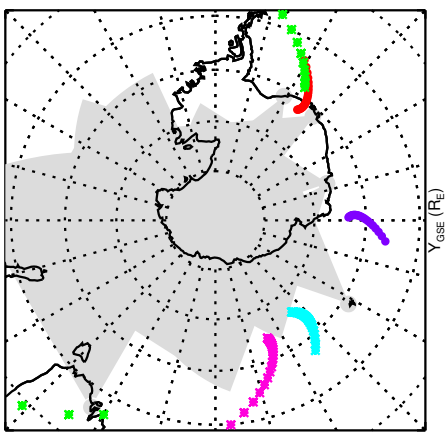
sye zho

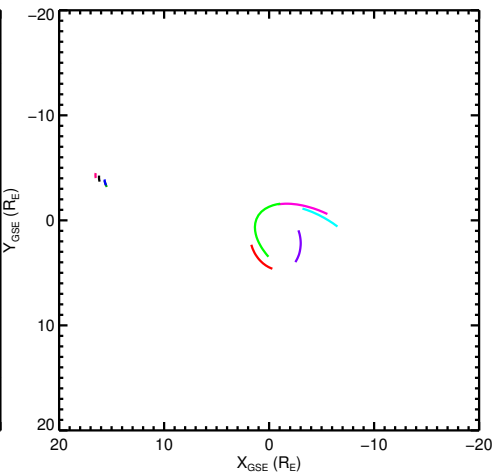




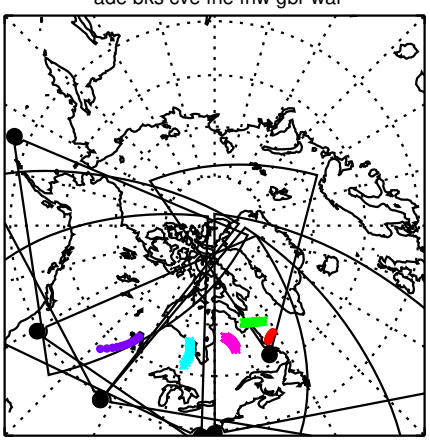
(e) 1845UT to 2040UT
cve fhe inv wal



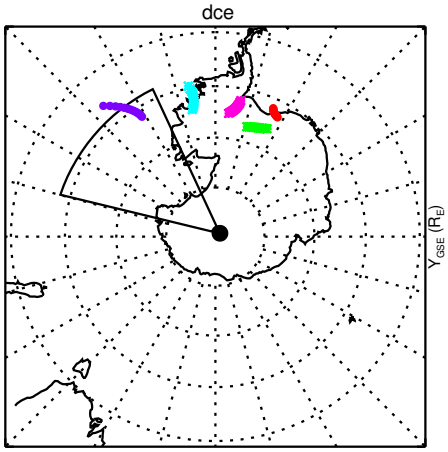


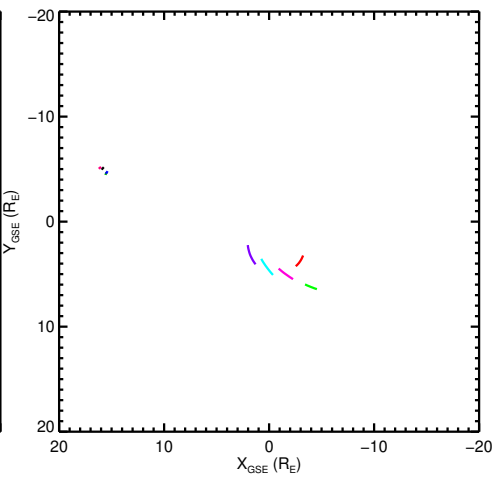


(f) 2250UT to 2355UT
ade bks cve fhe fhw gbr wal



dce

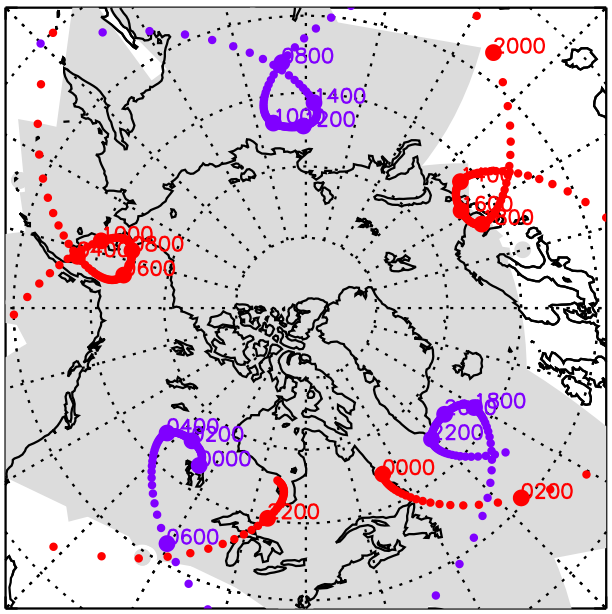


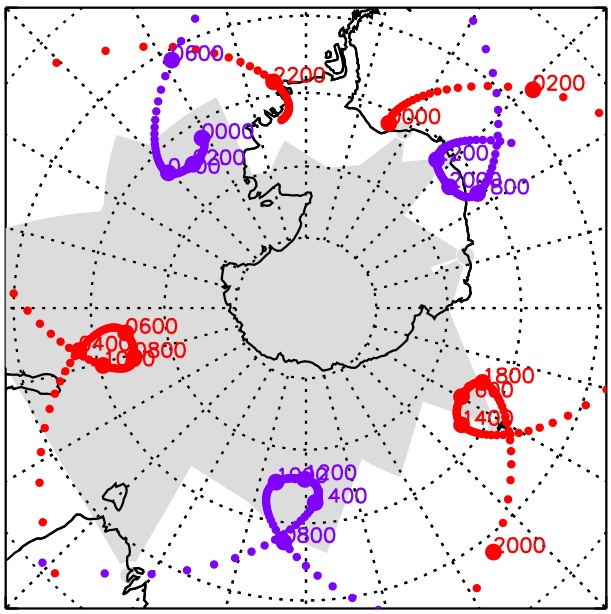


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

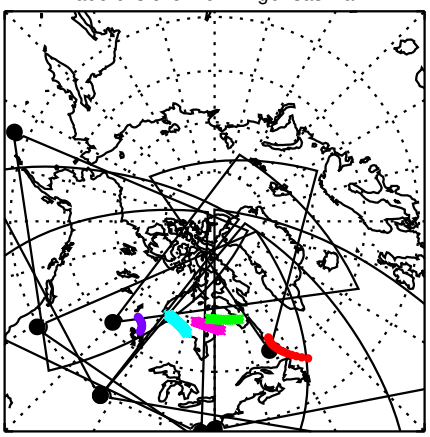
17–Mar–2017

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

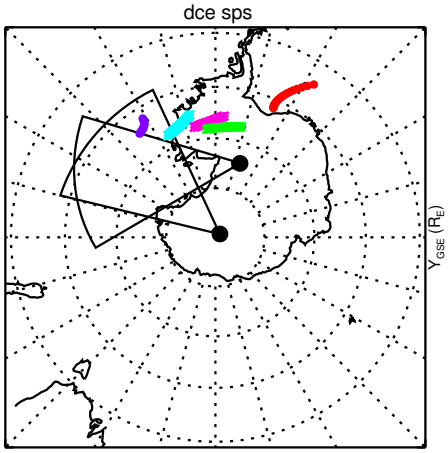


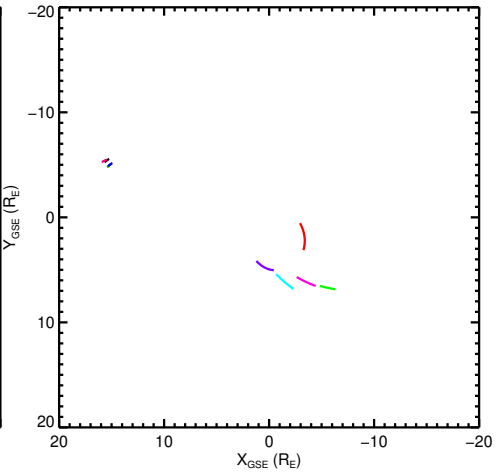


(a) 0000UT to 0135UT
ade bks cve fhe fhw gbr sas wal

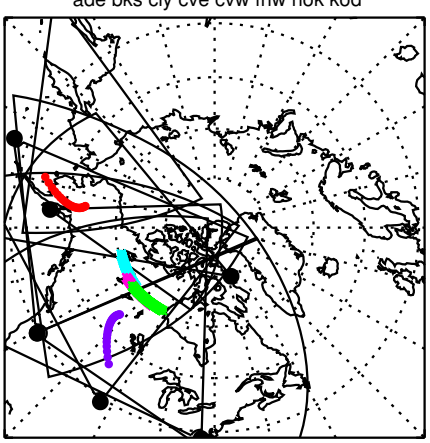


dce sps

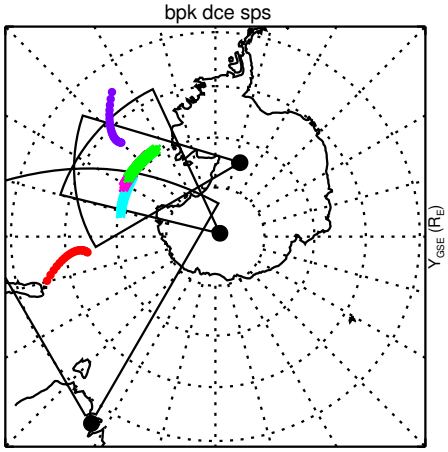


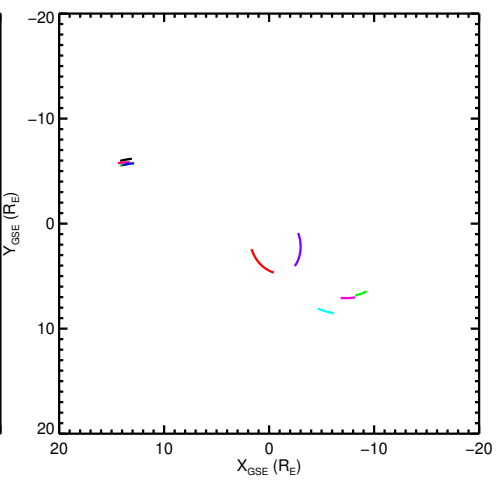


(b) 0345UT to 0545UT
ade bks cly cve cvw fhw hok kod

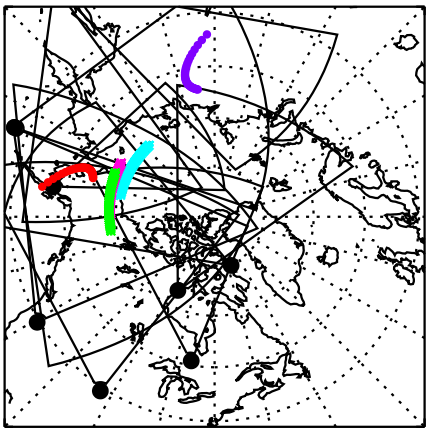


bpk dce sps

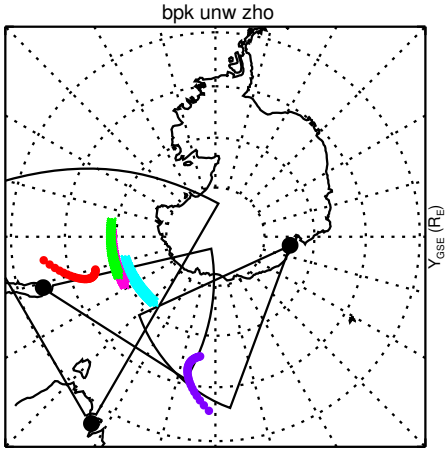


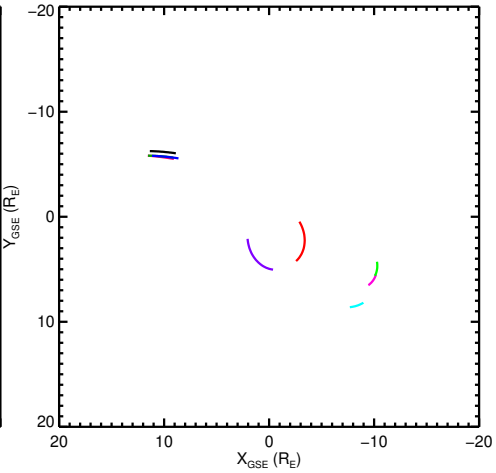


(c) 0750UT to 1035UT
ade adw cly cvw fhw hkw hok kap ksr rkn

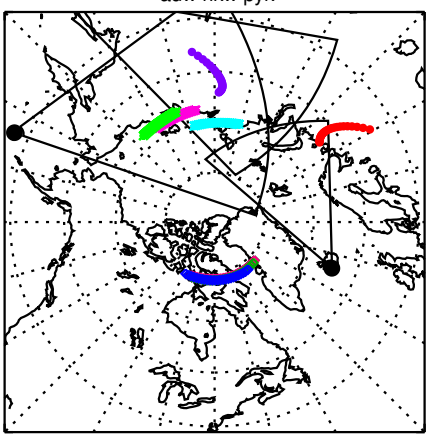


bpk unw zho

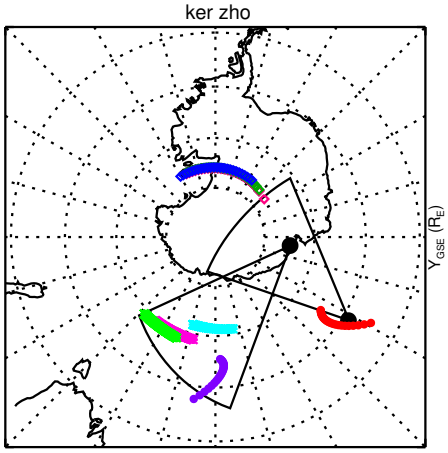


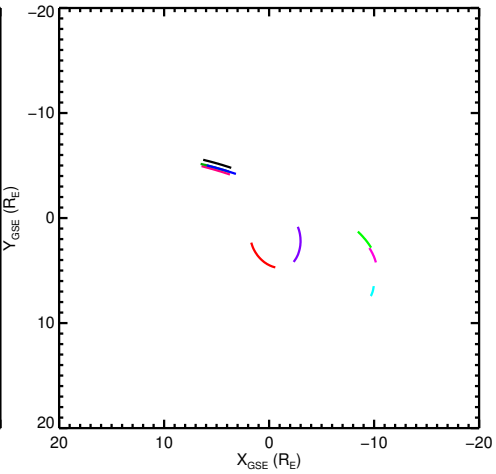


(d) 1240UT to 1450UT
adw hkw pyk

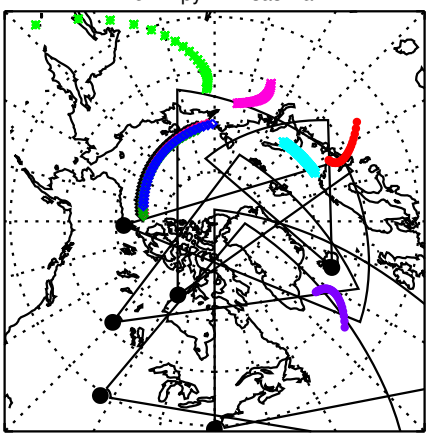


ker zho

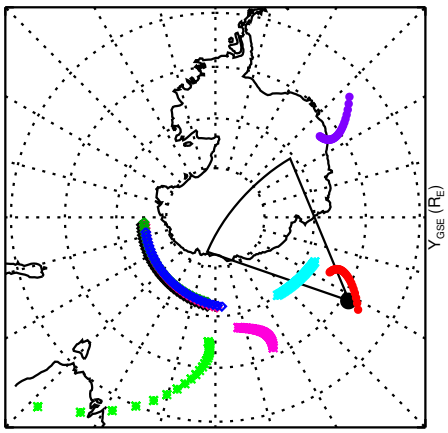


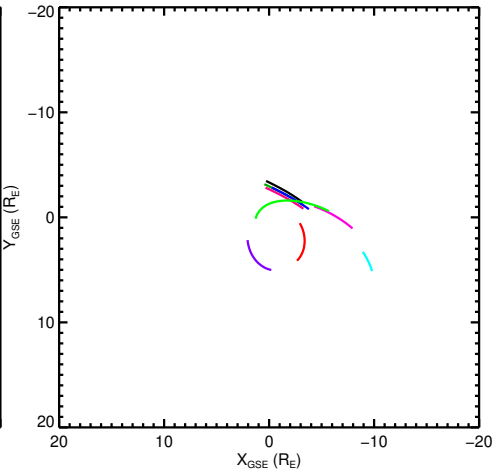


(e) 1655UT to 1930UT
fhe inv pyk rkn sas wal

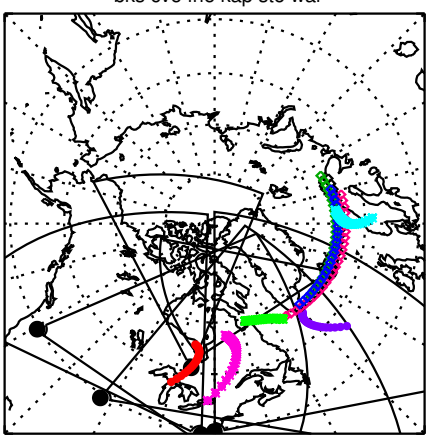


ker

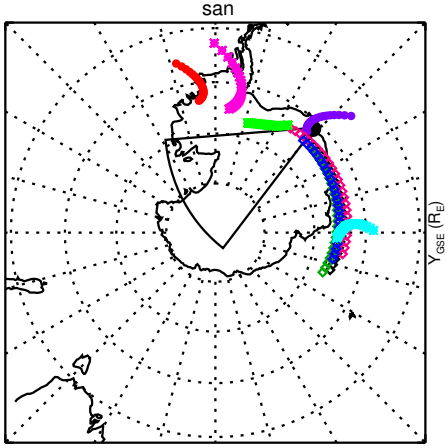


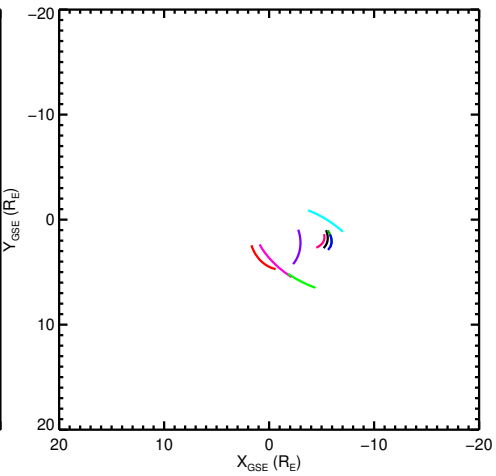


(f) 2140UT to 2350UT
bks cve fhe kap sto wal



san

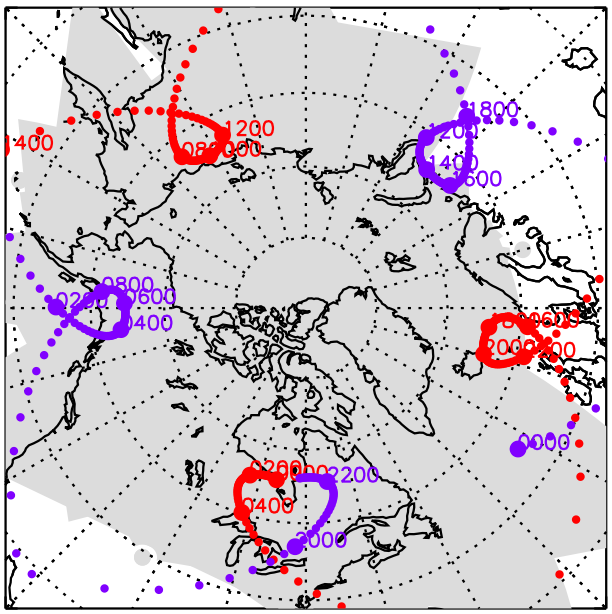


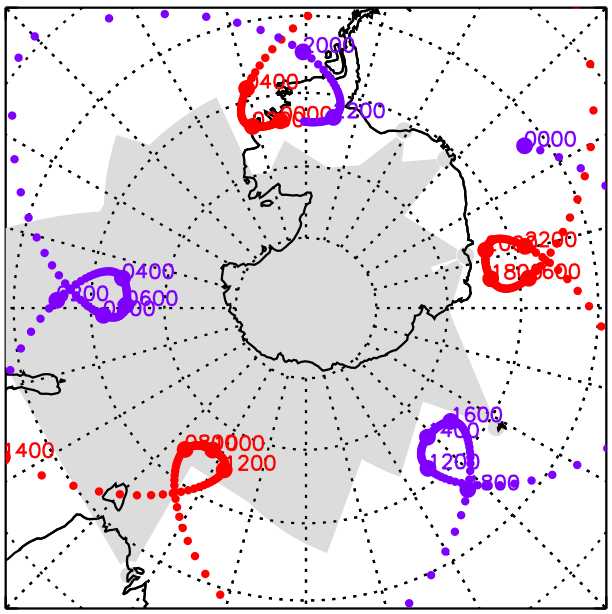


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

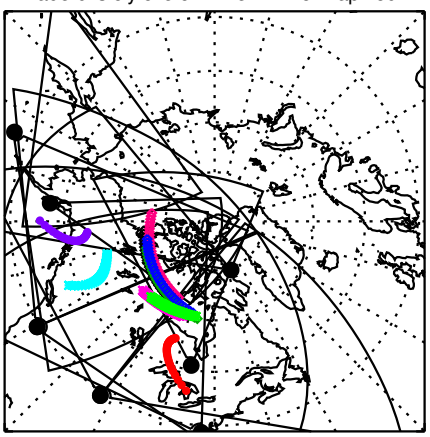
18–Mar–2017

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

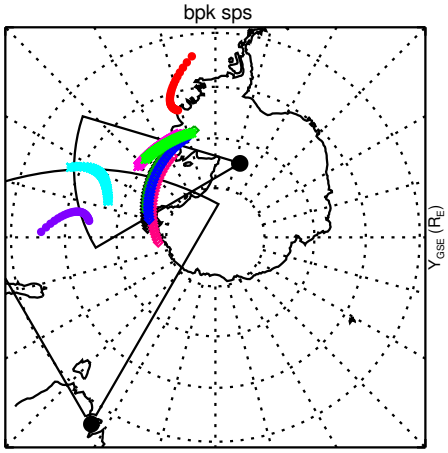


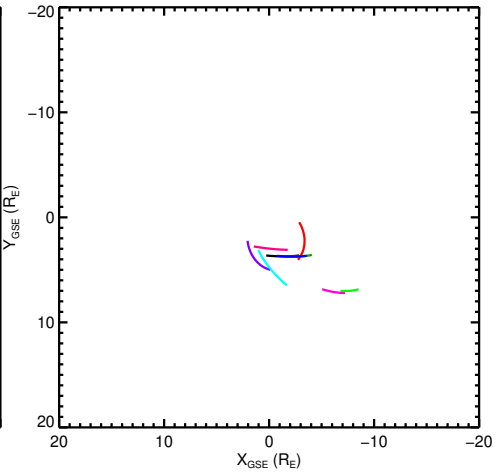


(a) 0200UT to 0430UT
ade bks cly cve cvw fhe fhw hok kap kod

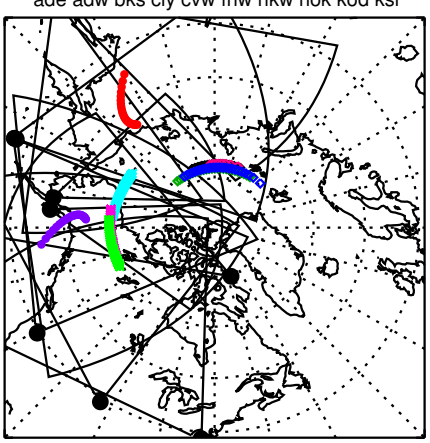


bpk sps

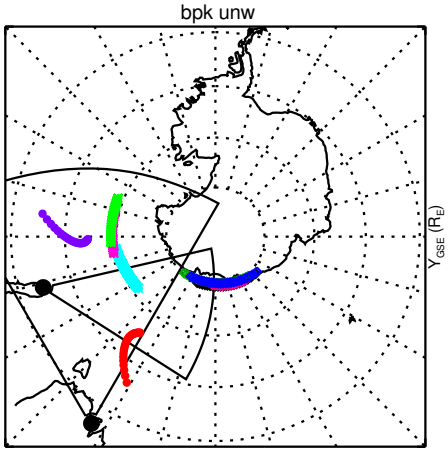


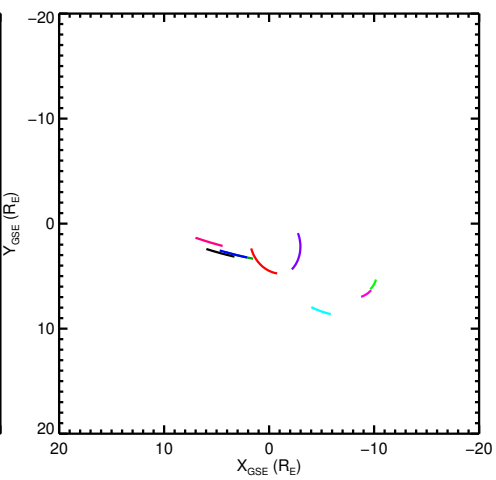


(b) 0635UT to 0855UT
ade adw bks cly cvw fhw hkw hok kod ksr



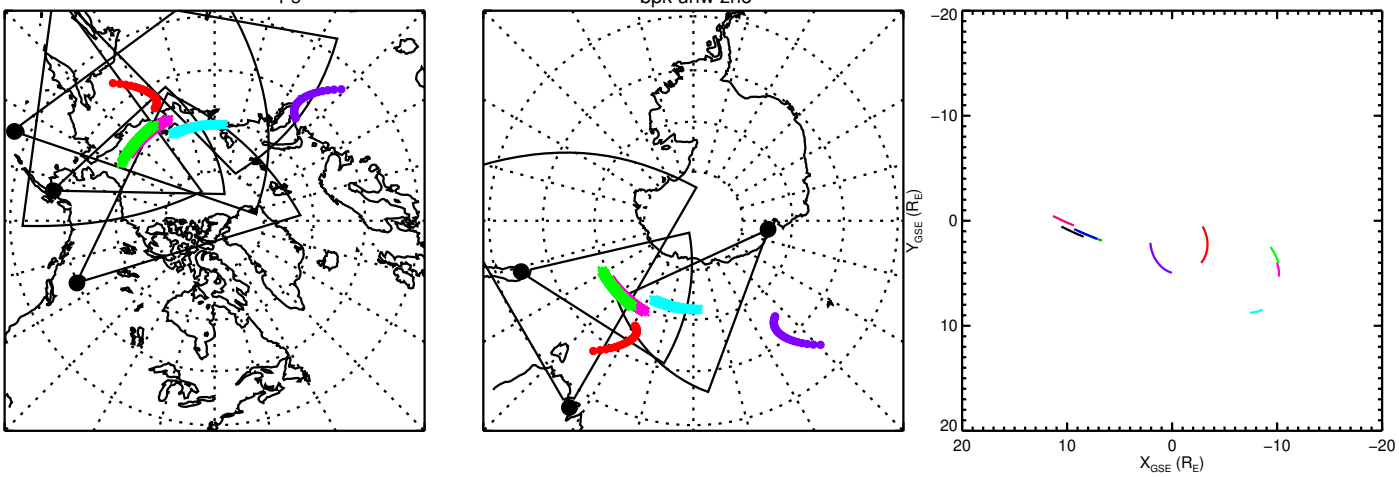
bpk unw



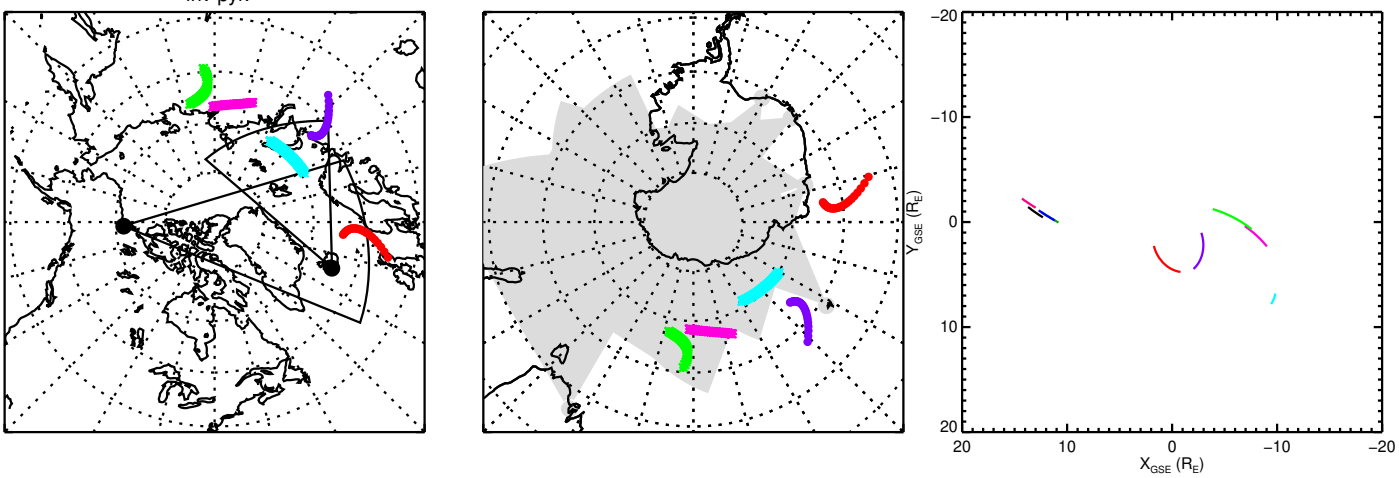


(c) 1100UT to 1325UT
adw hkw hok ksr pgr

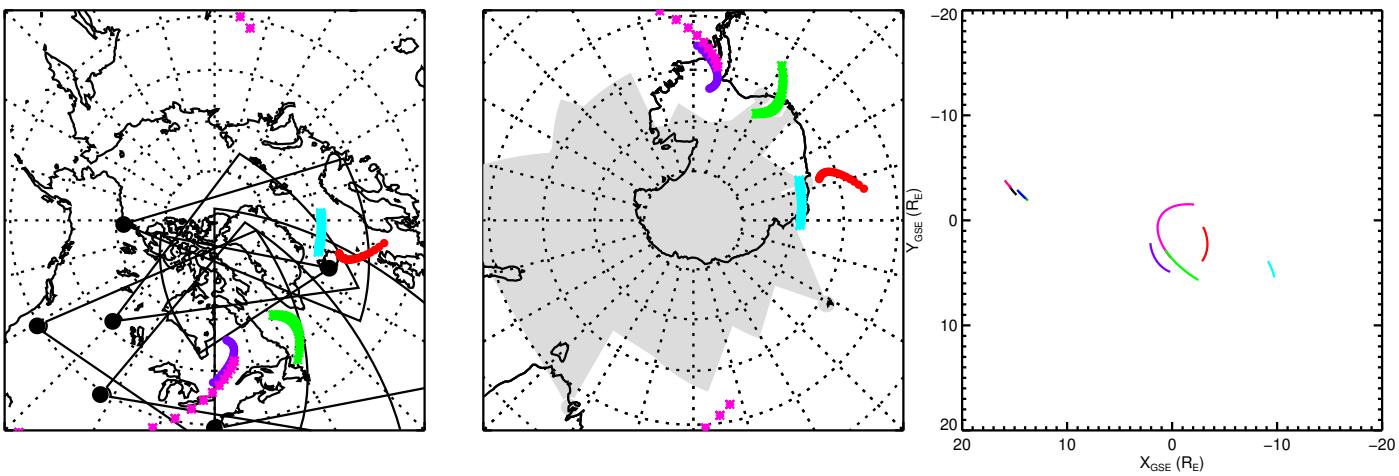
bpk unw zho



(d) 1530UT to 1755UT
inv pyk



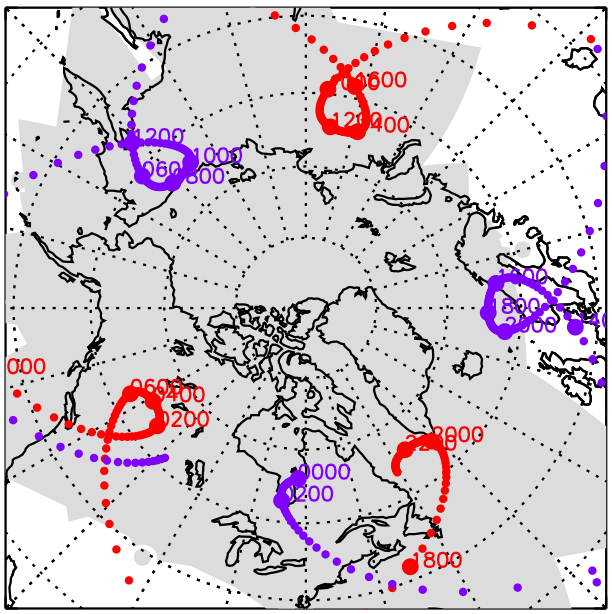
(e) 2005UT to 2220UT
cve fhe inv sas sto wal

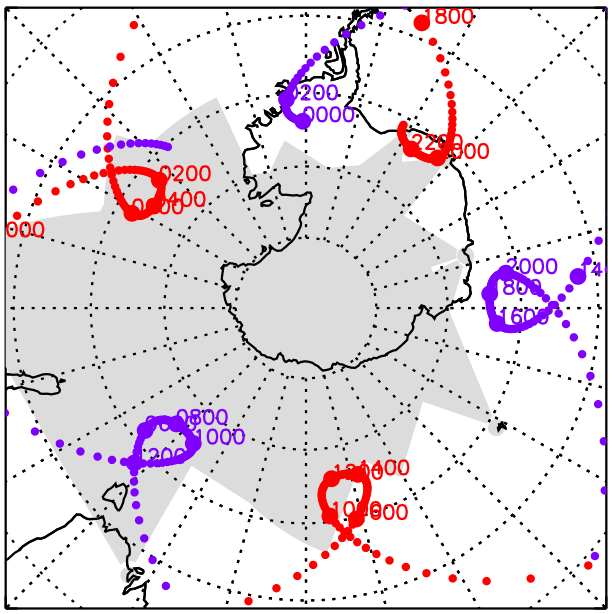


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

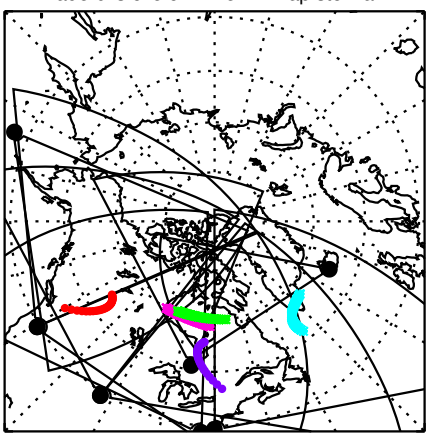
19–Mar–2017

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

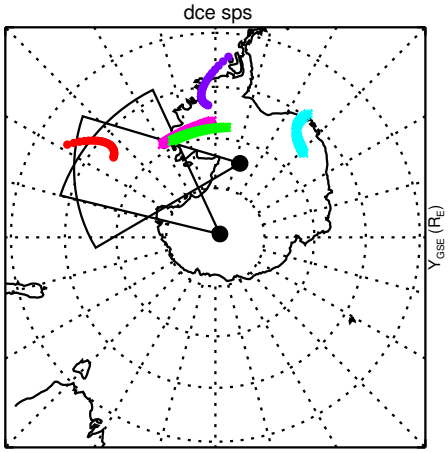


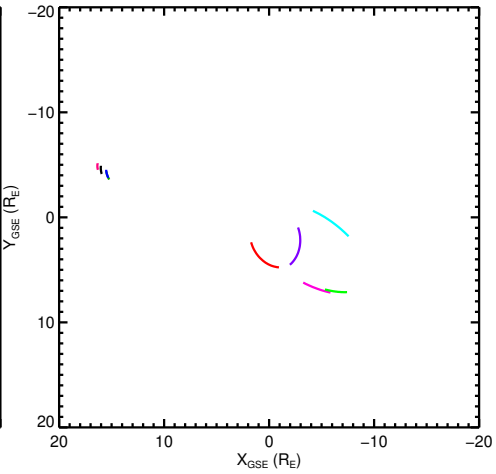


(a) 0030UT to 0300UT
ade bks cve cvw fhe fhw kap sto wal

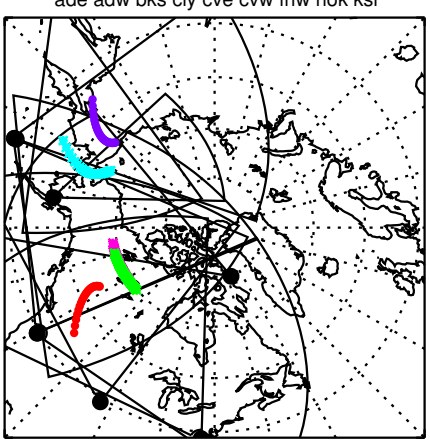


dce sps

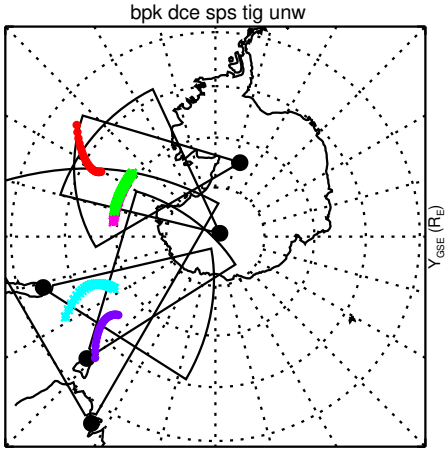


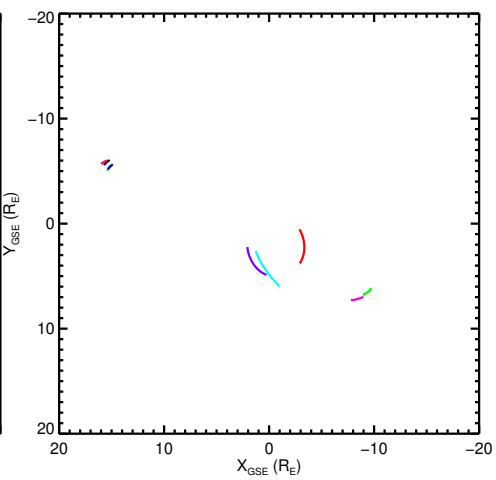


(b) 0510UT to 0720UT
ade adw bks cly cve cvw fhw hok ksr

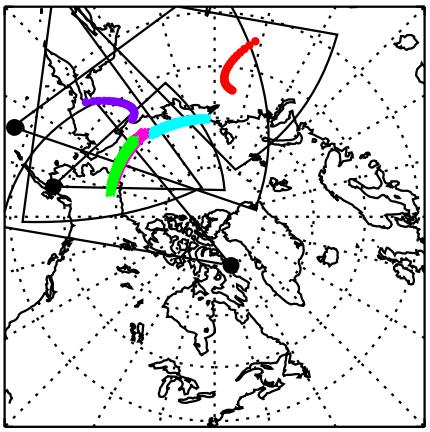


bpk dce sps tig unw

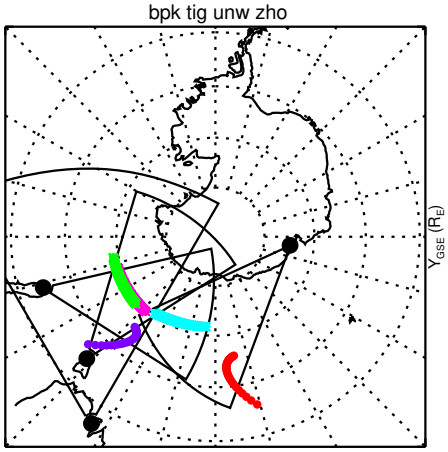


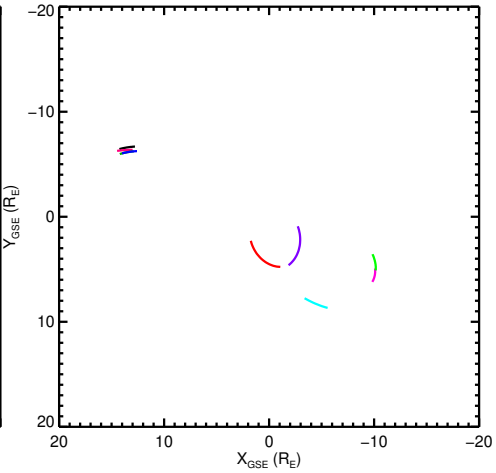


(c) 0925UT to 1205UT
adw cly hkw hok ksr

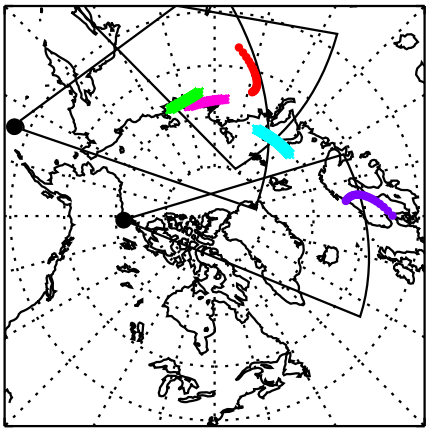


bpk tig unw zho

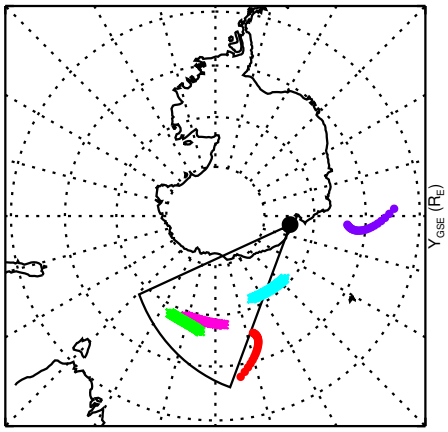


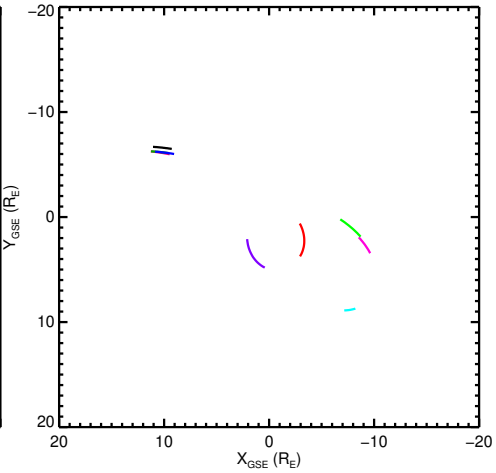


(d) 1410UT to 1615UT
adw hkw inv

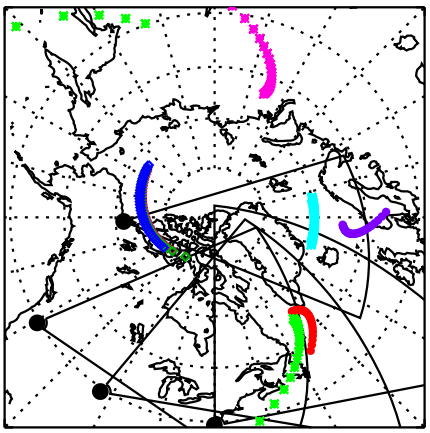


zho

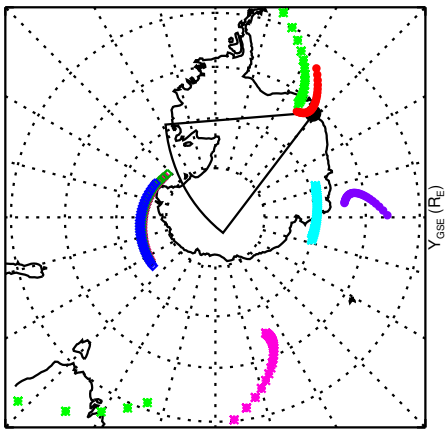


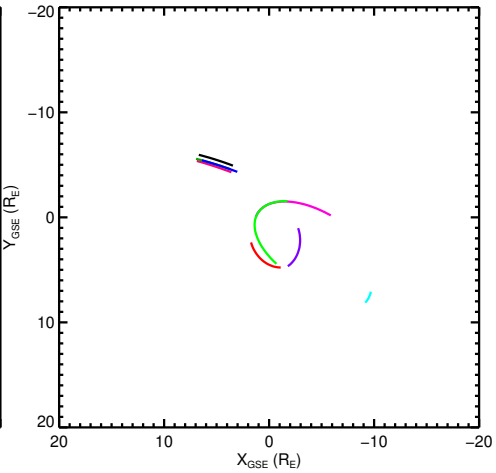


(e) 1825UT to 2105UT
cve fhe inv wal

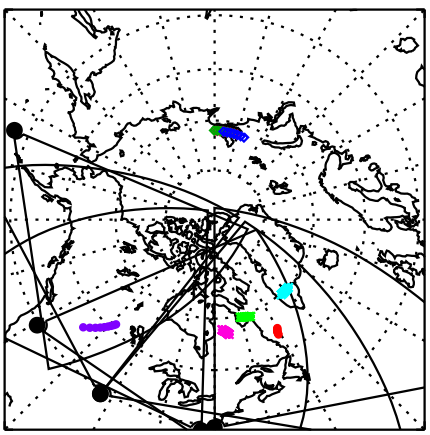


san

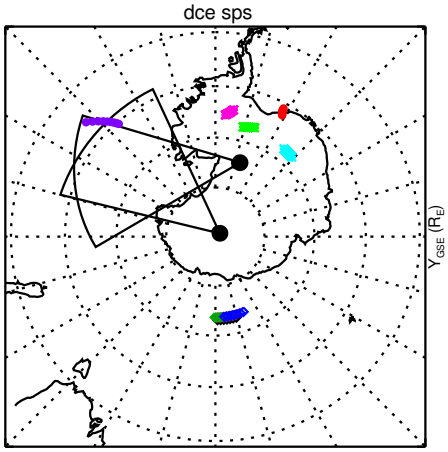


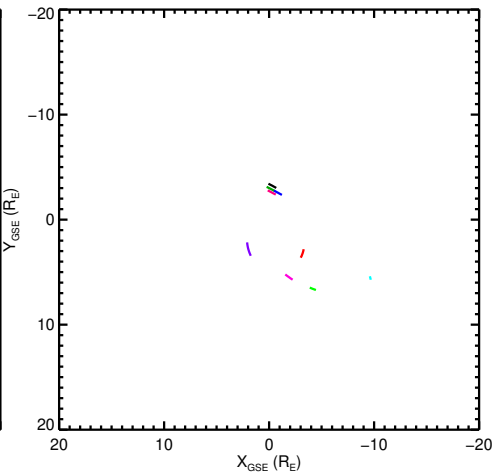


(f) 2315UT to 2355UT
ade bks cve fhe fhw wal



dce sps

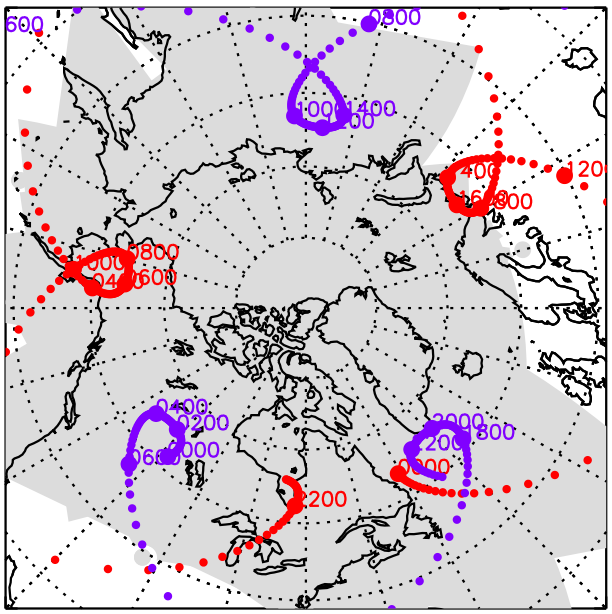


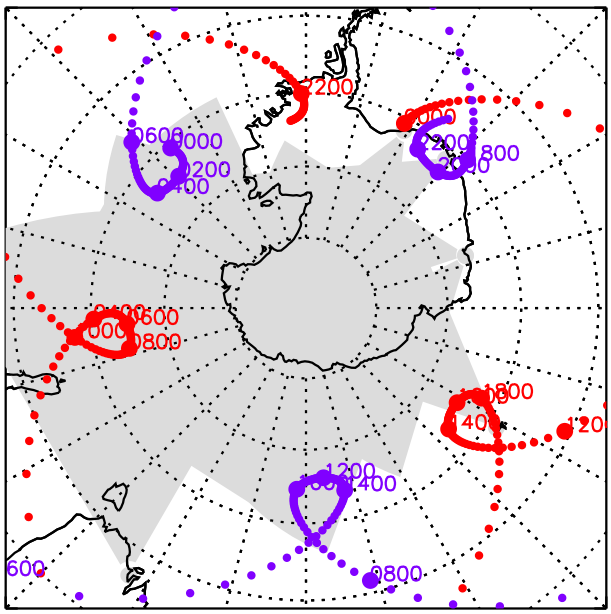


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

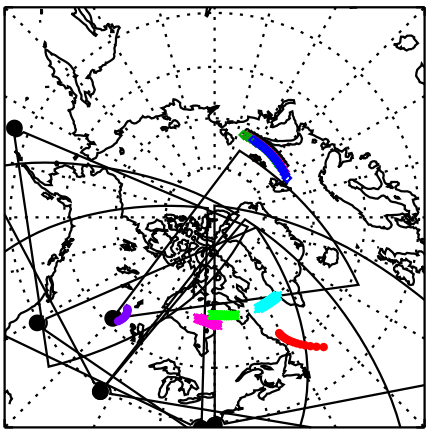
20–Mar–2017

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

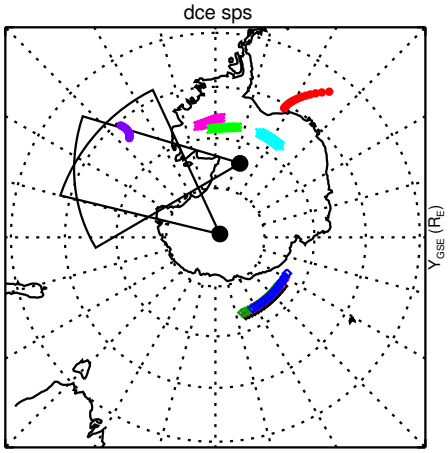


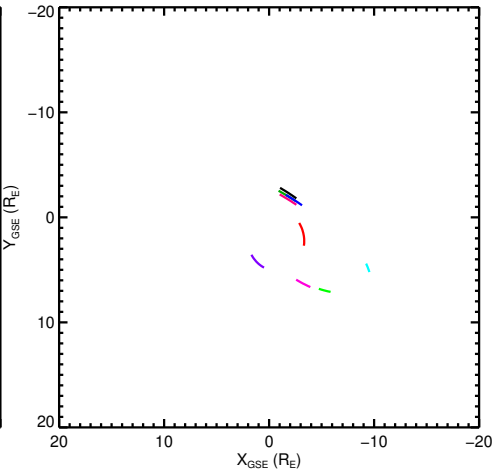


(a) 0000UT to 0115UT
ade bks cve fhe fhw sas wal

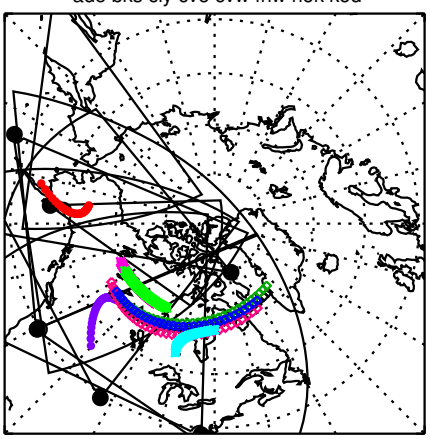


dce sps

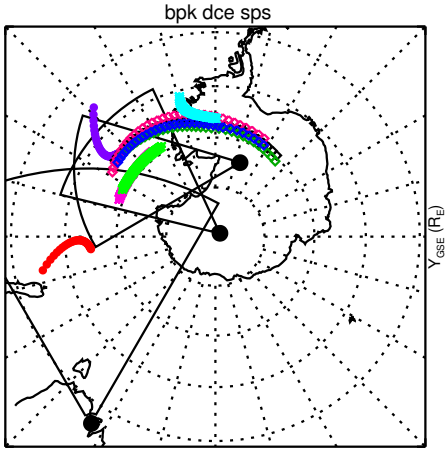


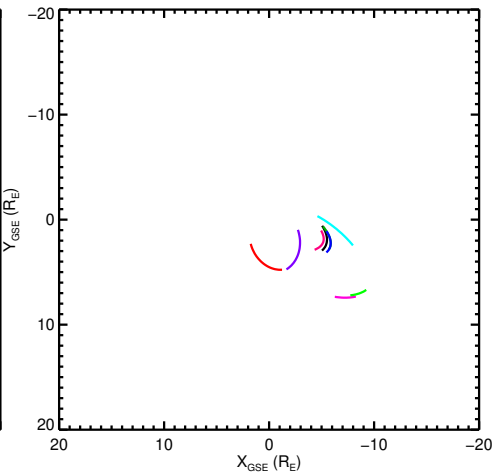


(b) 0320UT to 0610UT
ade bks cly cve cvw fhw hok kod

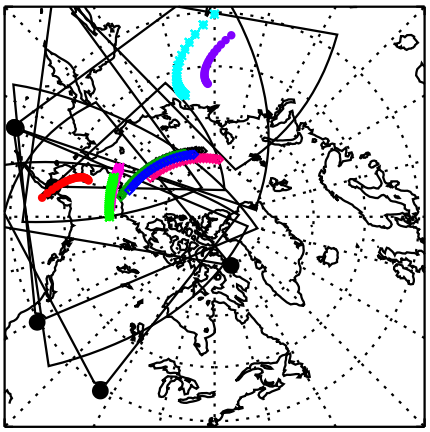


bpk dce sps

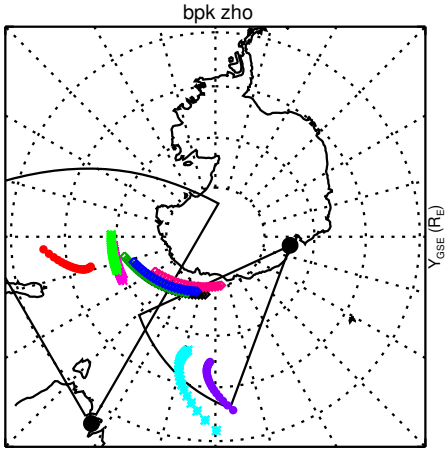


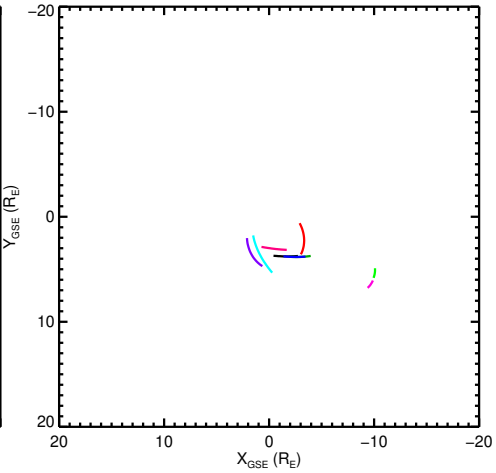


(c) 0815UT to 1010UT
ade adw cly cvw fhw hkw hok ksr

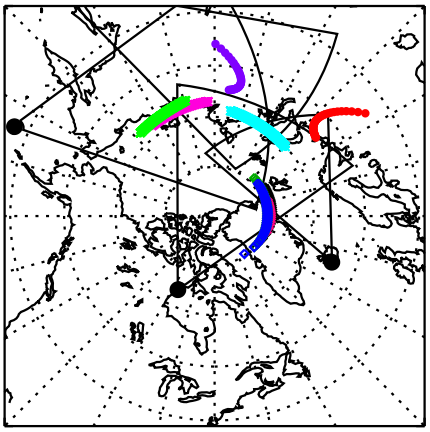


bpk zho

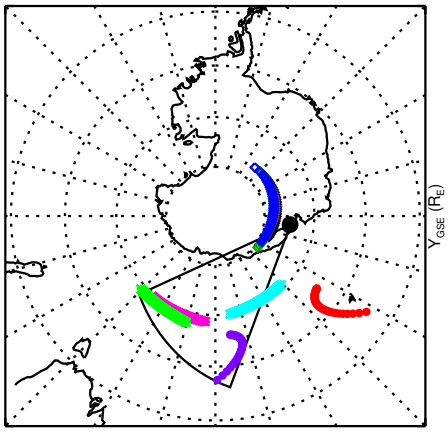


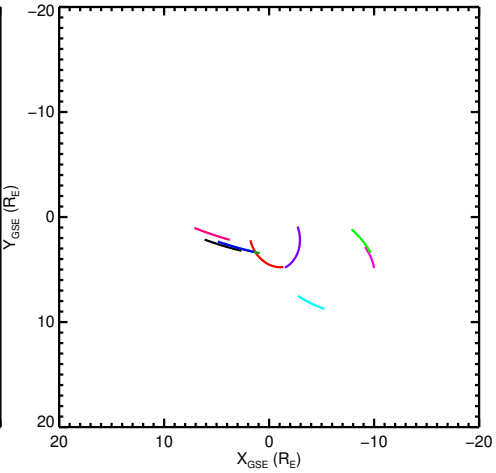


(d) 1215UT to 1515UT
adw hkw pyk rkn

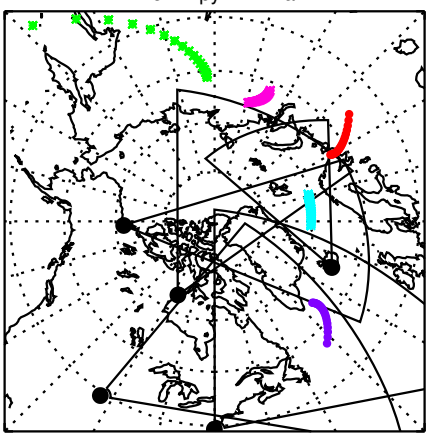


zho

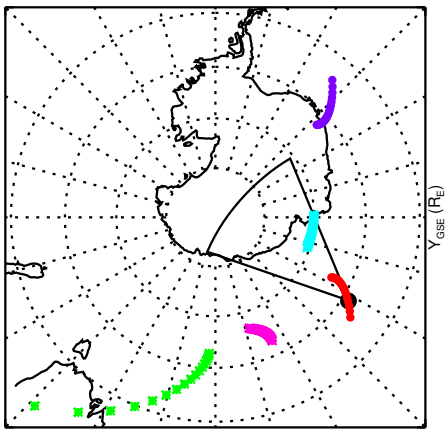


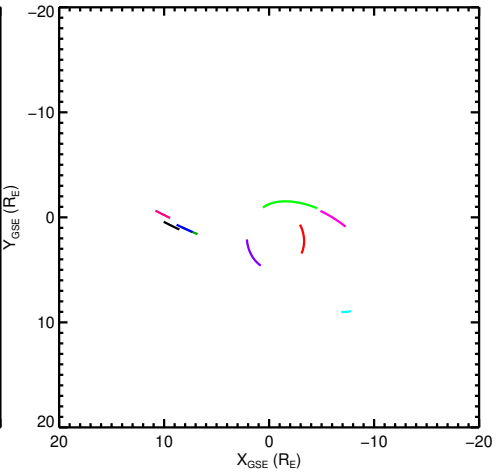


(e) 1720UT to 1905UT
fhe inv pyk rkn wal

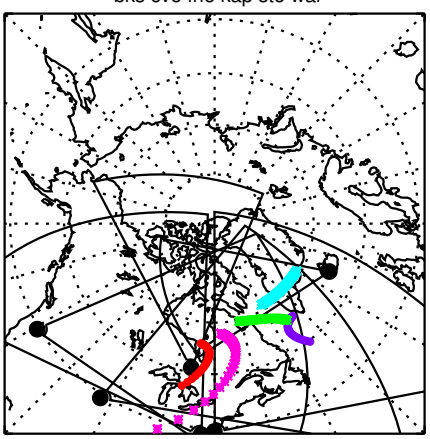


ker





(f) 2115UT to 2355UT
bks cve fhe kap sto wal



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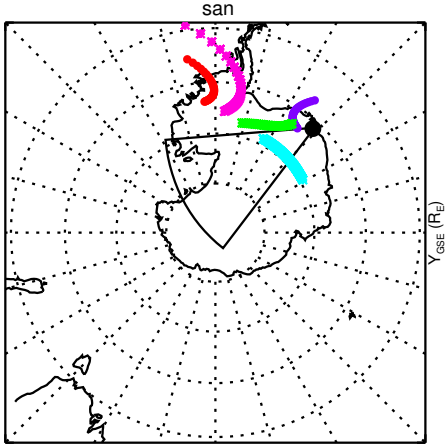
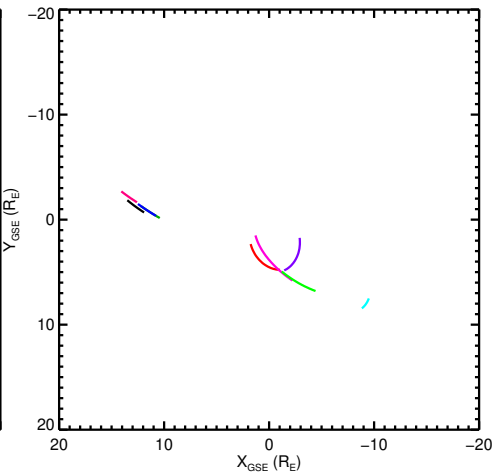
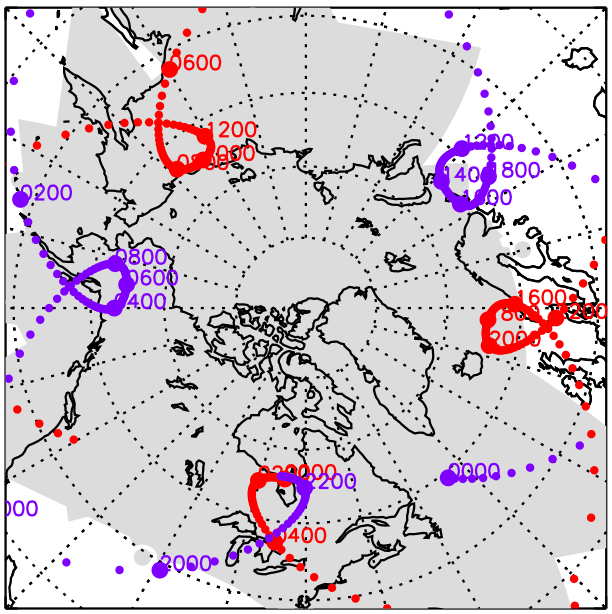


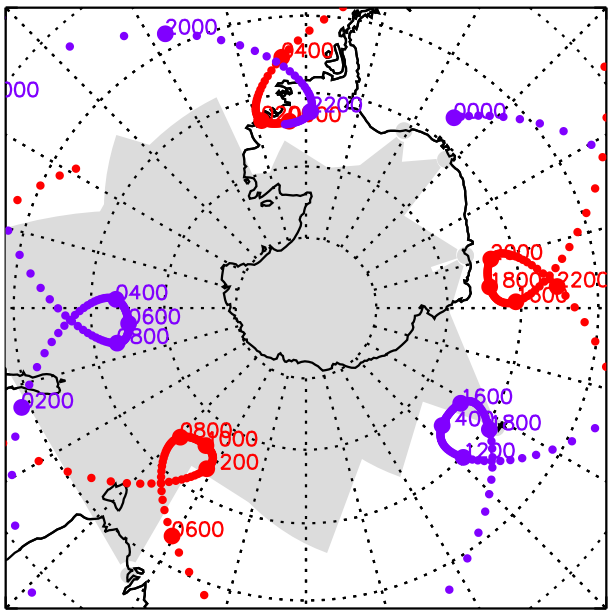


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

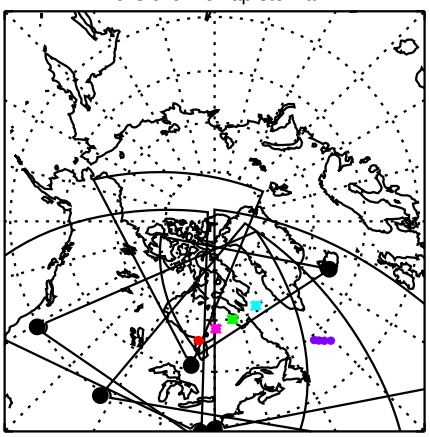
21−Mar−2017

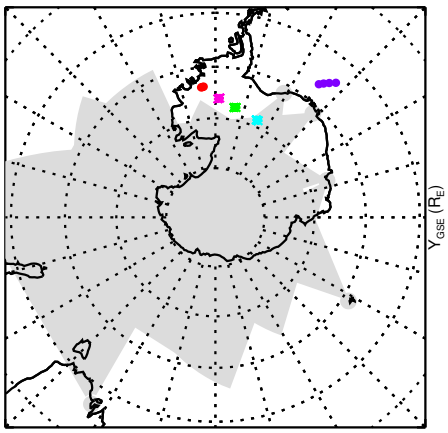
Top row: 24h footprints: RBSP−A RBSP−B
Bottom rows: Periods when both RBSP−A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

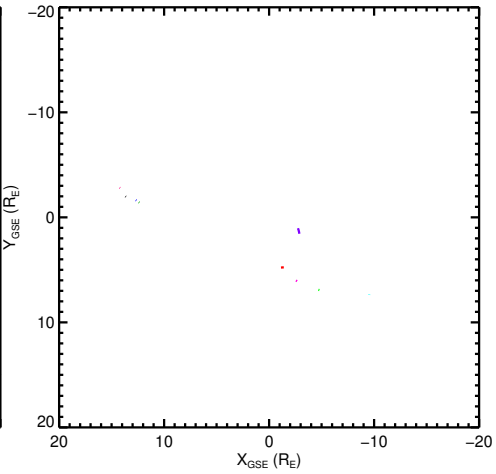




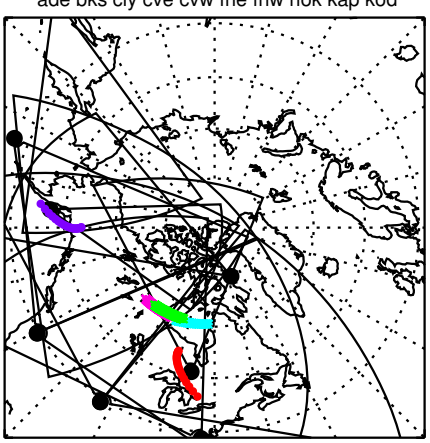
(a) 0000UT to 0015UT
bks cve fhe kap sto wal



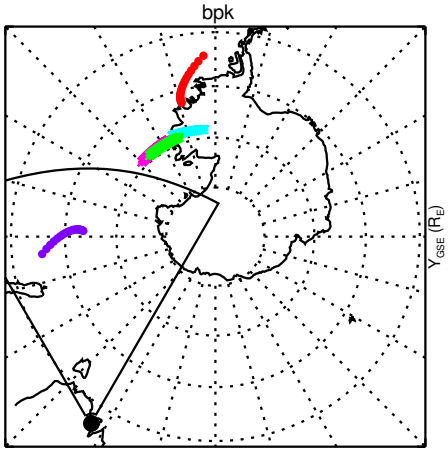


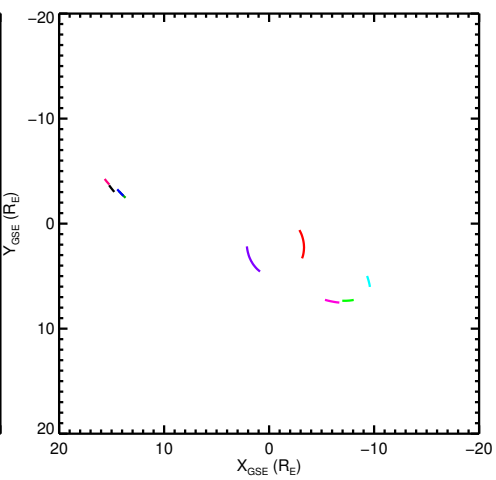


(b) 0225UT to 0405UT
ade bks cly cve cvw fhe fhw hok kap kod

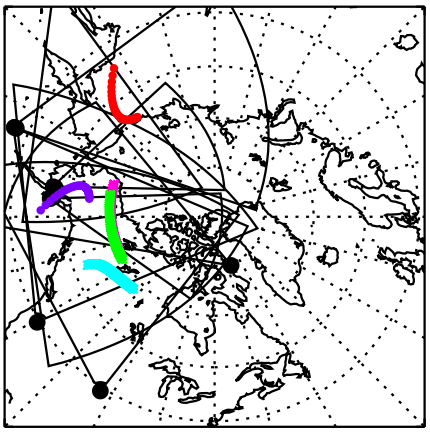


bpk

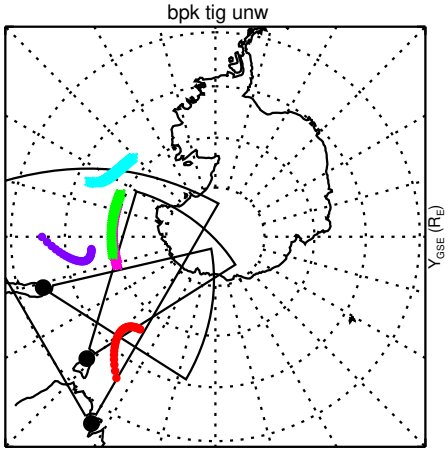


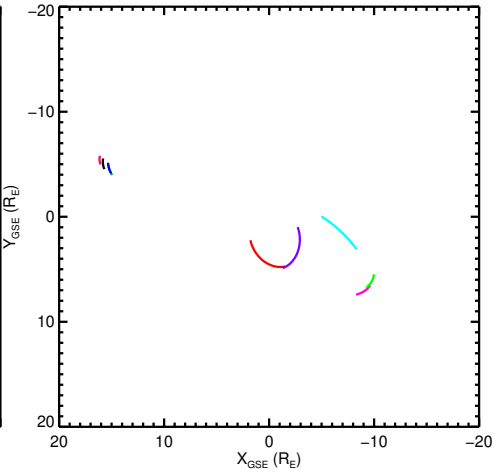


(c) 0610UT to 0920UT
ade adw cly cvw fhw hok kod ksr

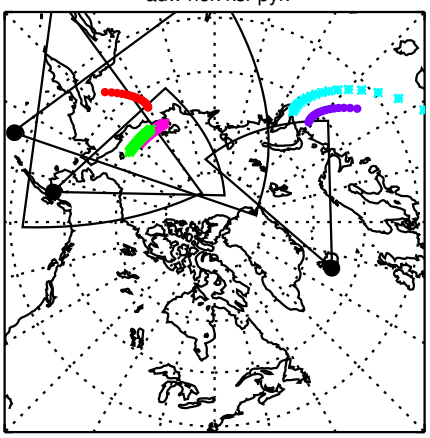


bpk tig unw

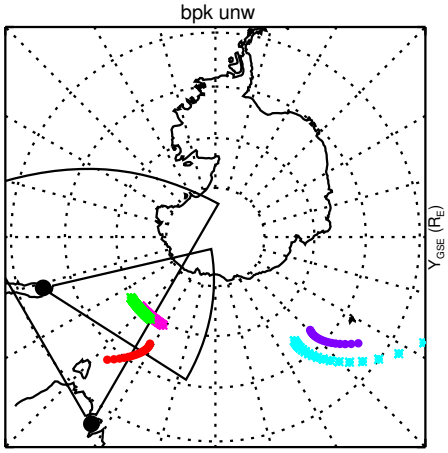


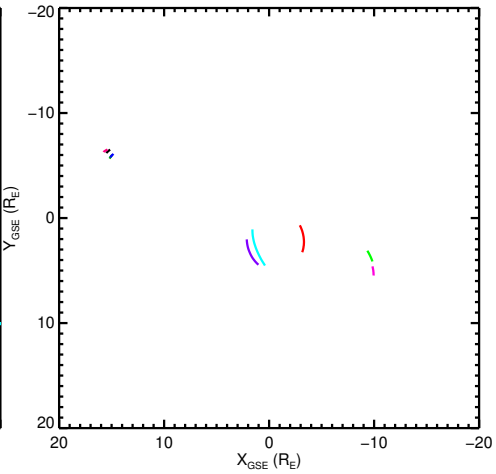


(d) 1125UT to 1300UT
adw hok ksr pyk

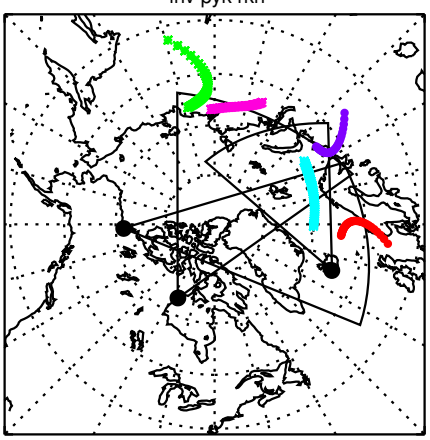


bpk unw





(e) 1510UT to 1820UT
inv pyk rkn



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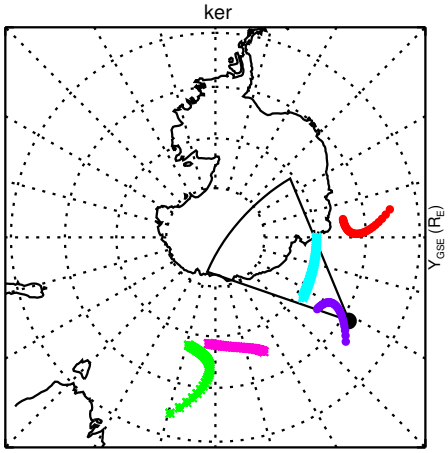
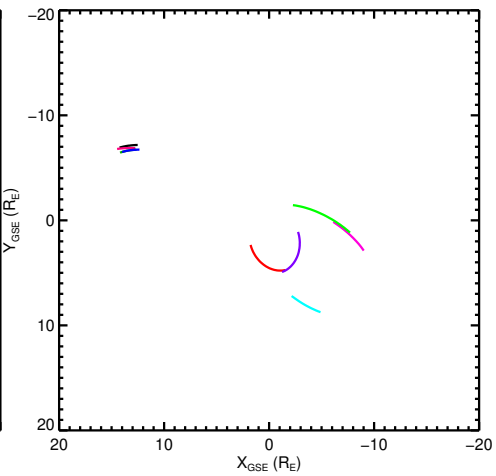
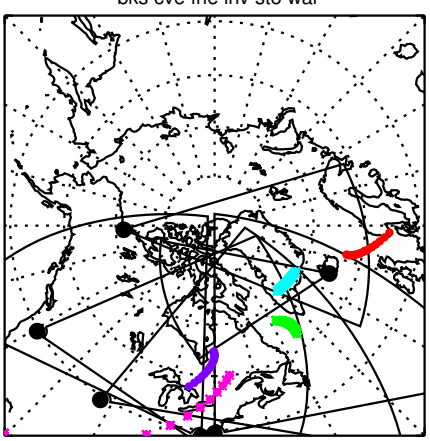
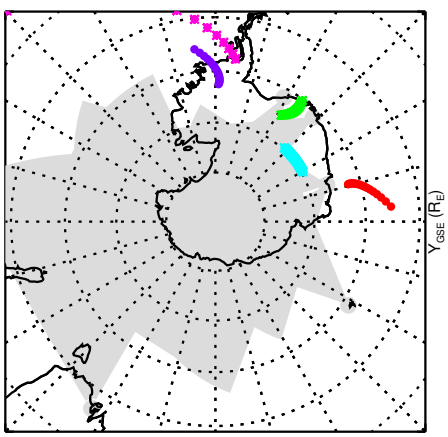
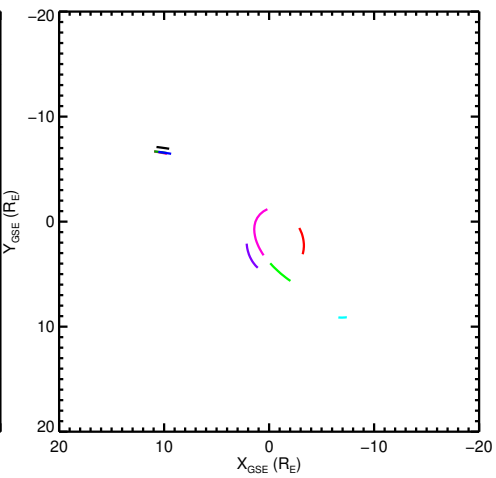




(f) 2030UT to 2200UT
bks cve fhe inv sto wal



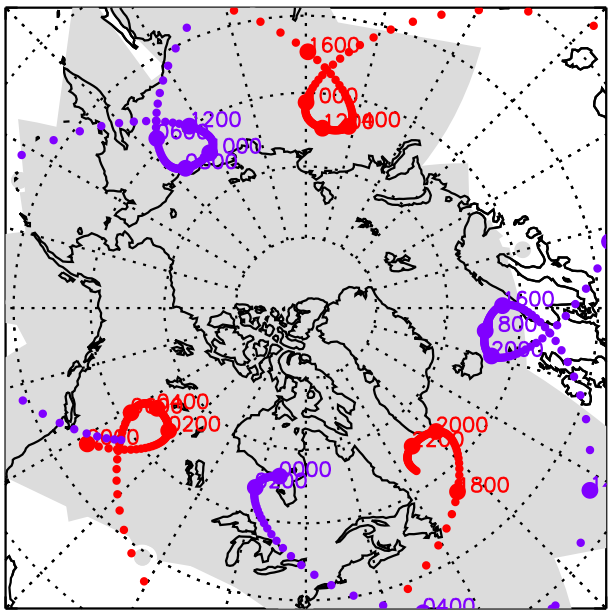


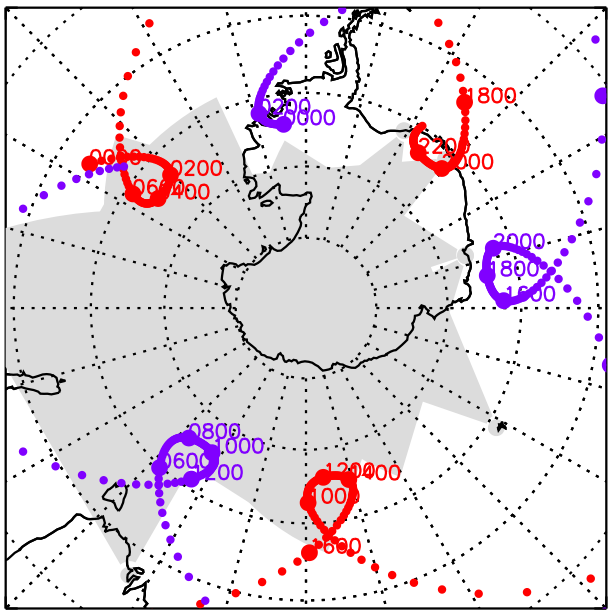


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

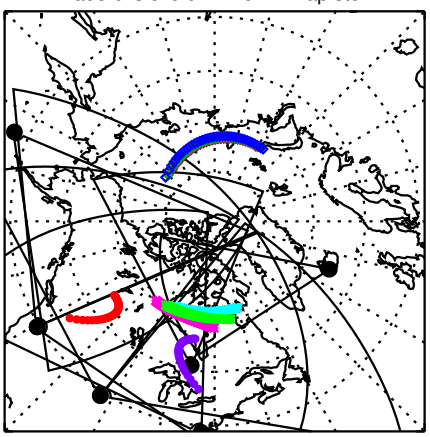
22–Mar–2017

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

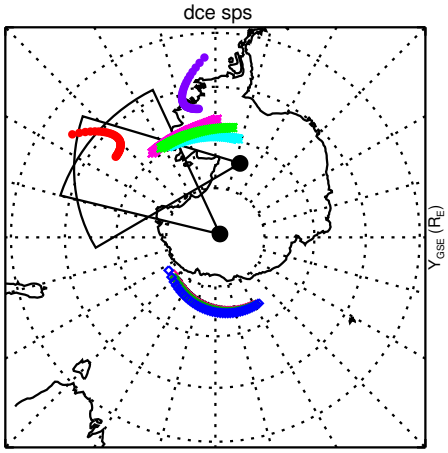


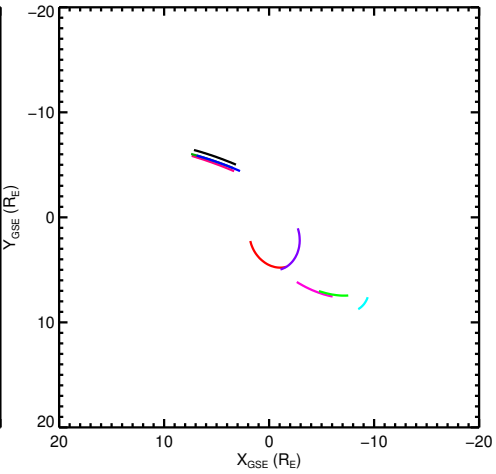


(a) 0005UT to 0325UT
ade bks cve cvw fhe fhw kap sto

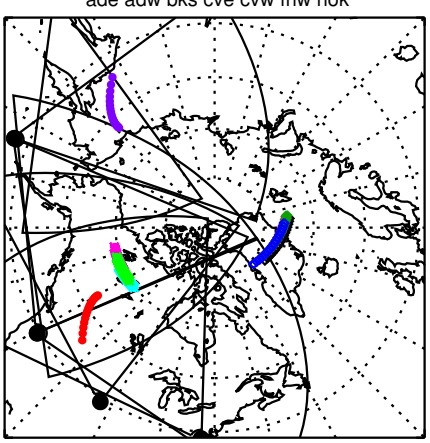


dce sps

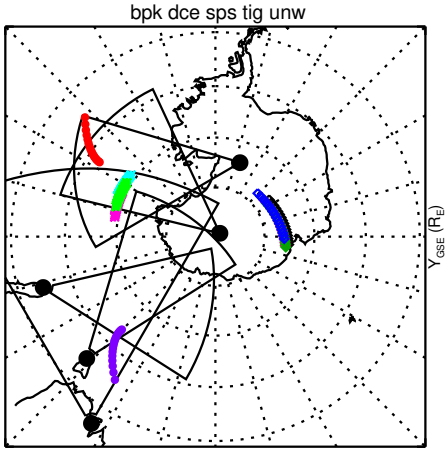


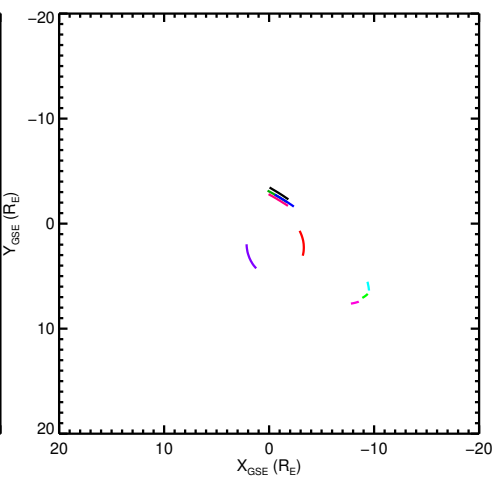


(b) 0530UT to 0655UT
ade adw bks cve cvw fhw hok

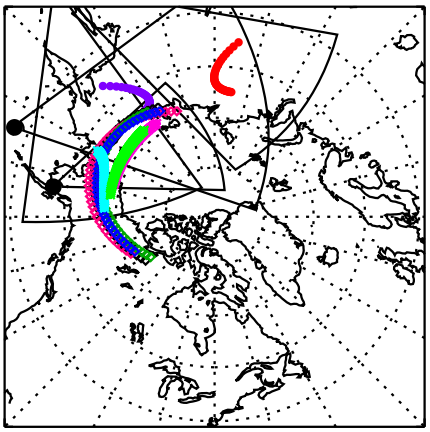


bpk dce sps tig unw

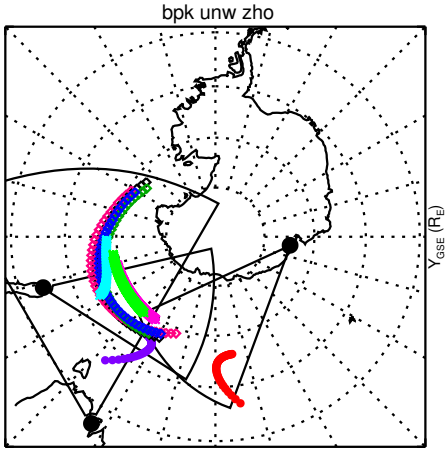


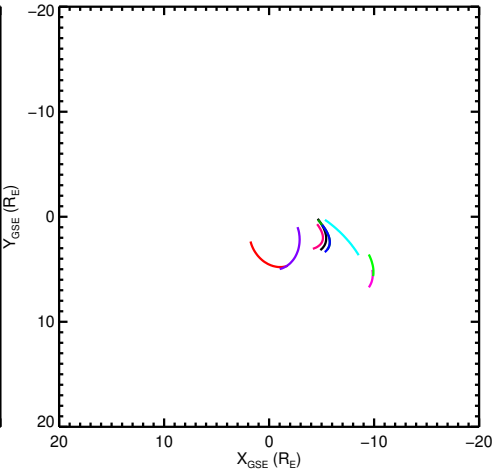


(c) 0905UT to 1230UT
adw hkw hok ksr

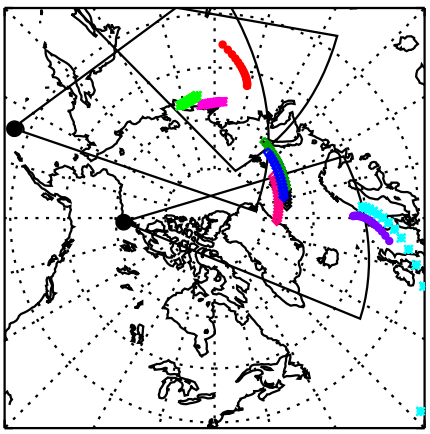


bpk unw zho

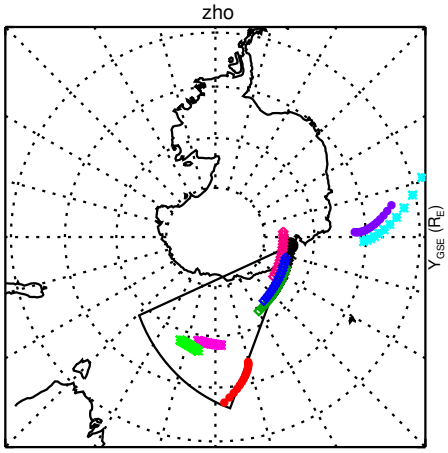


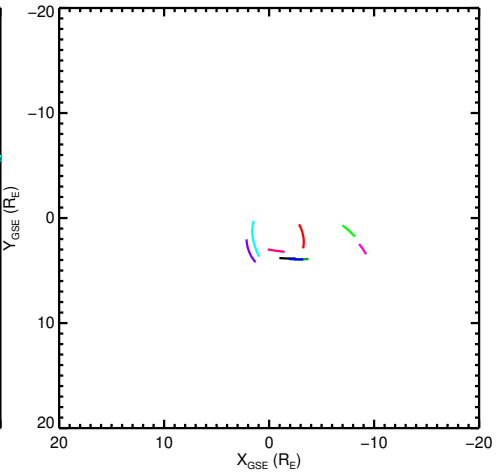


(d) 1435UT to 1555UT
adw hkw inv

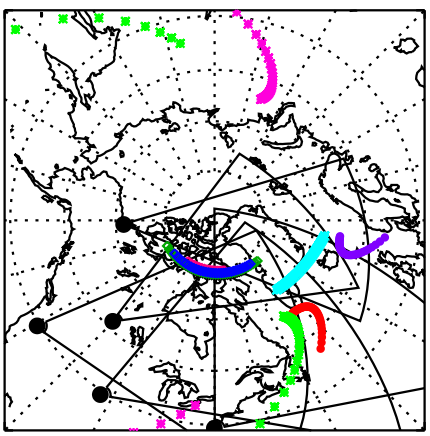


zho

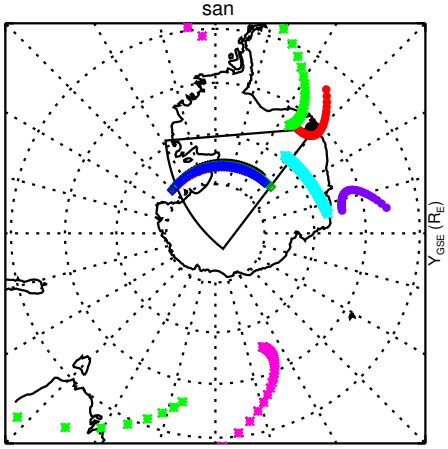


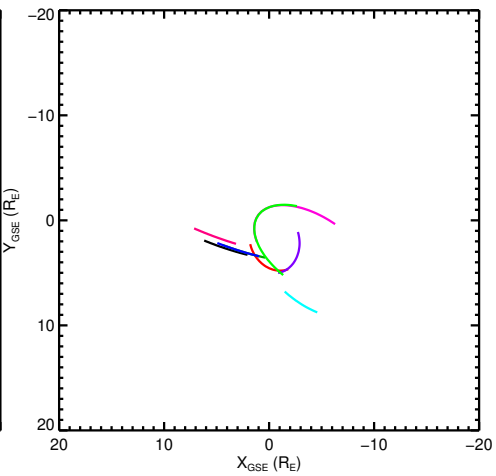


(e) 1800UT to 2130UT
cve fhe inv sas wal

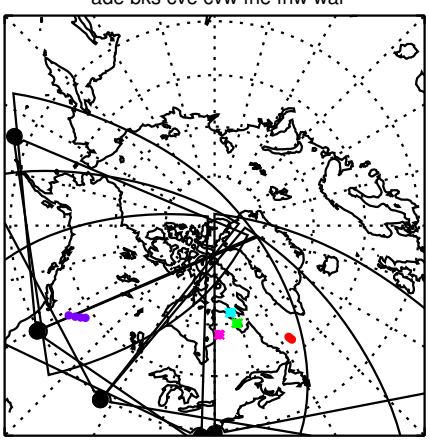


san

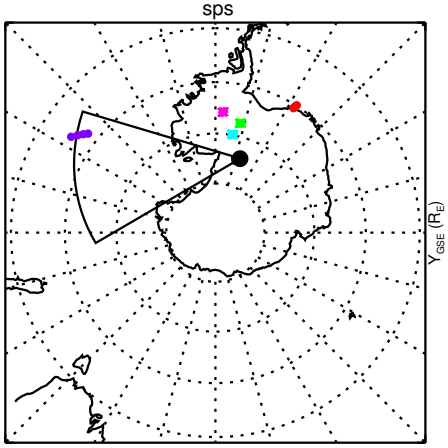


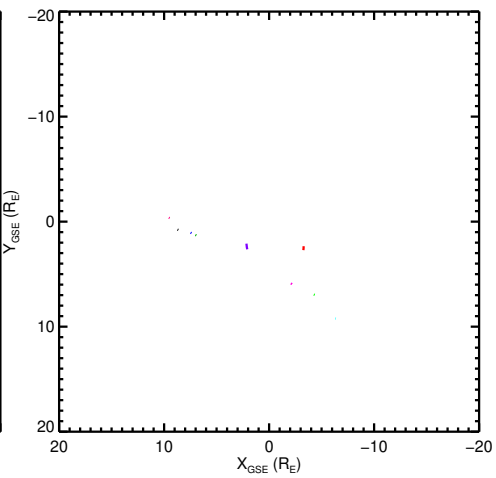


(f) 2340UT to 2355UT
ade bks cve cvw fhe fhw wal



sps

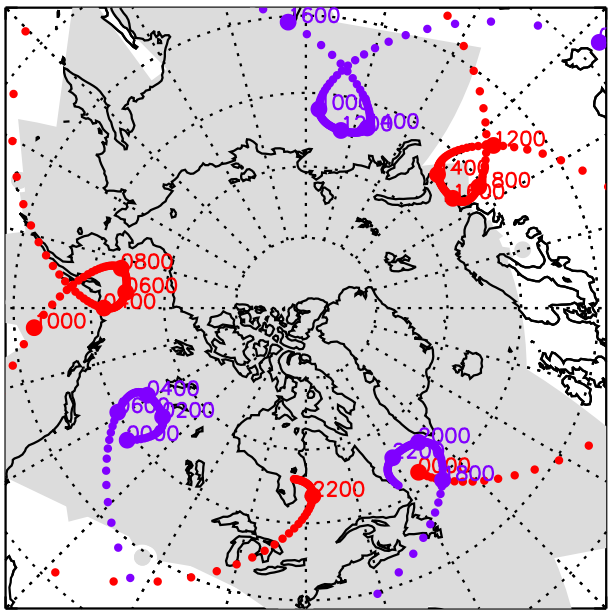


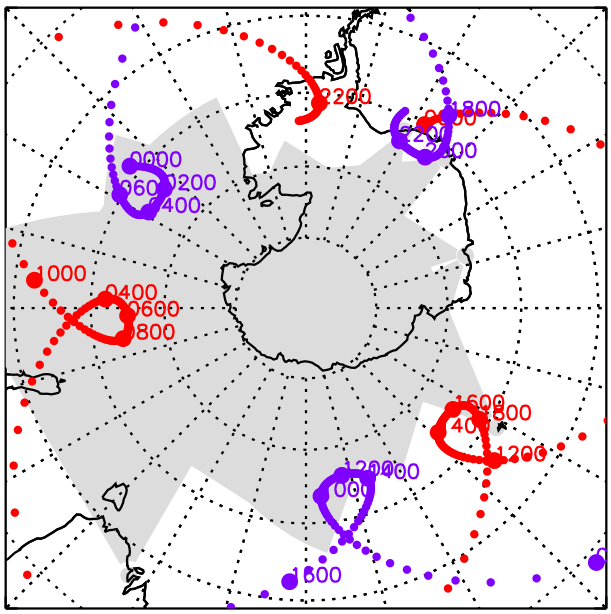


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

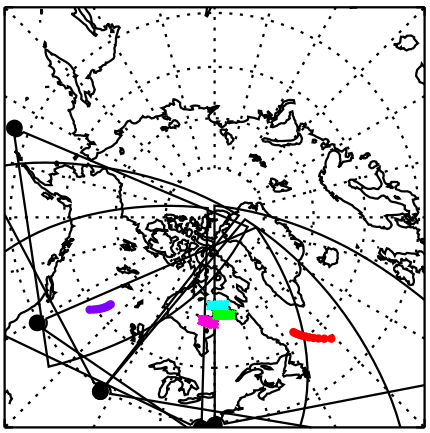
23–Mar–2017

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

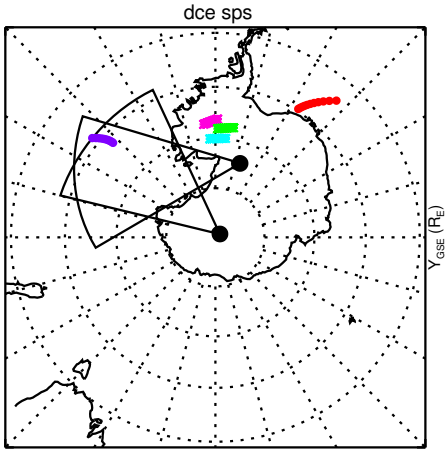


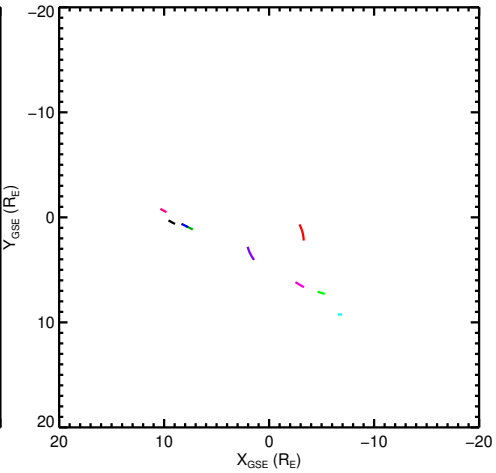


(a) 0000UT to 0050UT
ade bks cve fhe fhw wal

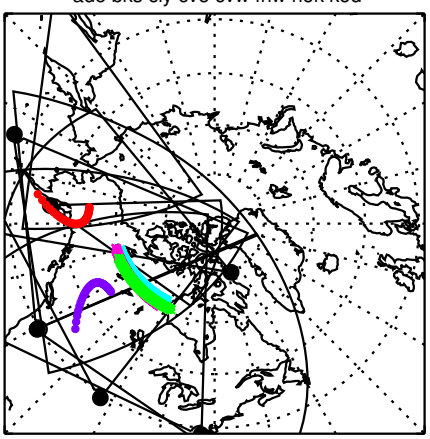


dce sps

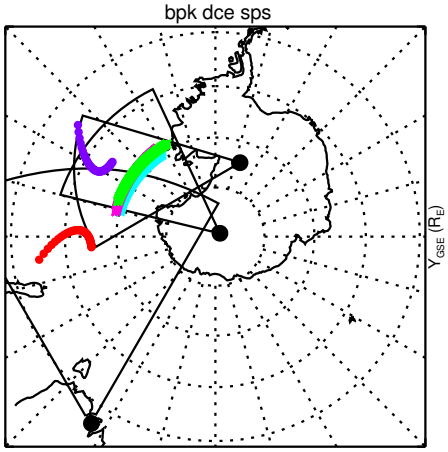


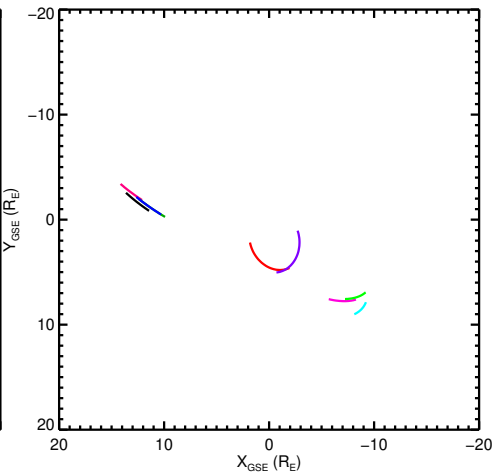


(b) 0255UT to 0635UT
ade bks cly cve cvw fhw hok kod

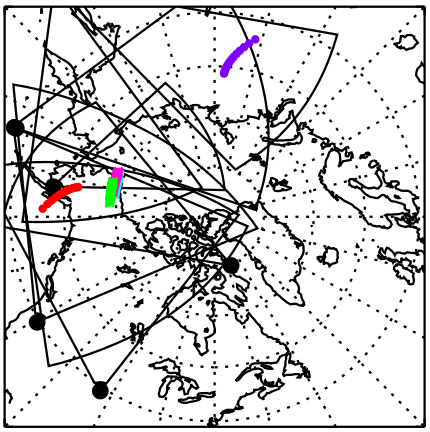


bpk dce sps

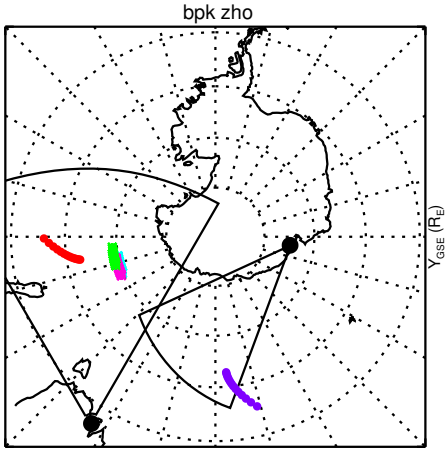


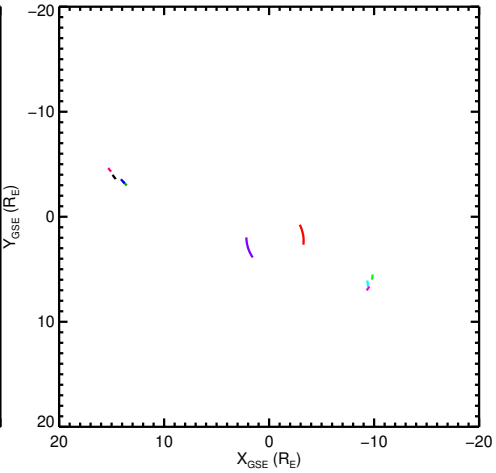


(c) 0840UT to 0945UT
ade adw cly cvw fhw hkw hok ksr

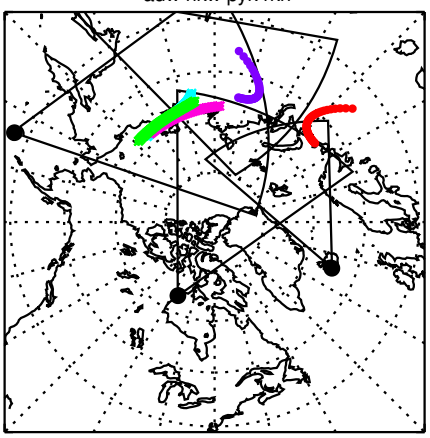


bpk zho

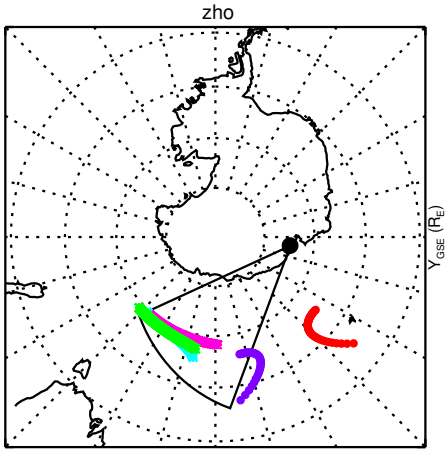


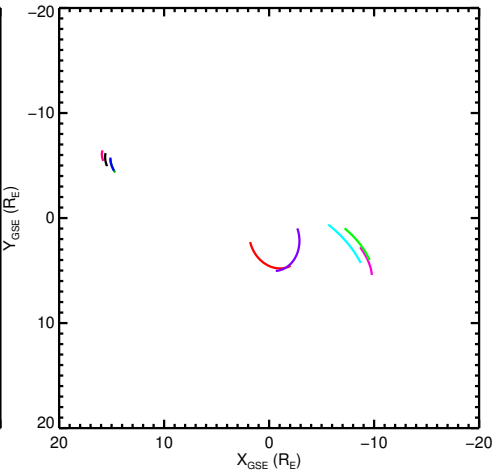


(d) 1155UT to 1540UT
adw hkw pyk rkn

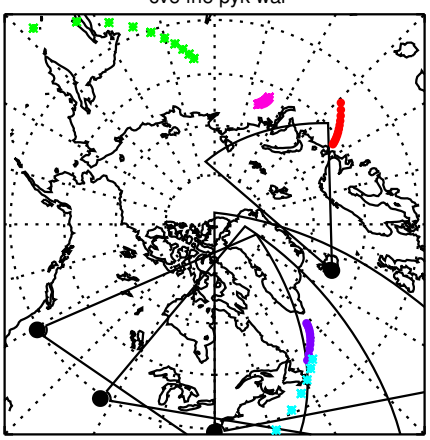


zho

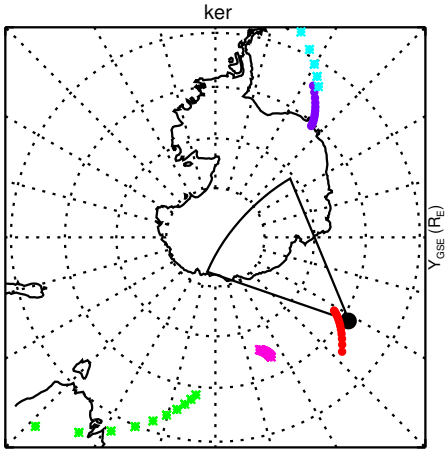


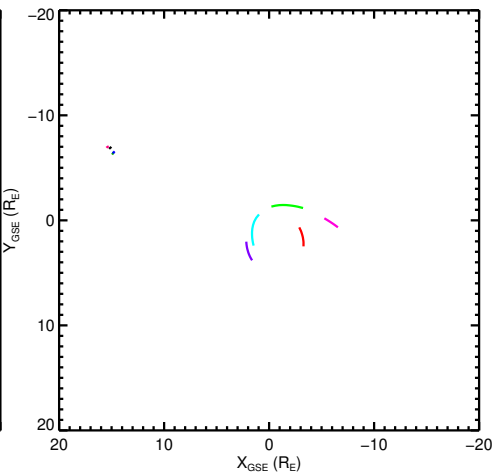


(e) 1745UT to 1845UT
cve fhe pyk wal

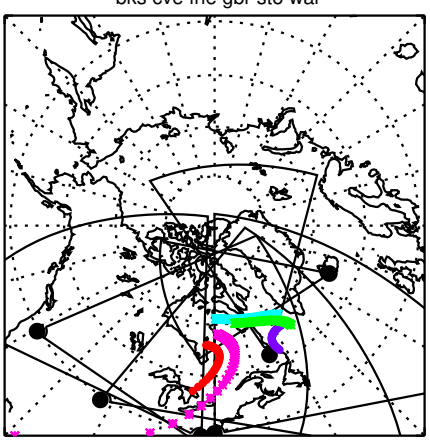


ker

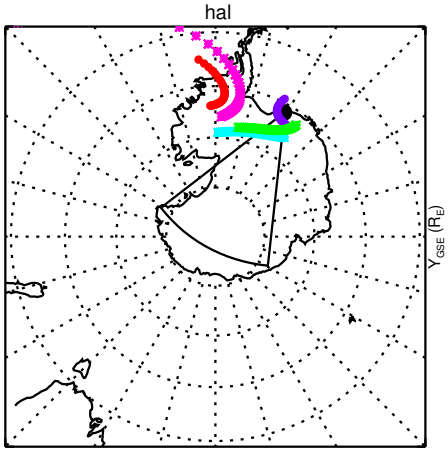


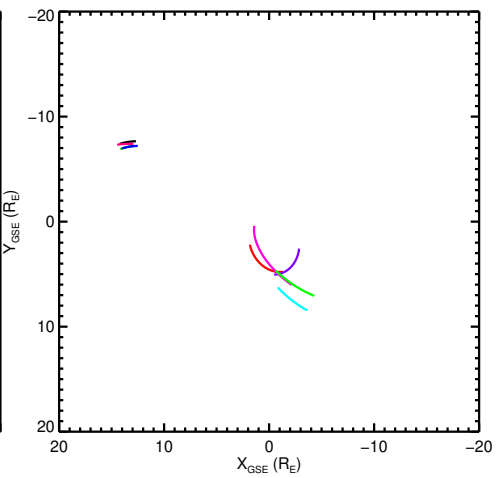


(f) 2050UT to 2355UT
bks cve fhe gbr sto wal



hal

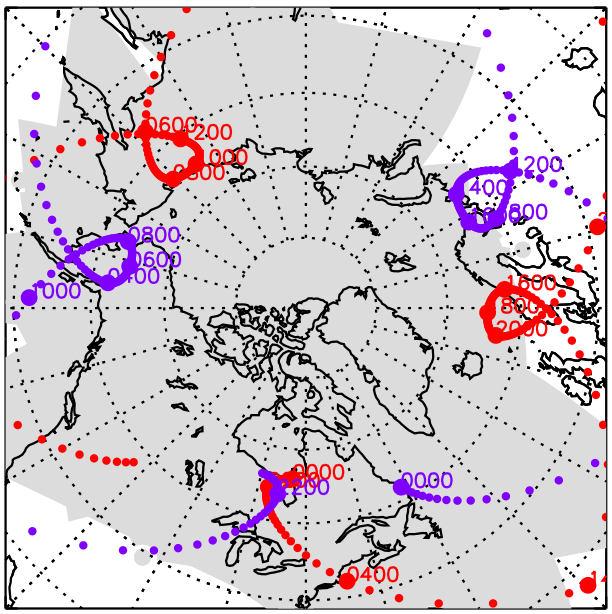


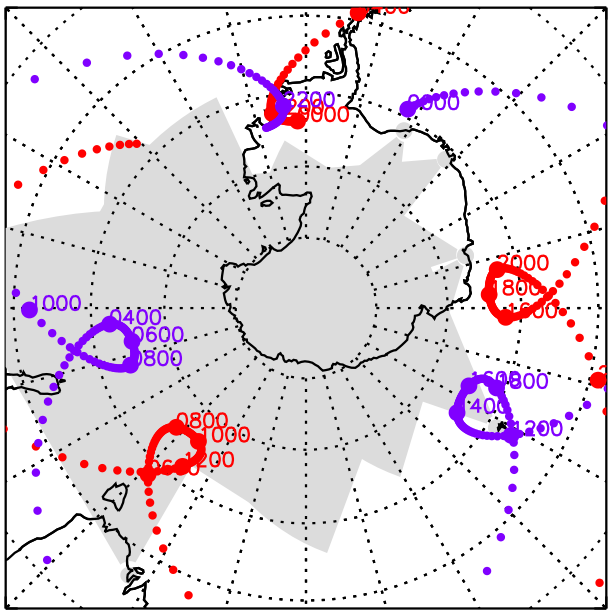


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

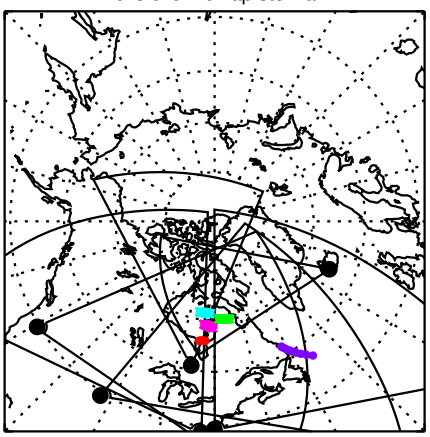
24–Mar–2017

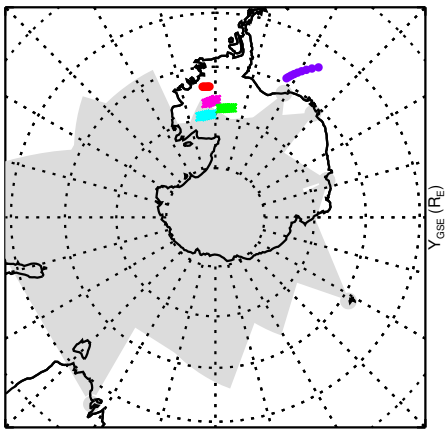
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

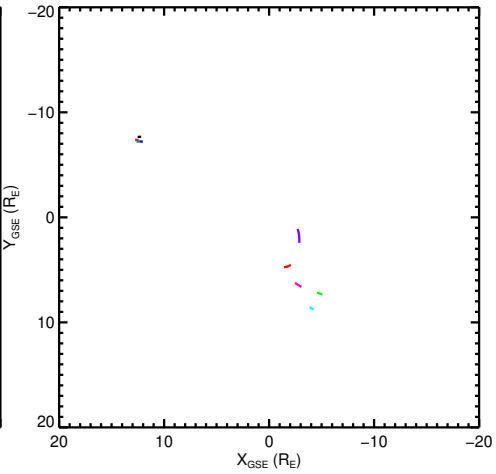




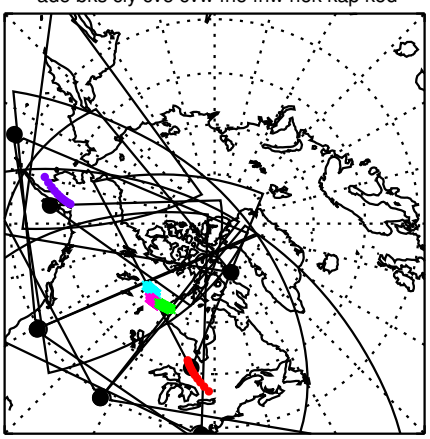
(a) 0000UT to 0040UT
bks cve fhe kap sto wal



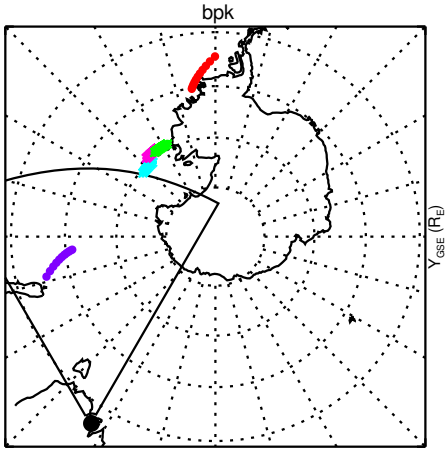


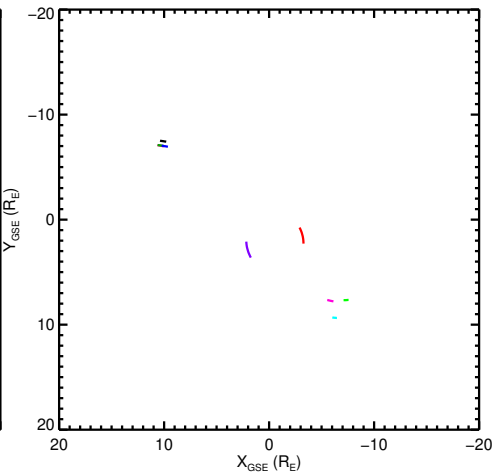


(b) 0250UT to 0340UT
ade bks cly cve cvw fhe fhw hok kap kod

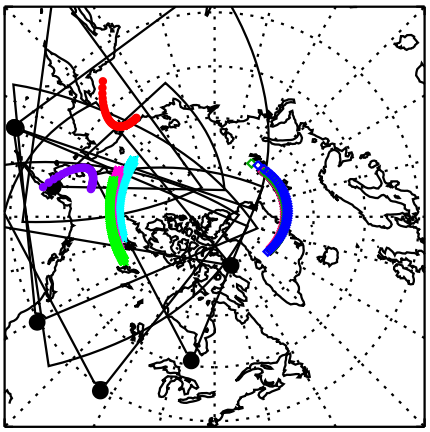


bpk

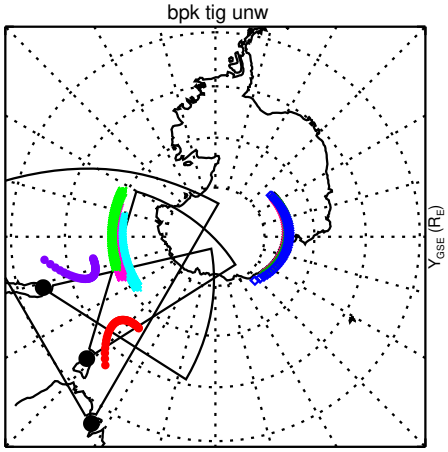


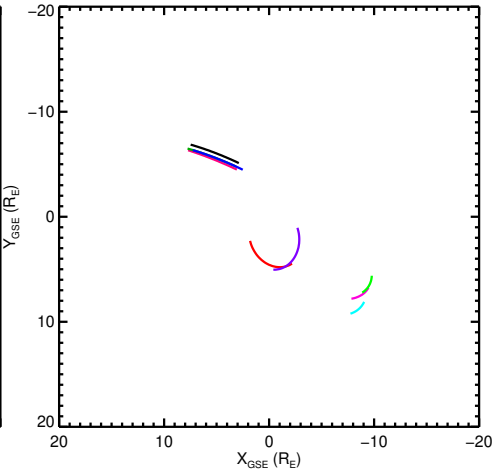


(c) 0550UT to 0945UT
ade adw cly cvw fhw hok kap ksr

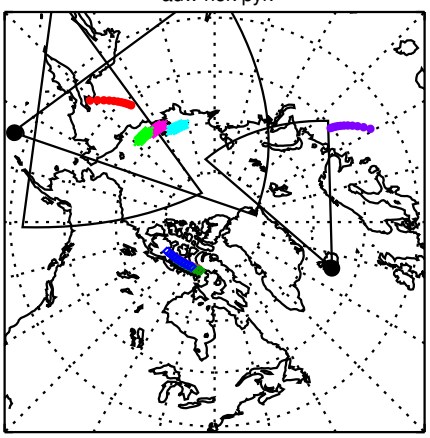


bpk tig unw

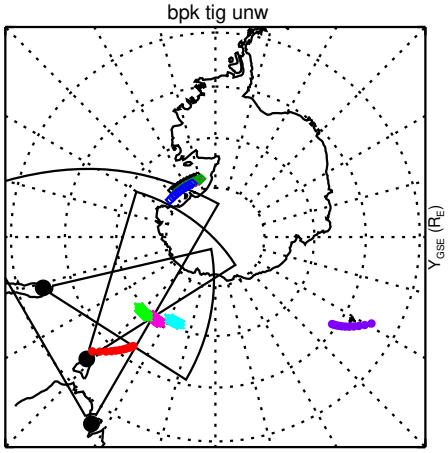


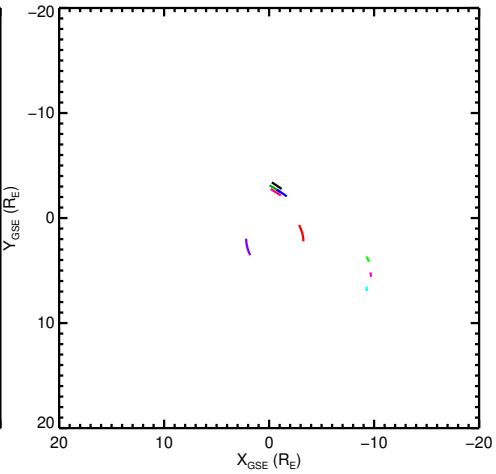


(d) 1150UT to 1240UT
adw hok pyk

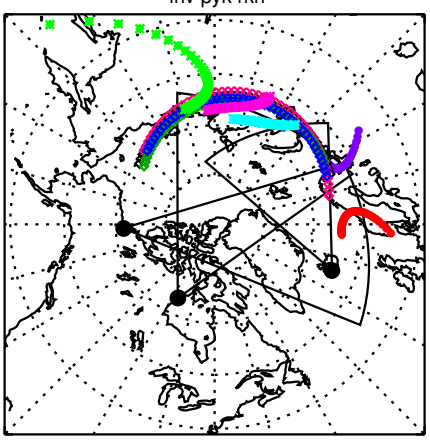


bpk tig unw





(e) 1445UT to 1845UT
inv pyk rkn



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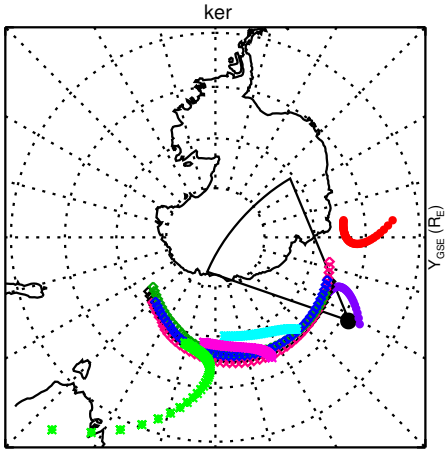
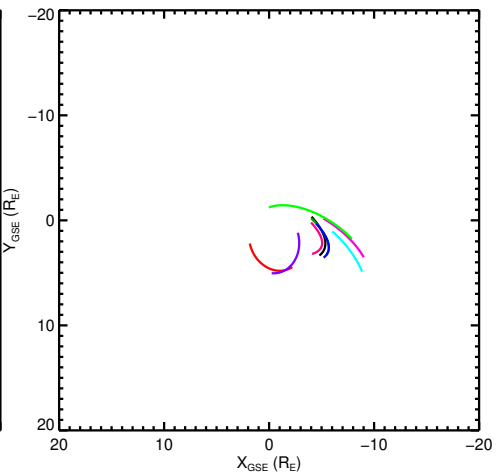
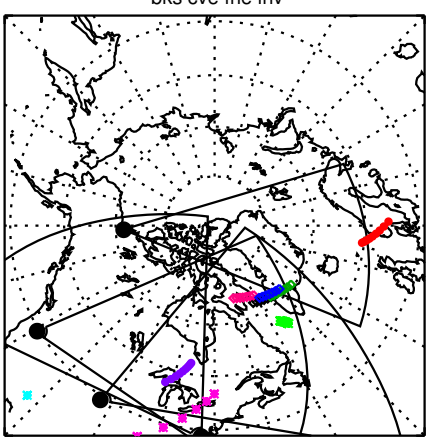
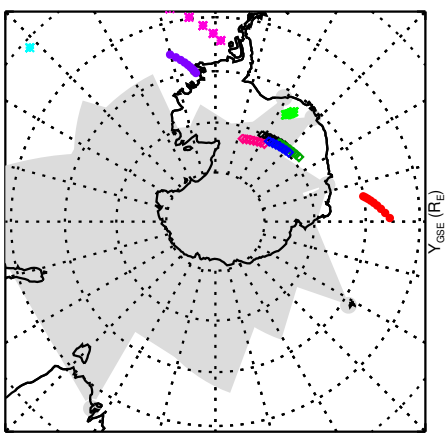
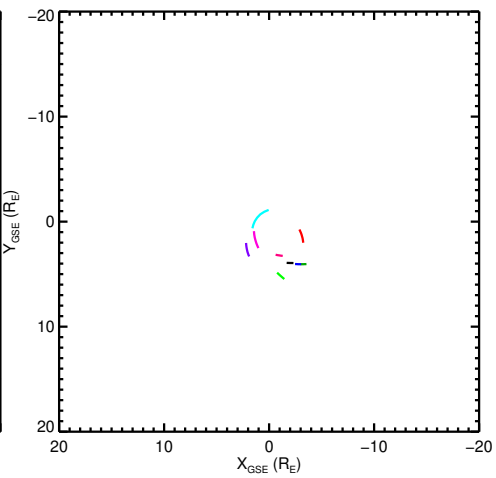


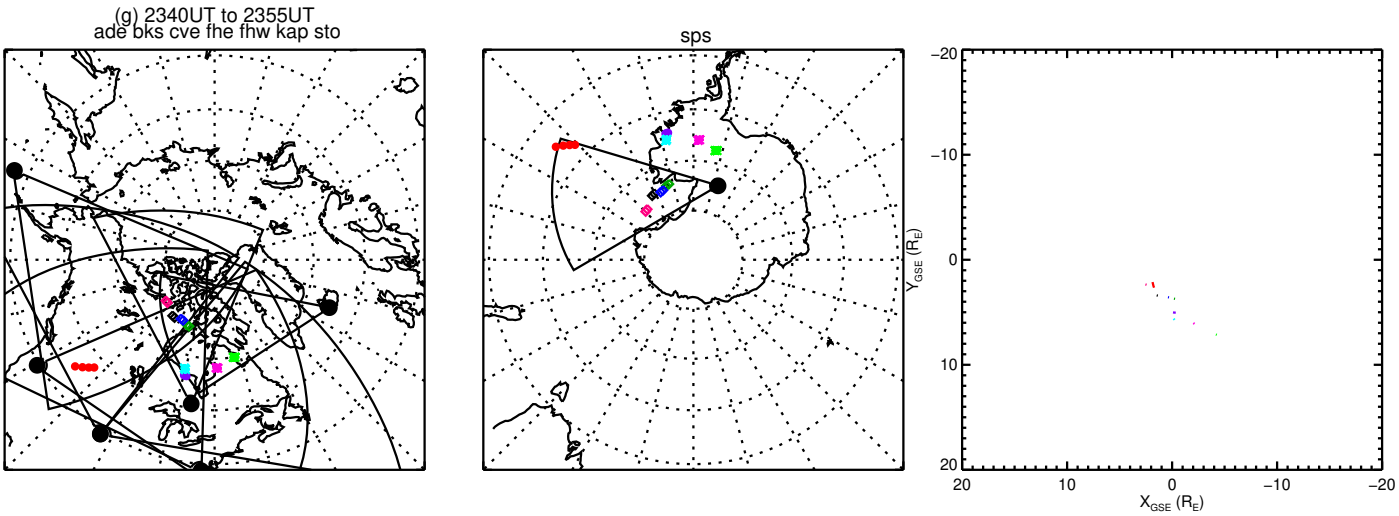


(f) 2055UT to 2135UT
bks cve fhe inv





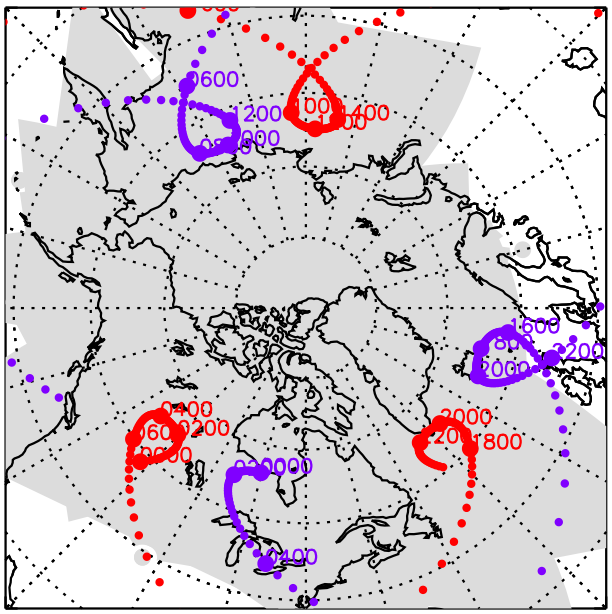


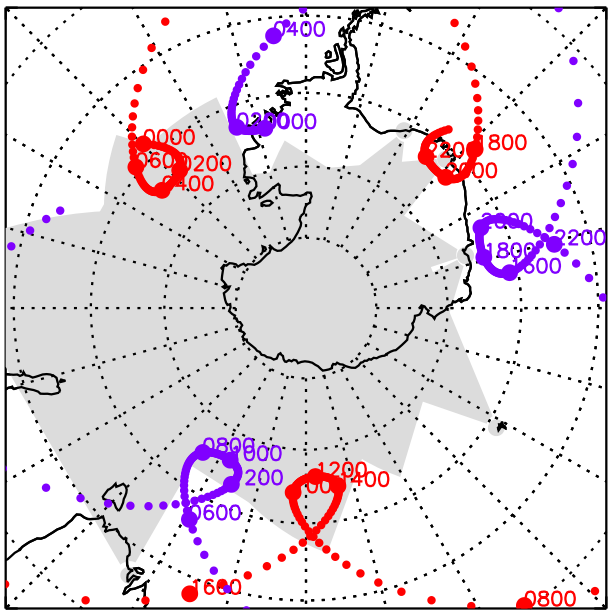

(g) 2340UT to 2355UT
ade bks cve fhe fhw kap sto
sps
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

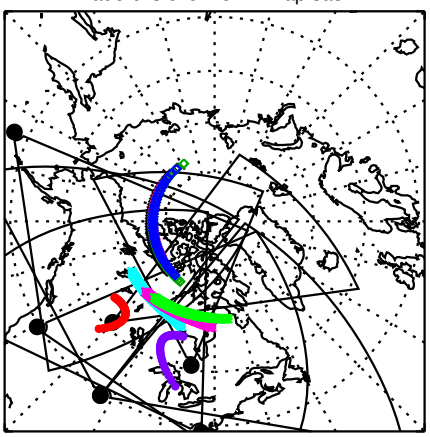
25–Mar–2017

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

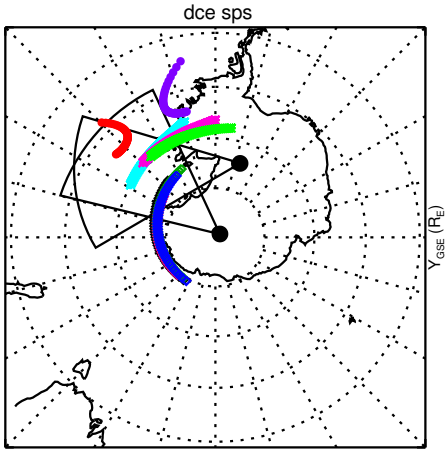


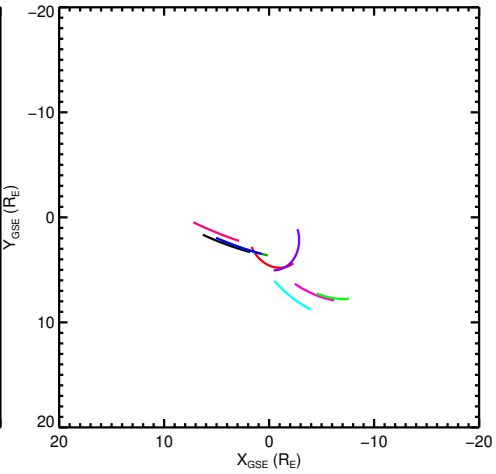


(a) 0000UT to 0350UT
ade bks cve fhe fhw kap sas

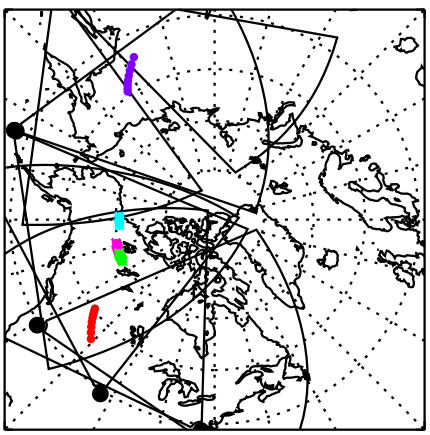


dce sps

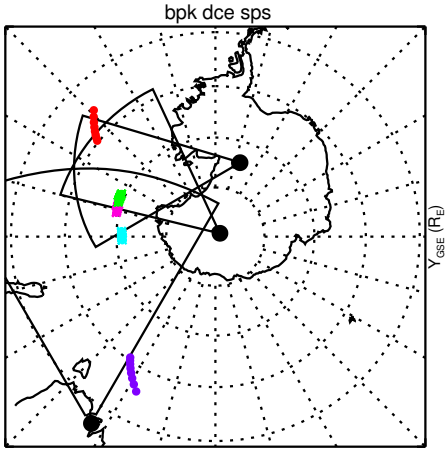


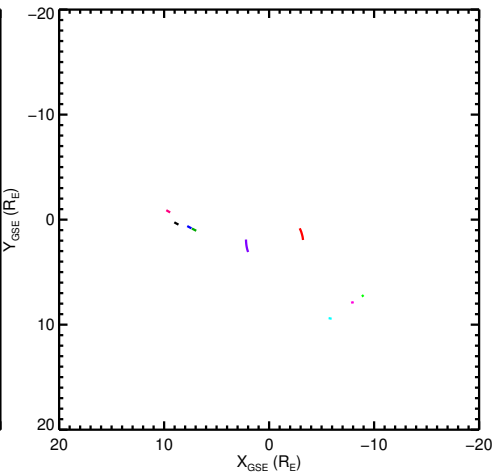


(b) 0555UT to 0630UT
ade adw bks cve fhw hkw hok

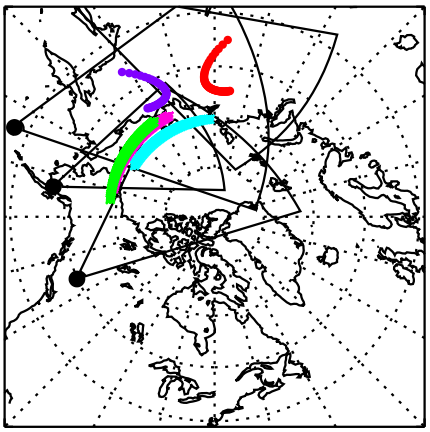


bpk dce sps

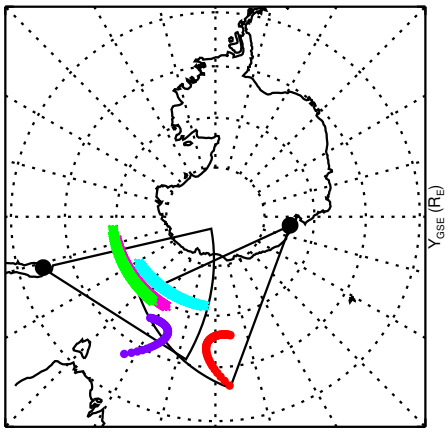


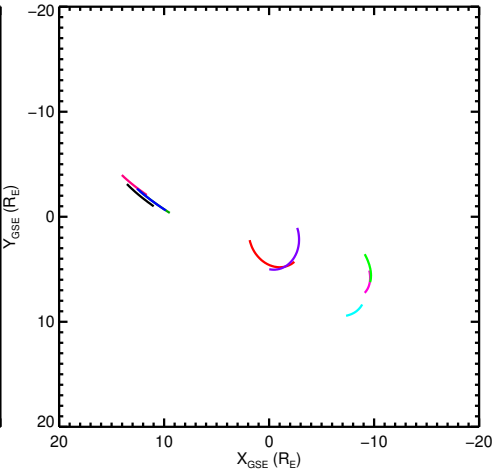


(c) 0840UT to 1255UT
adw hkw ksr pgr

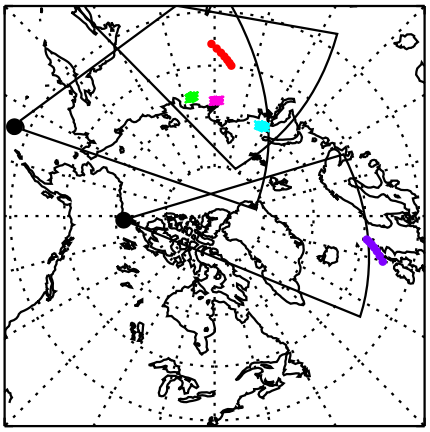


unw zho

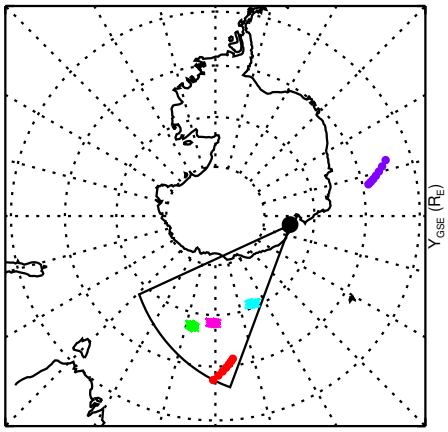


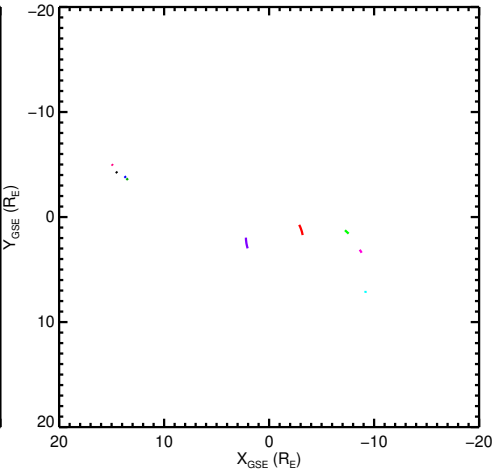


(d) 1500UT to 1530UT
adw hkw inv

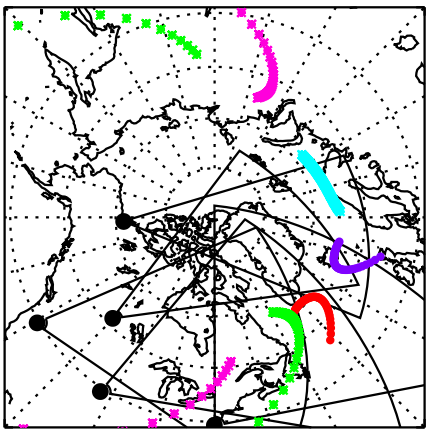


zho

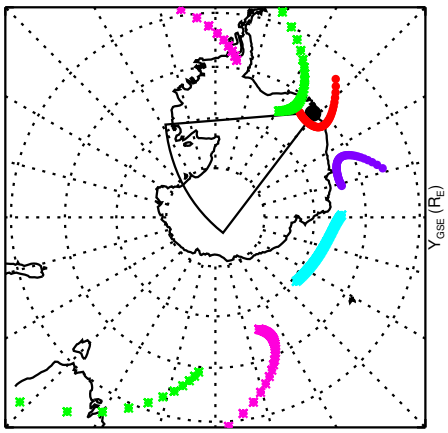


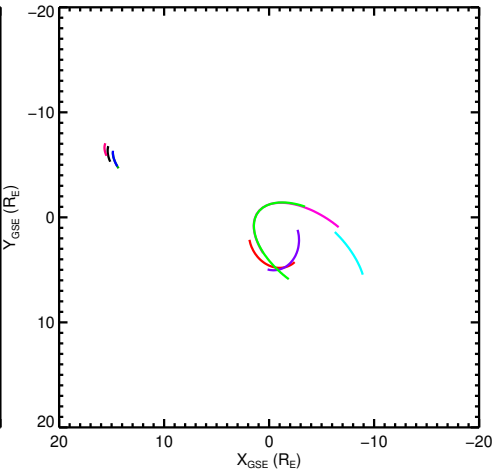


(e) 1735UT to 2155UT
cve fhe inv sas wal



san

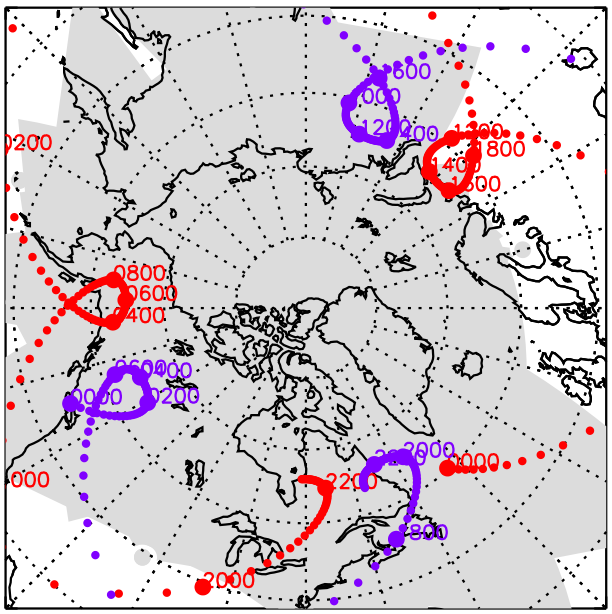


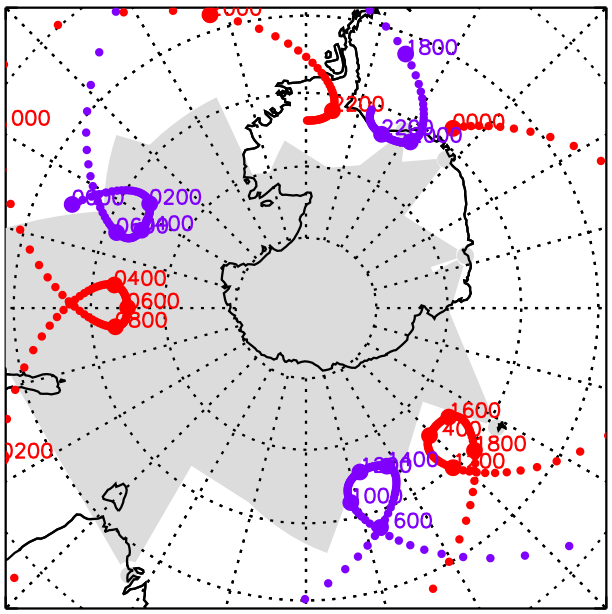


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

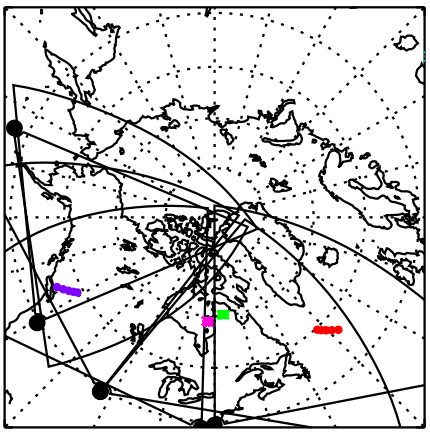
26–Mar–2017

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

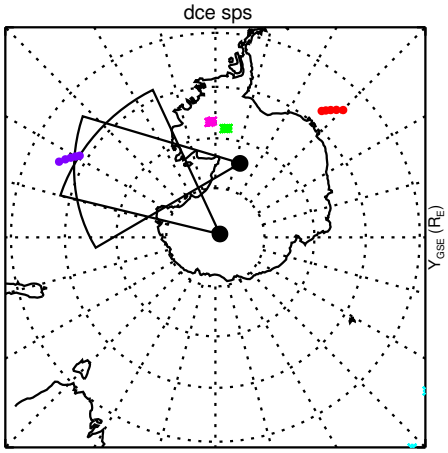


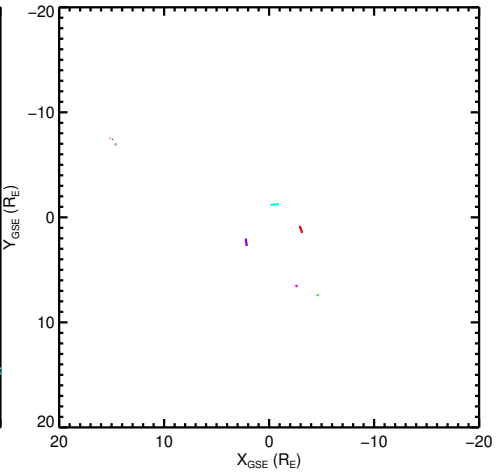


(a) 0005UT to 0025UT
ade bks cvw fhe fhw wal

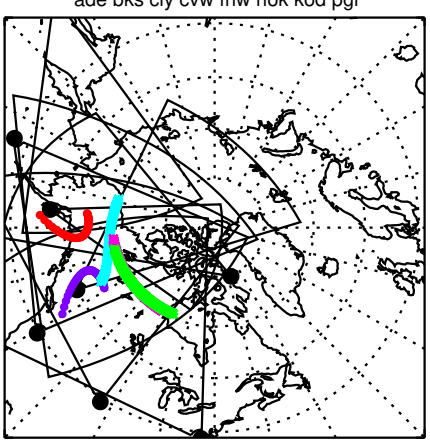


dce sps

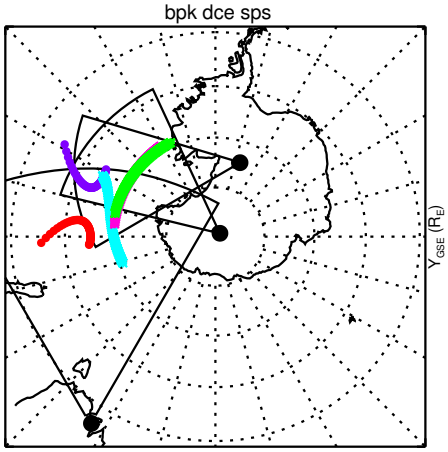


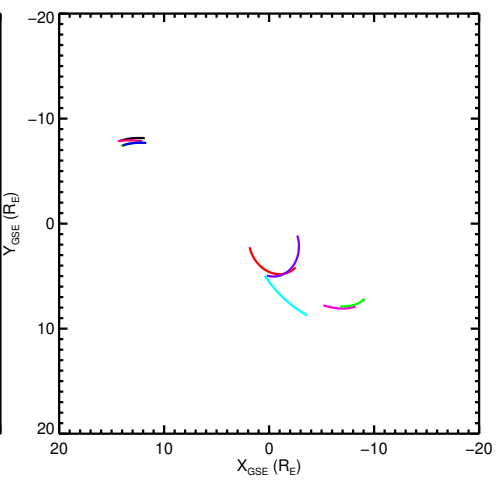


(b) 0235UT to 0700UT
ade bks cly cvw fhw hok kod pgr

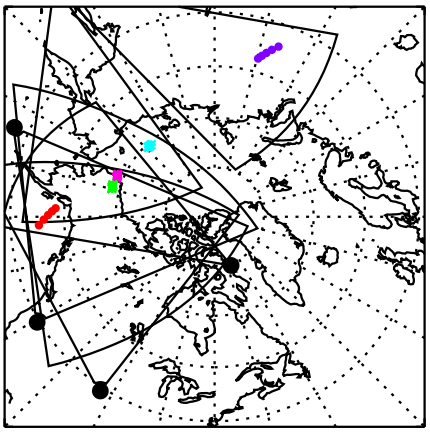


bpk dce sps

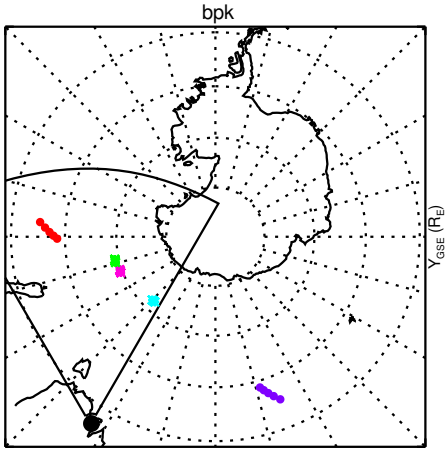


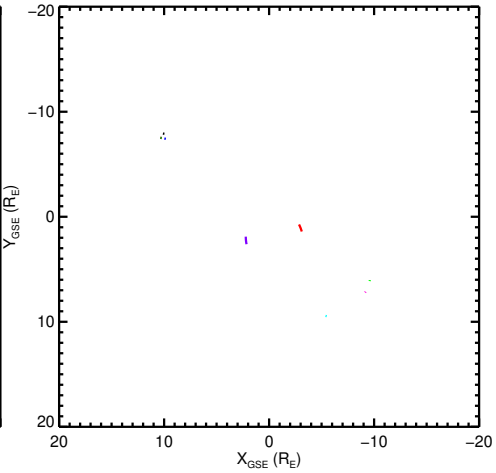


(c) 0905UT to 0925UT
ade cly cvw fhw hkw hok

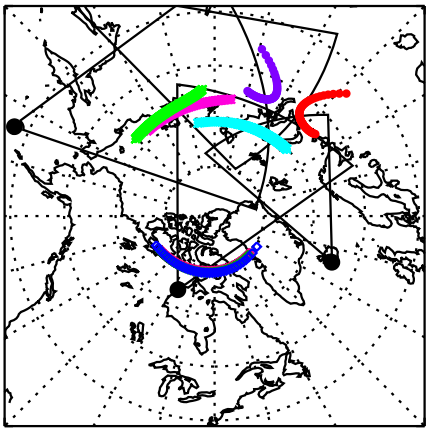


bpk

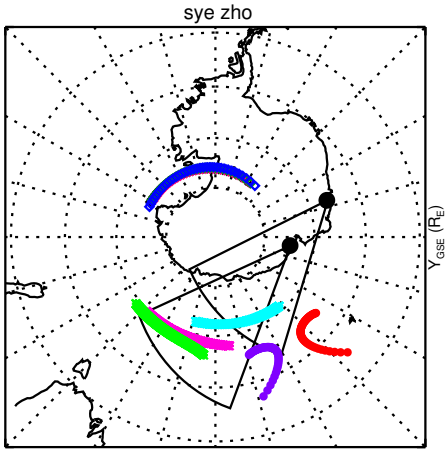


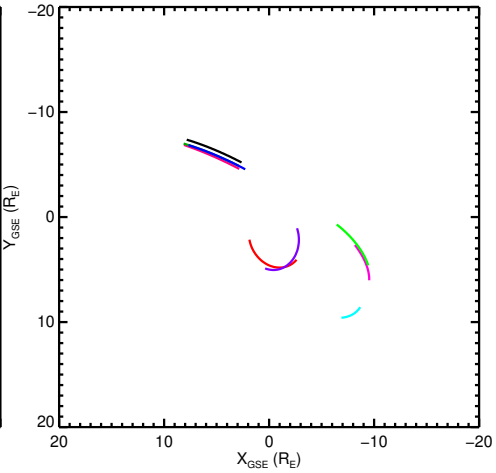


(d) 1130UT to 1605UT
adw hkw pyk rkn

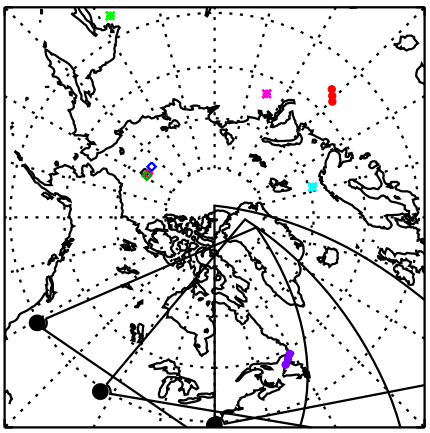


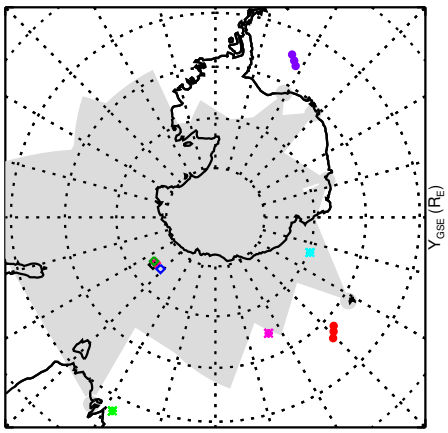
sye zho

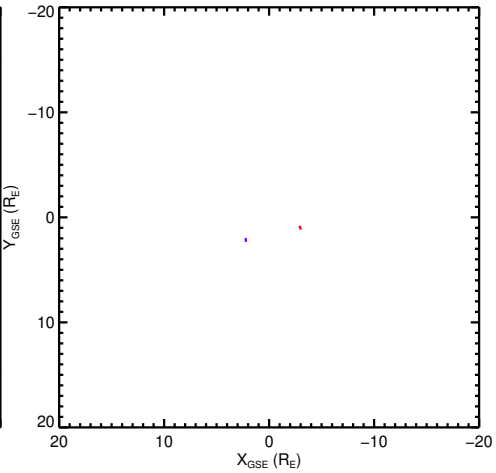




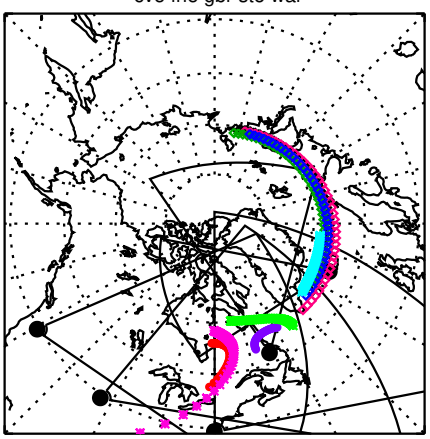
(e) 1810UT to 1820UT
cve fhe wal







(f) 2030UT to 2355UT
cve fhe gbr sto wal



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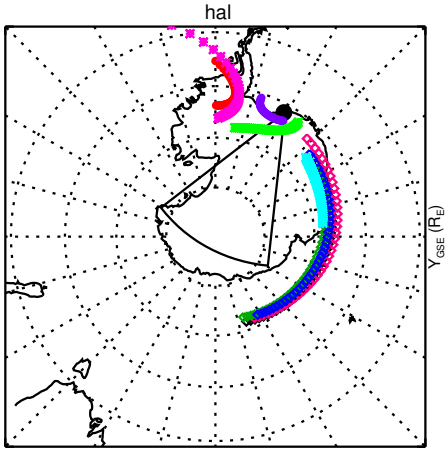
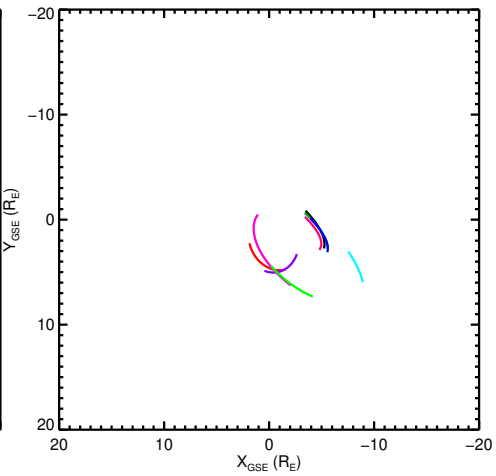
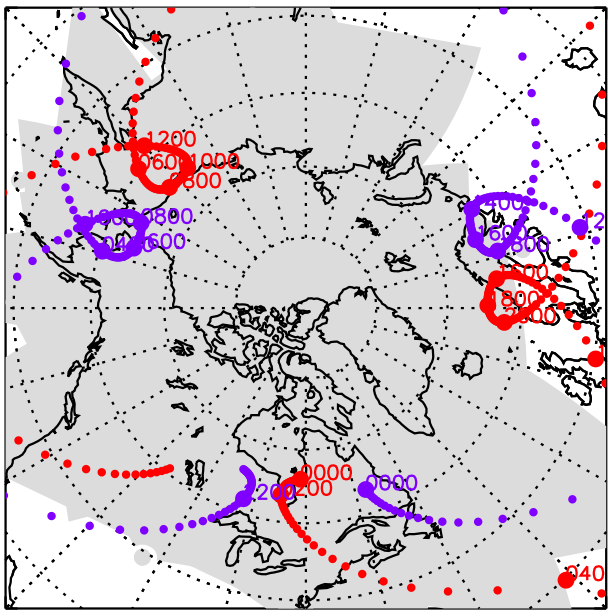


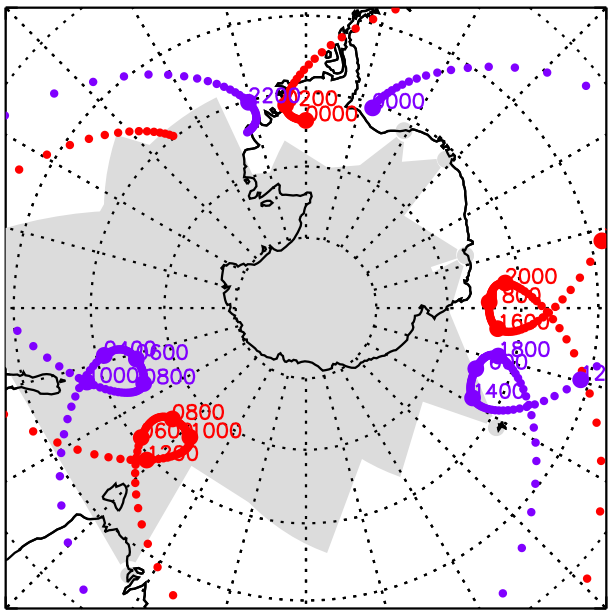


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

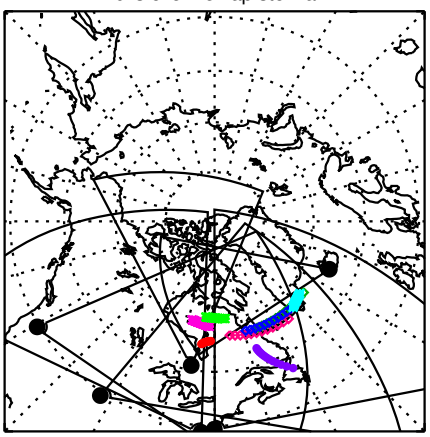
27–Mar–2017

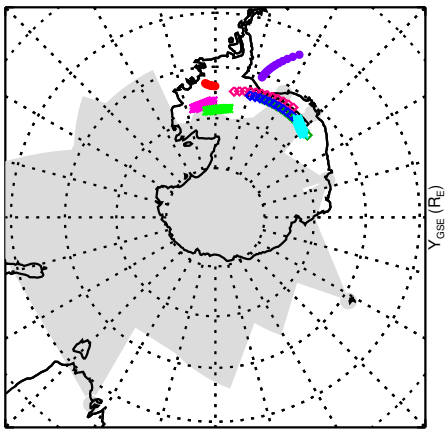
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

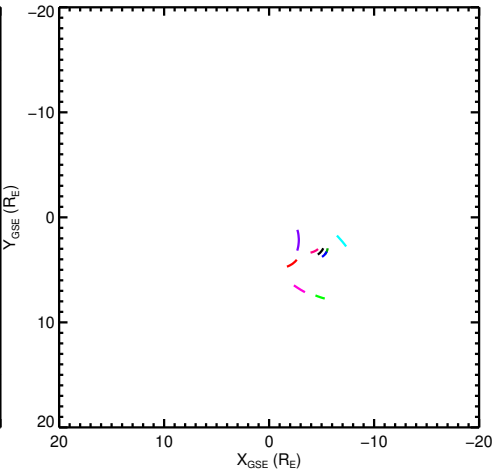




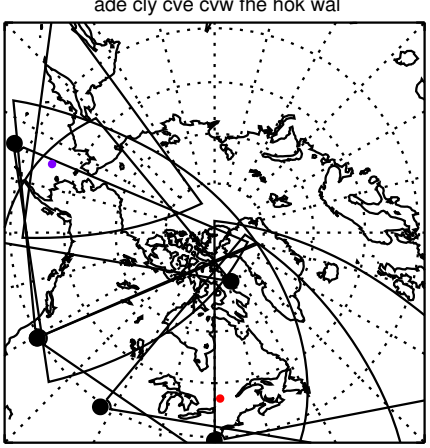
(a) 0000UT to 0105UT
bks cve fhe kap sto wal



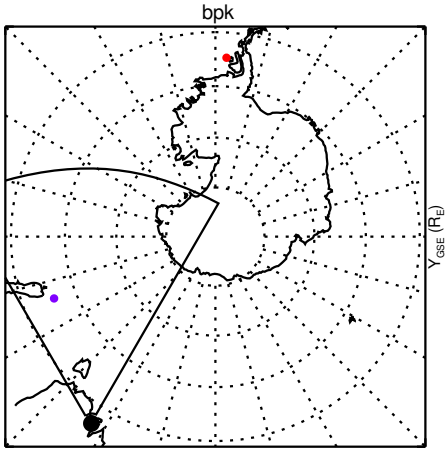


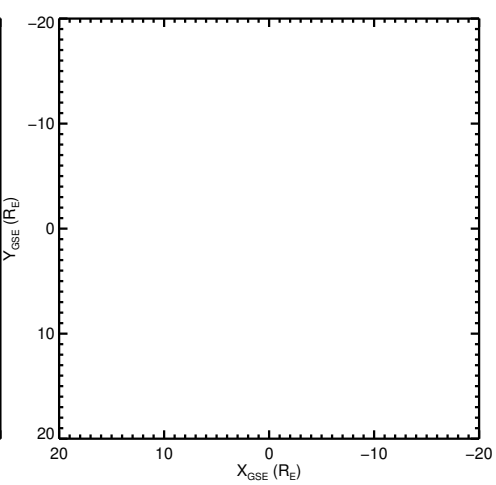


(b) 0315UT to 0315UT
ade cly cve cvw fhe hok wal

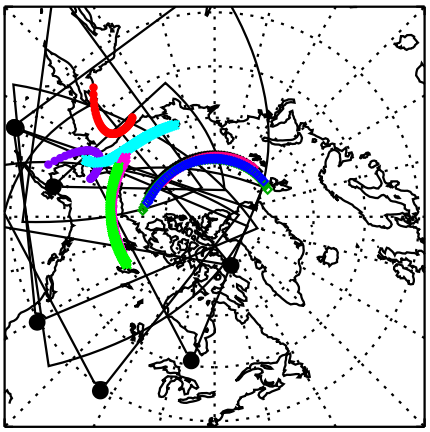


bpk

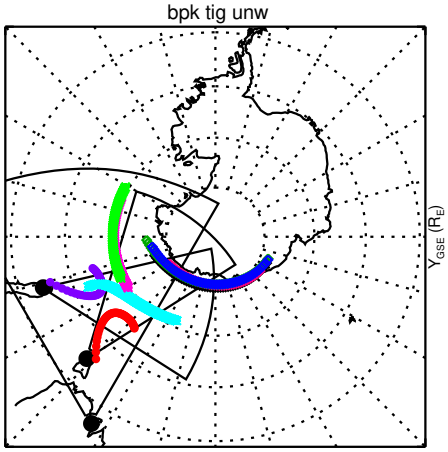


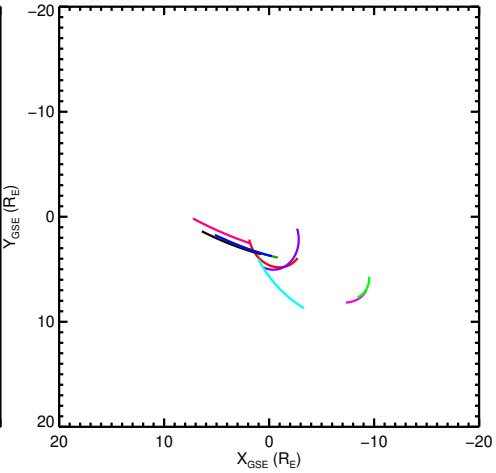


(c) 0525UT to 1010UT
ade adw cly cvw fhw hok kap ksr

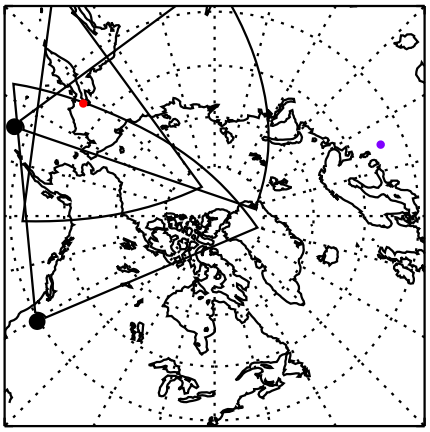


bpk tig unw

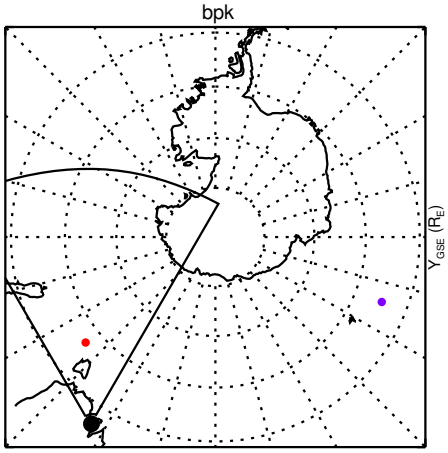


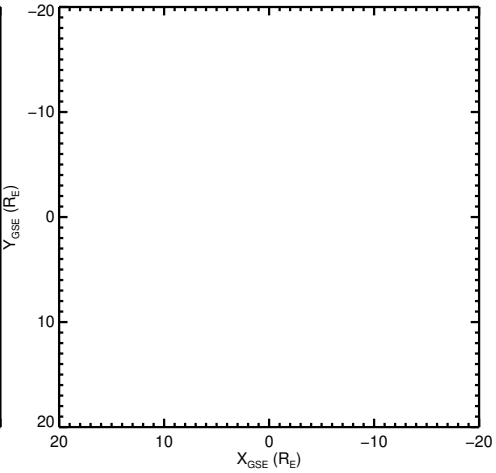


(d) 1215UT to 1215UT
adw cvw hok

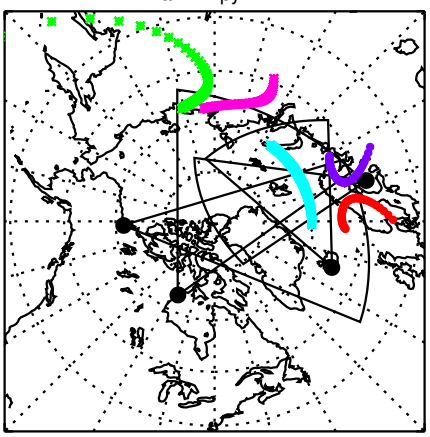


bpk

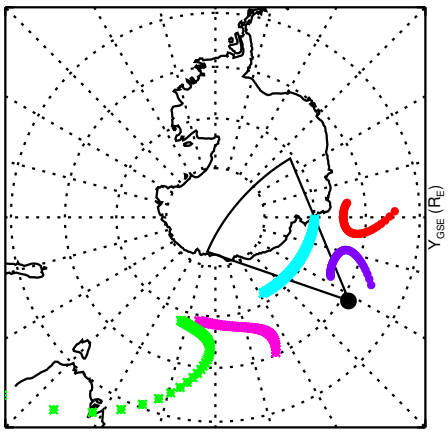


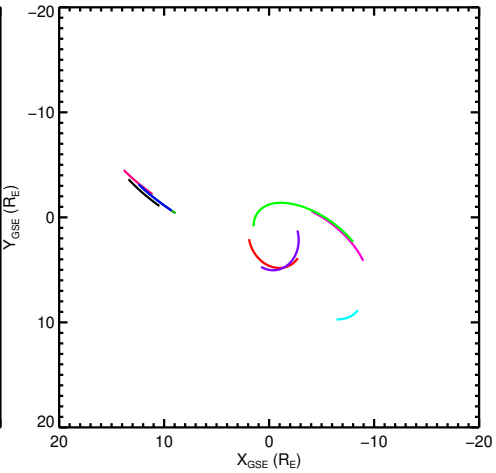


(e) 1420UT to 1910UT
han inv pyk rkn

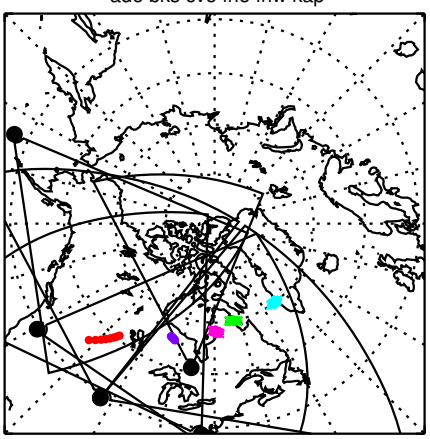


ker

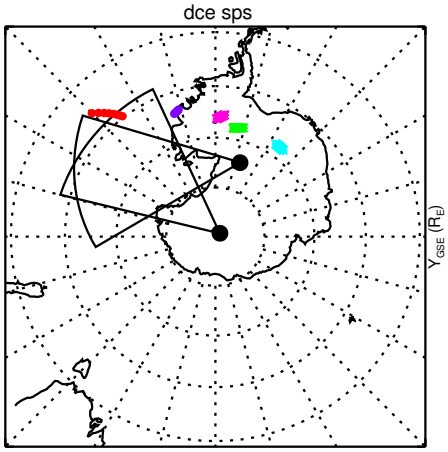


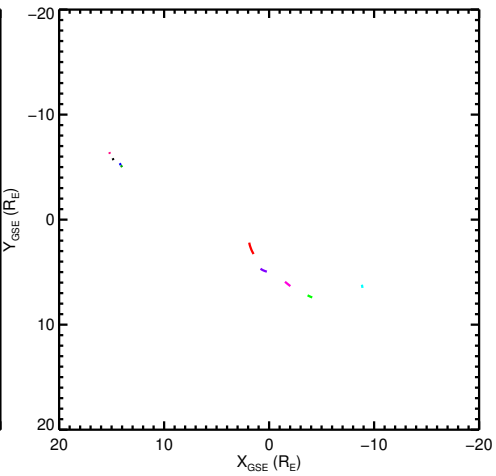


(f) 2320UT to 2355UT
ade bks cve fhe fhw kap



dce sps

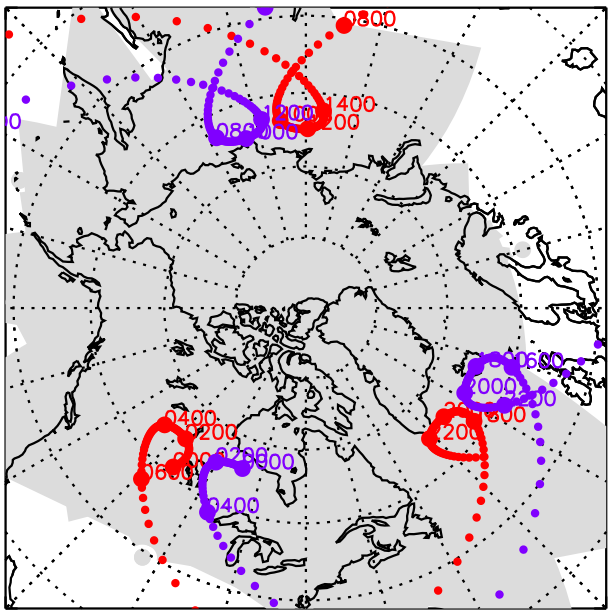


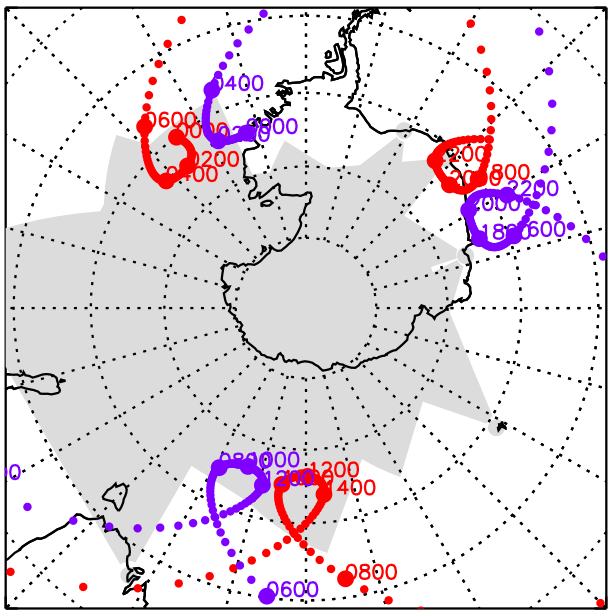


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

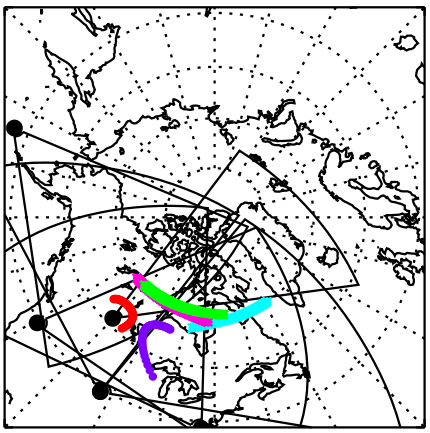
28–Mar–2017

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

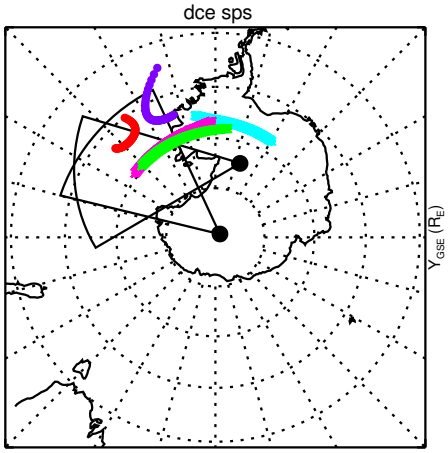


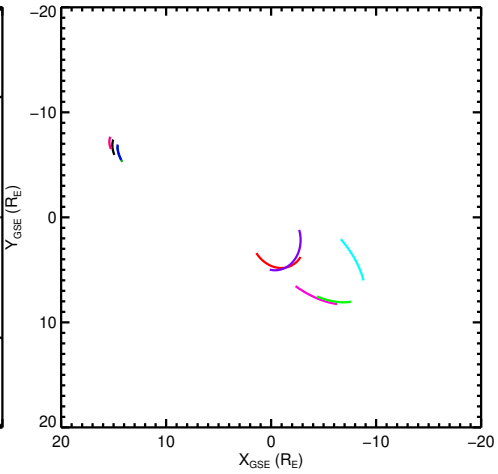


(a) 0000UT to 0415UT
ade bks cve fhe fhw sas

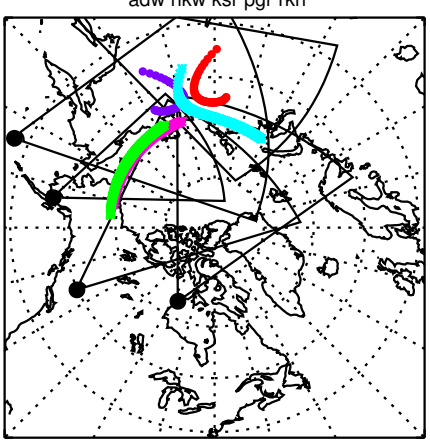


dce sps

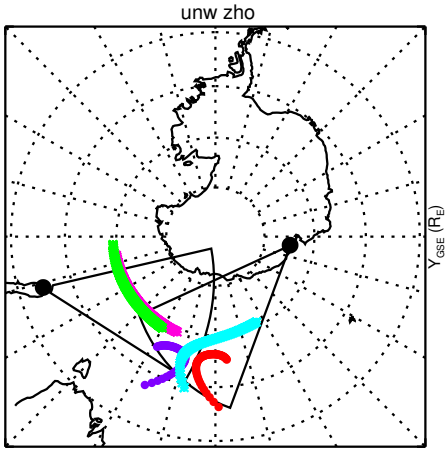


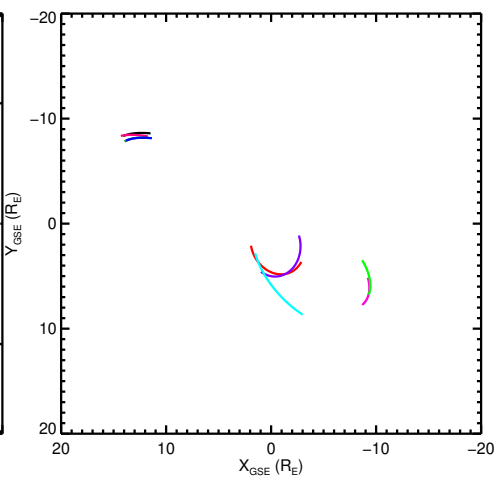


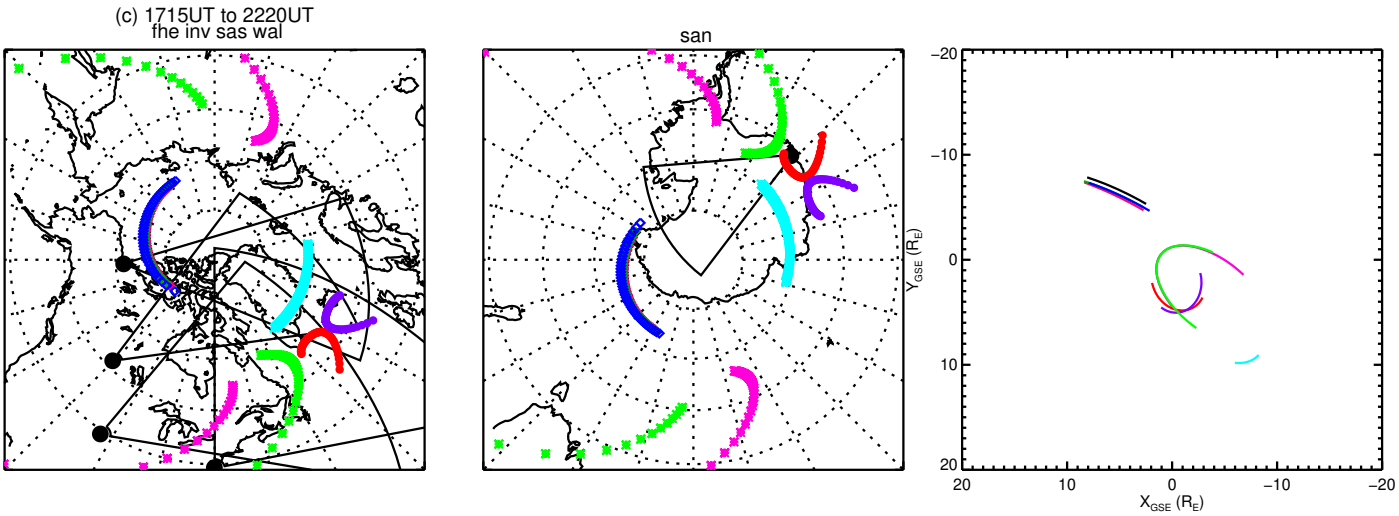
(b) 0815UT to 1320UT
adw hkw ksr pgr rkn



unw zho



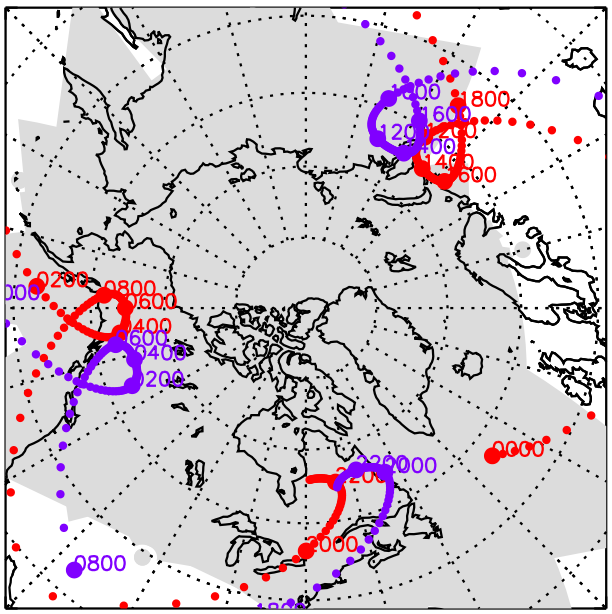


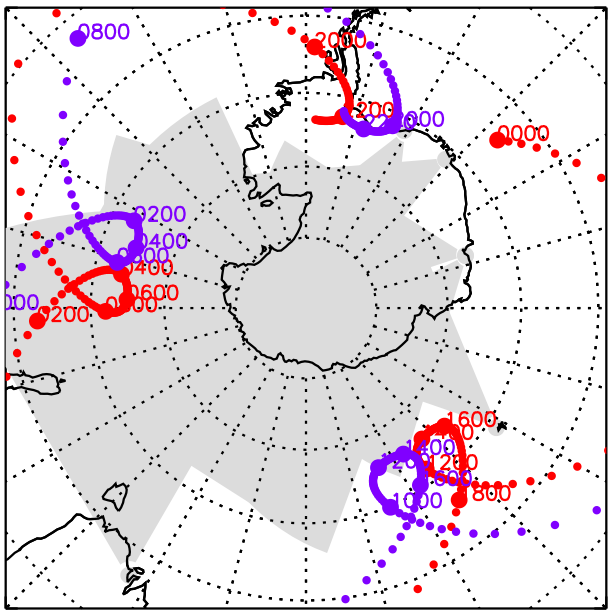

(c) 1715UT to 2220UT
fhe inv sas wal
san
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

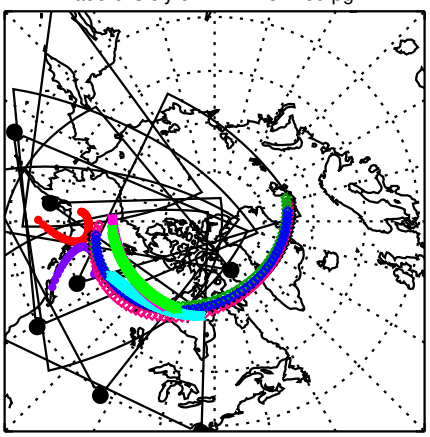
29–Mar–2017

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

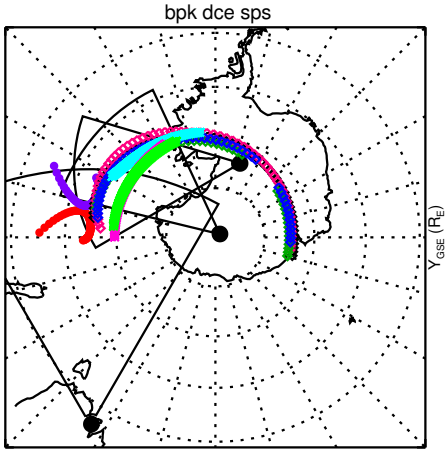


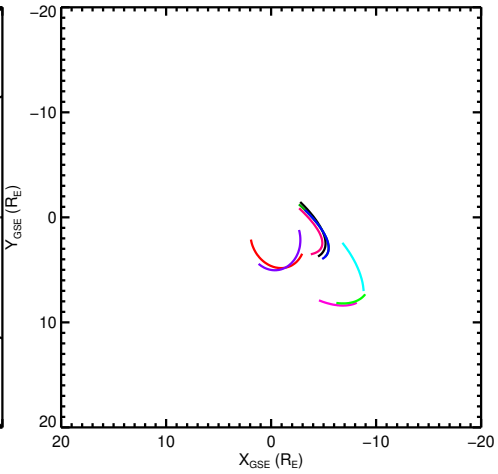


(a) 0210UT to 0725UT
ade bks cly cvw fhw hok kod pgr

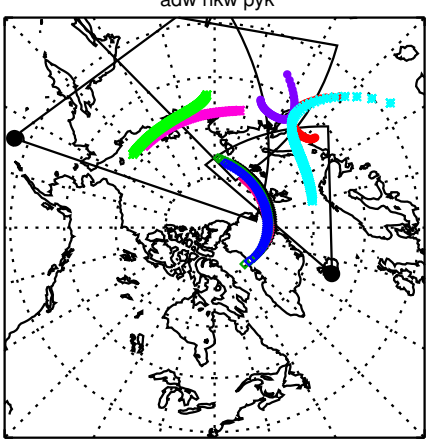


bpk dce sps

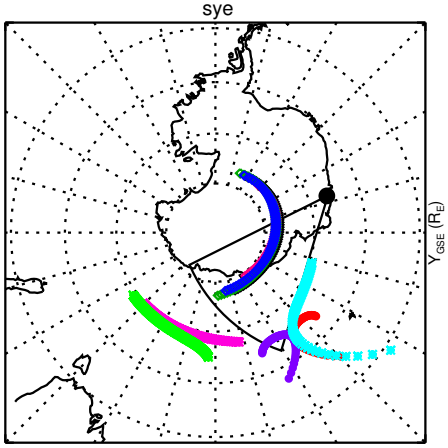


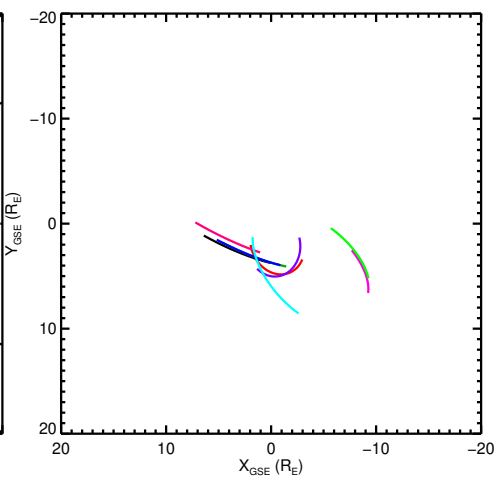


(b) 1105UT to 1625UT
adw hkw pyk

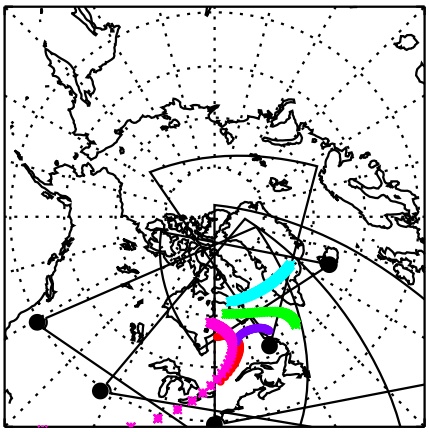


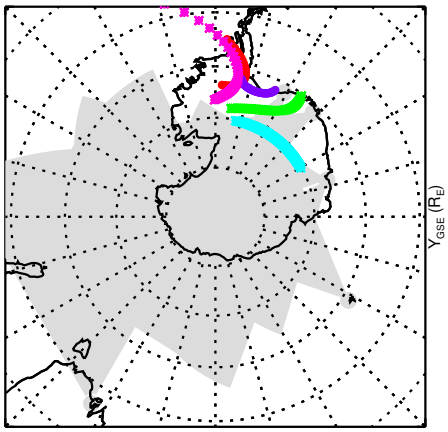
sye

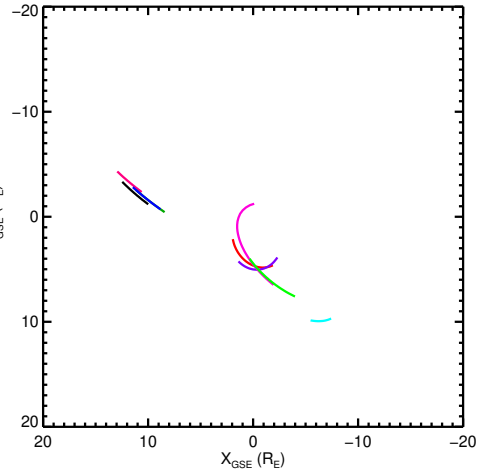




(c) 2005UT to 2355UT
cve fhe gbr sto wal



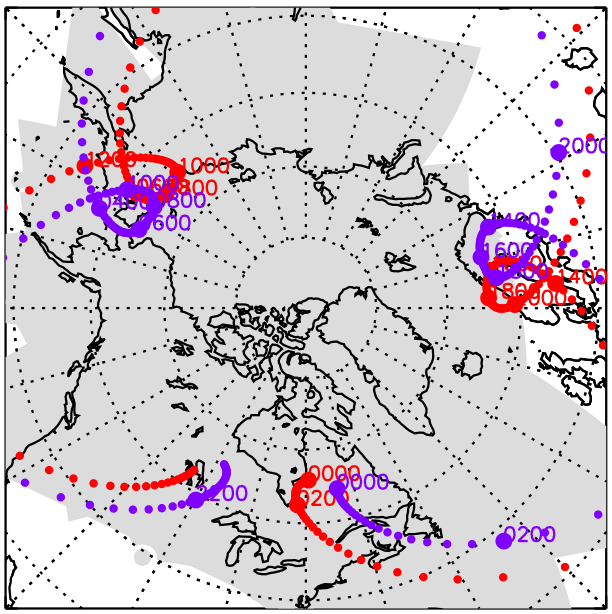


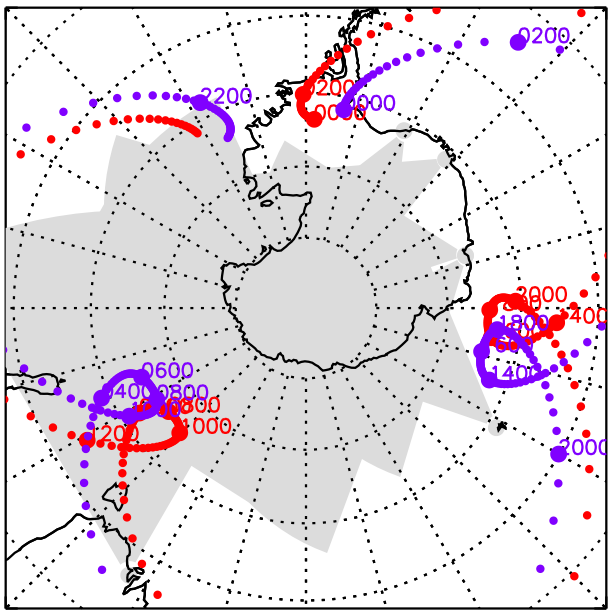


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

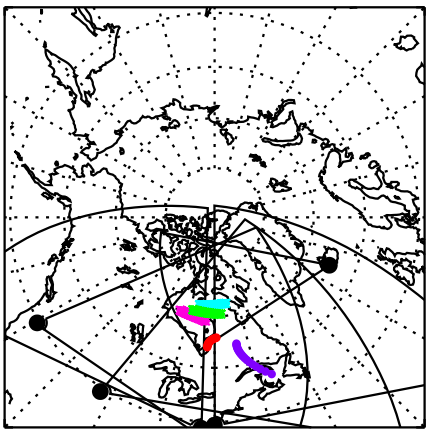
30–Mar–2017

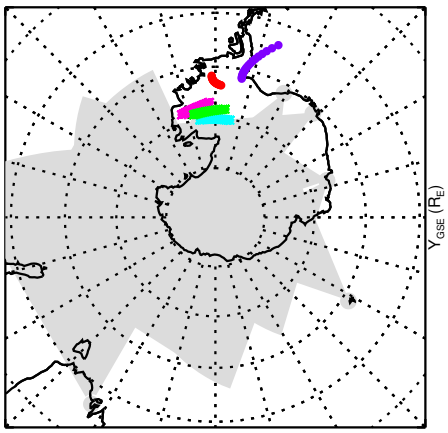
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

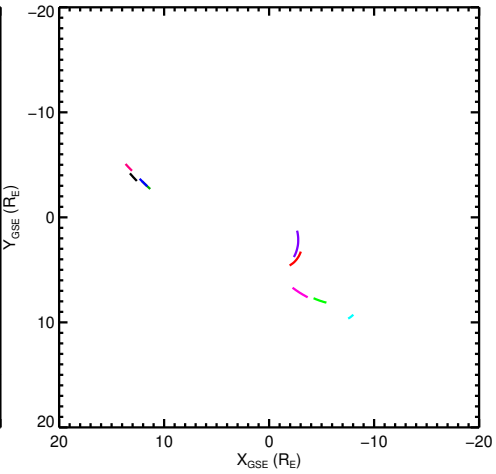




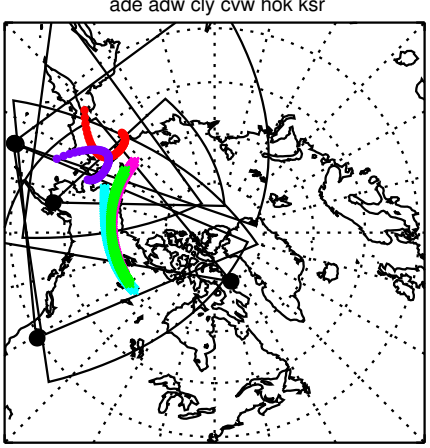
(a) 0000UT to 0130UT
bks cve fhe sto wal



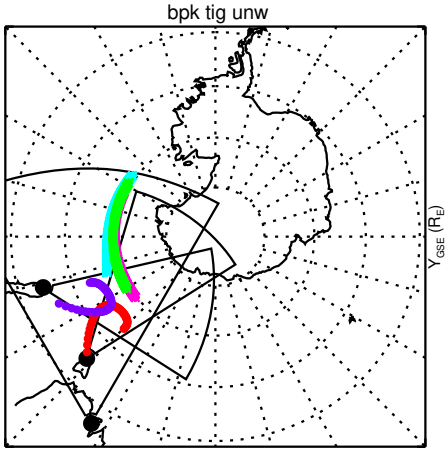


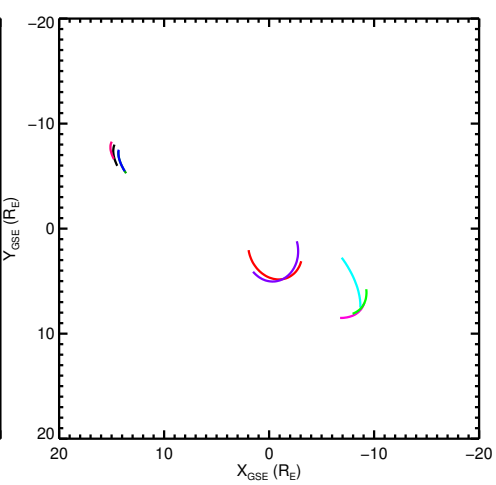


(b) 0500UT to 1035UT
ade adw cly cvw hok ksr

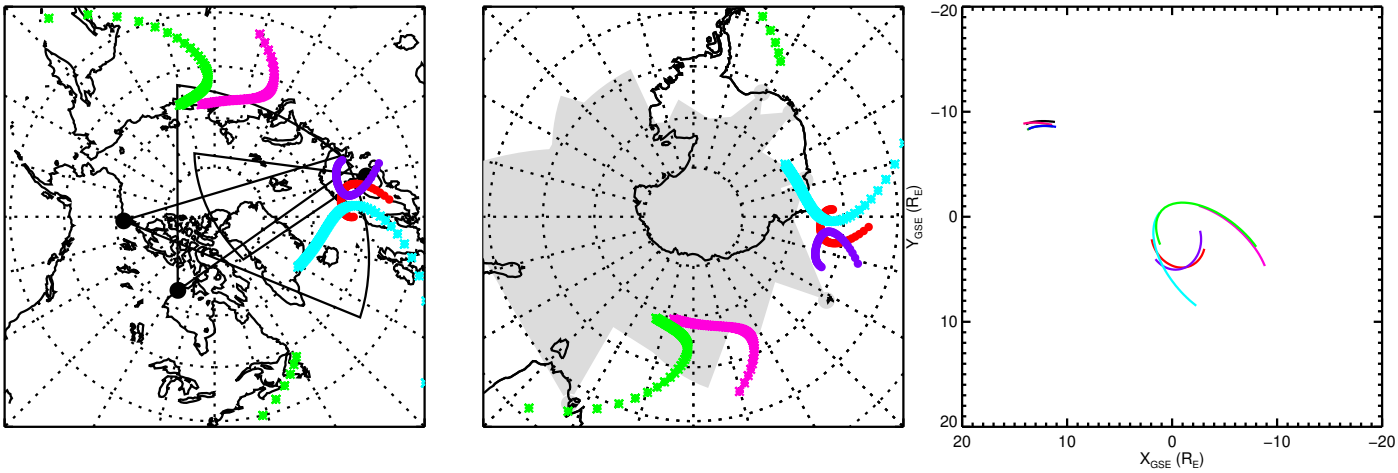


bpk tig unw



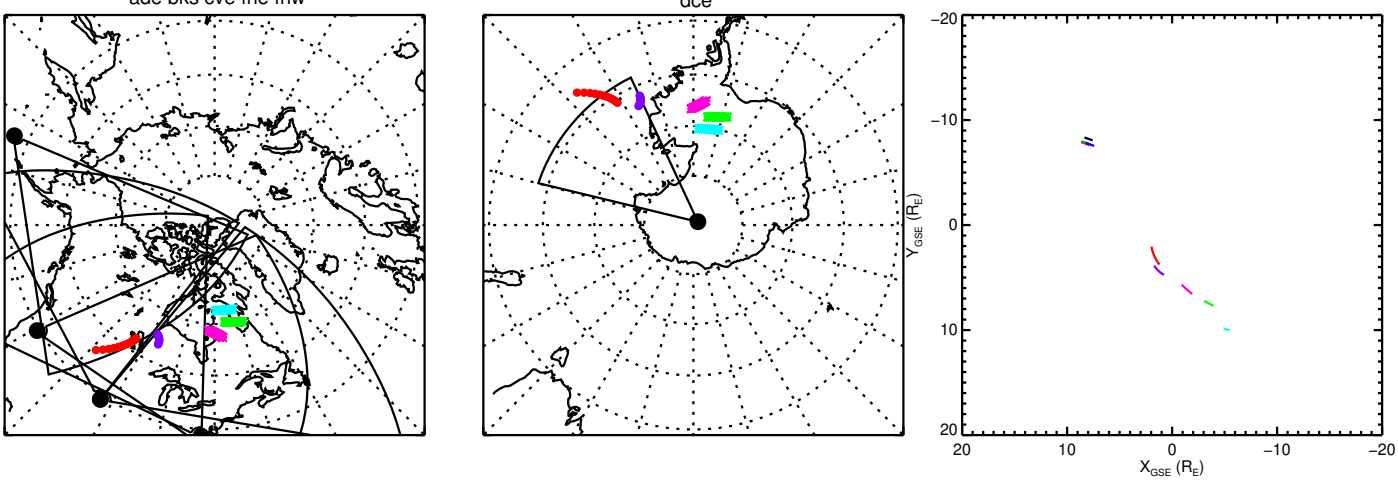


(c) 1400UT to 1935UT
han inv rkn



(d) 2255UT to 2355UT
ade bks cve fhe fhw

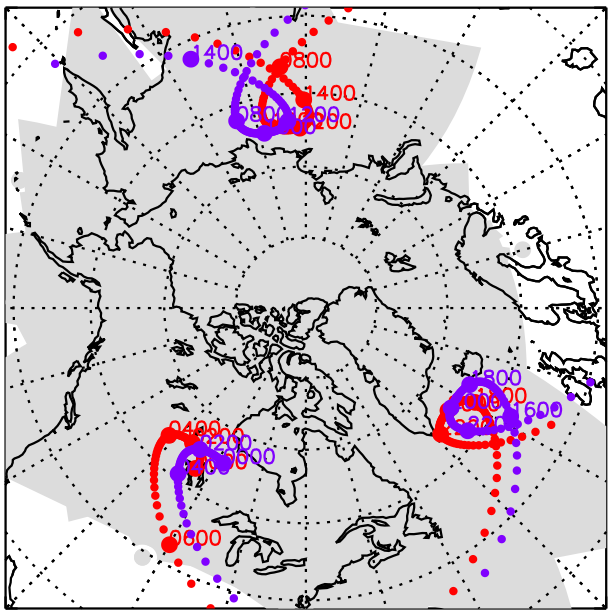
dce

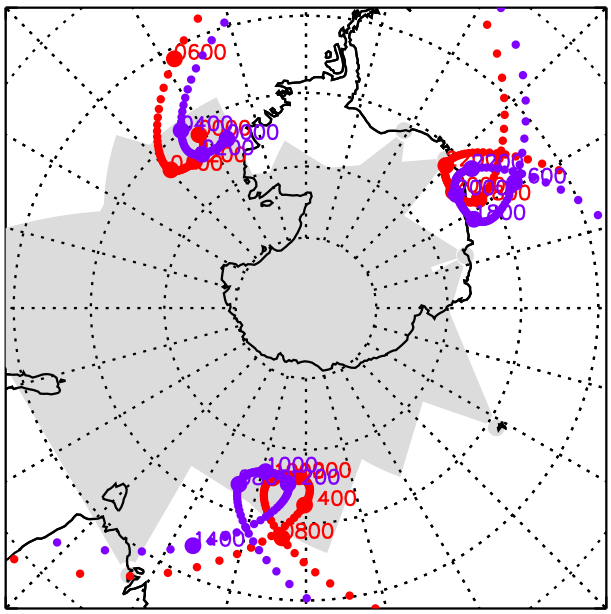


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

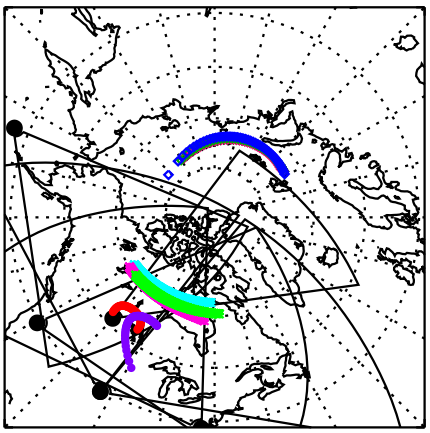
31−Mar−2017

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

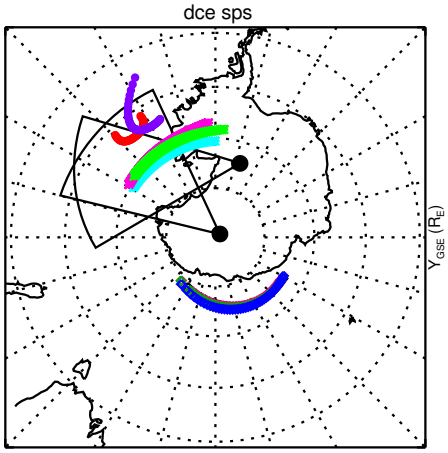


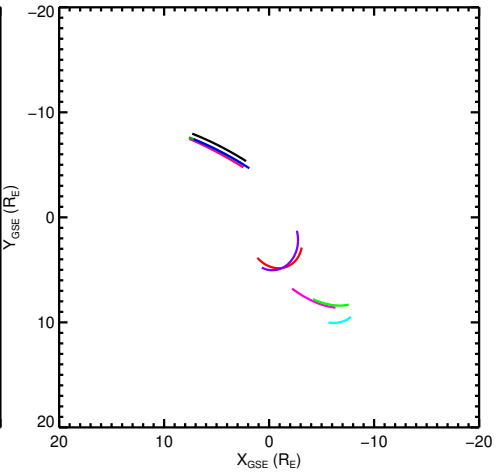


(a) 0000UT to 0440UT
ade bks cve fhe fhw sas

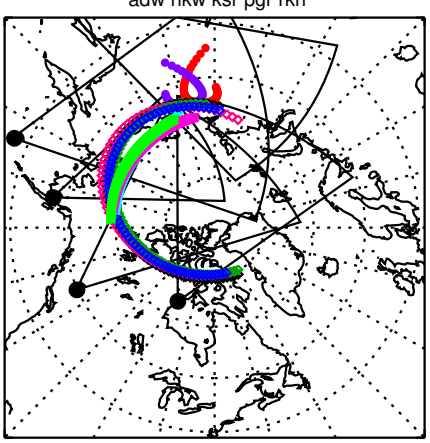


dce sps

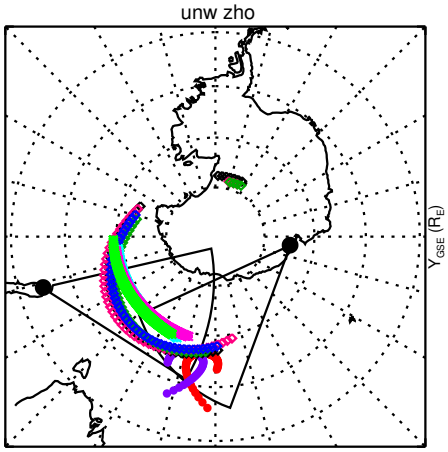


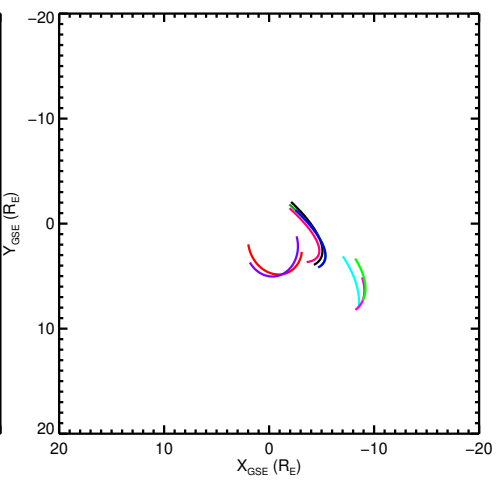
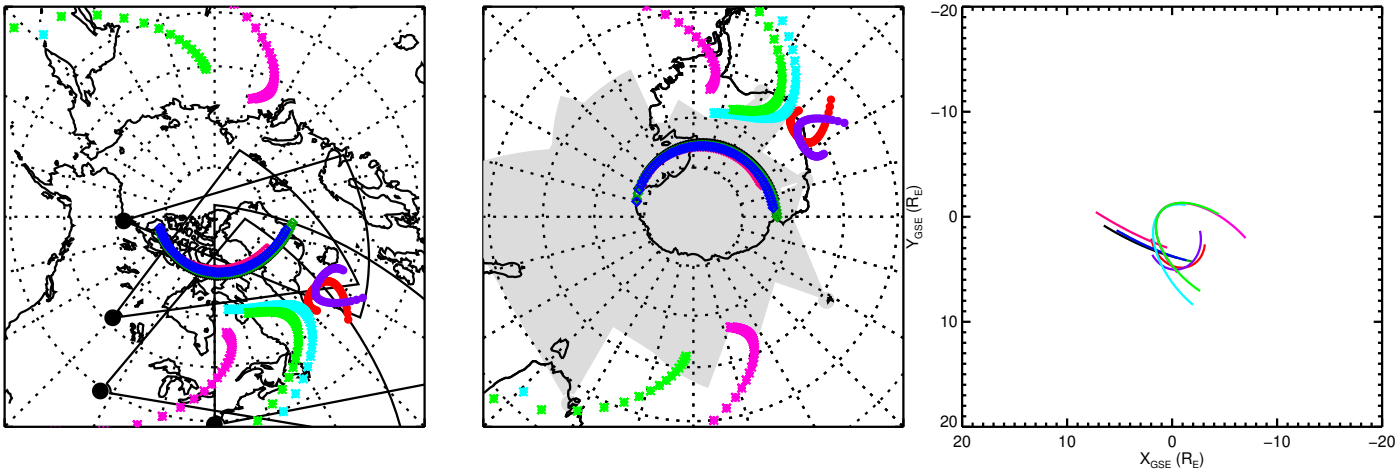


(b) 0750UT to 1345UT
adw hkw ksr pgr rkn



unw zho





(c) 1650UT to 2245UT
fhe inv sas wal