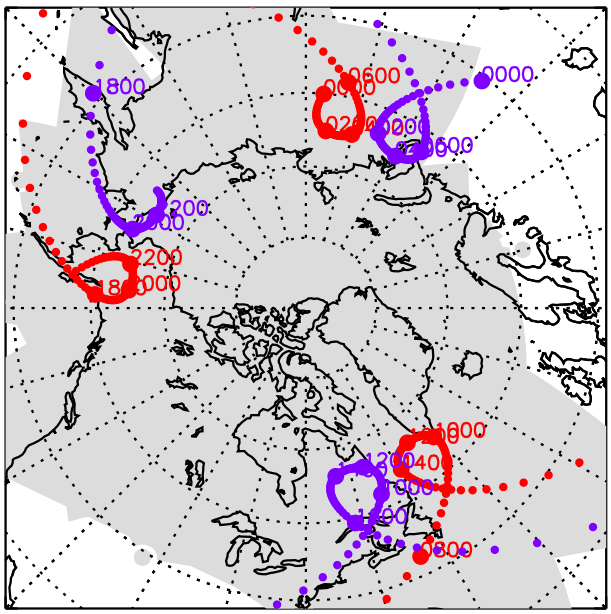
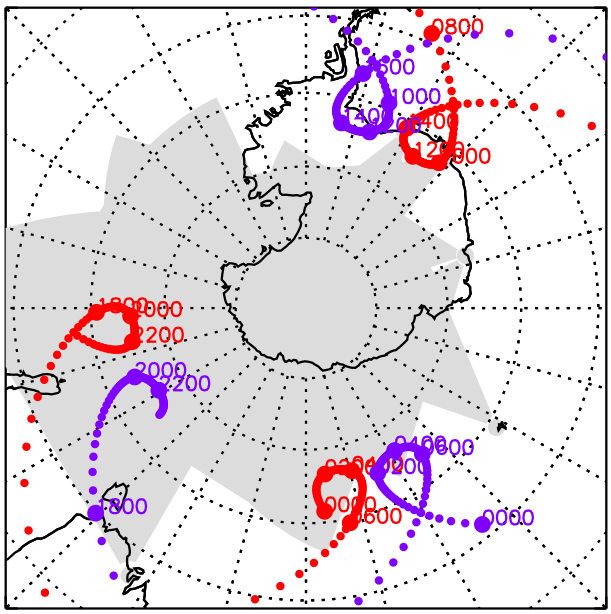
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

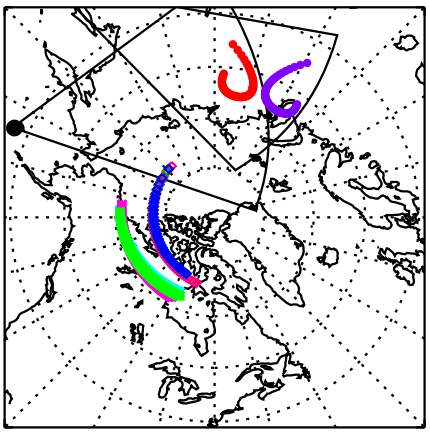
01−Mar−2016

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

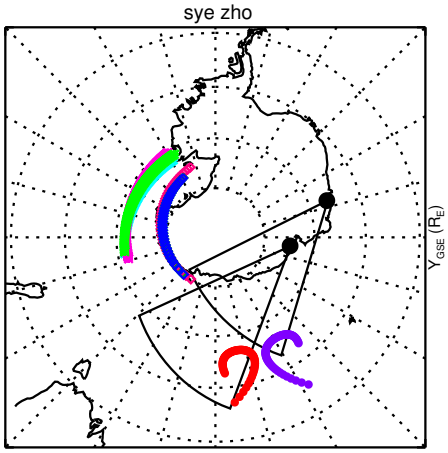


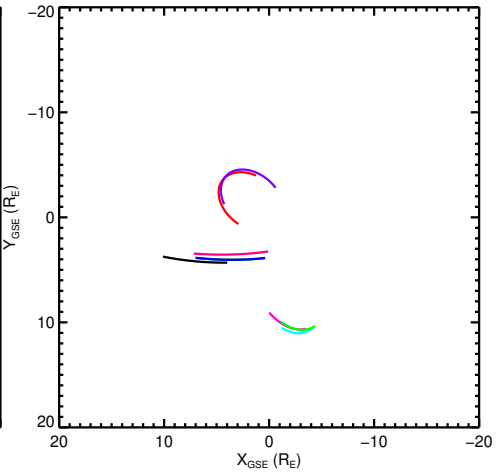


(a) 0015UT to 0615UT
adw hkw

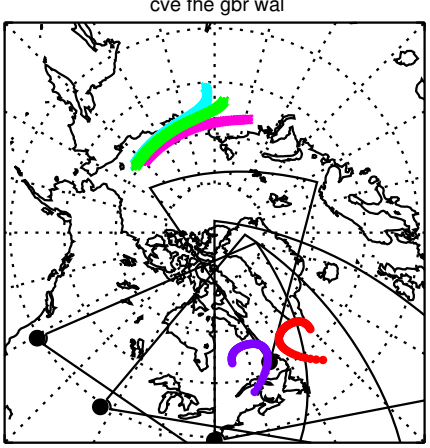


sye zho

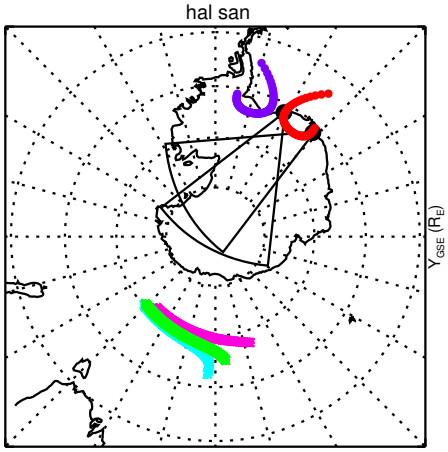


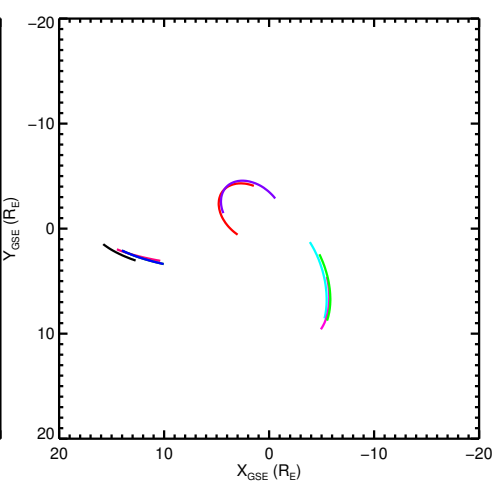


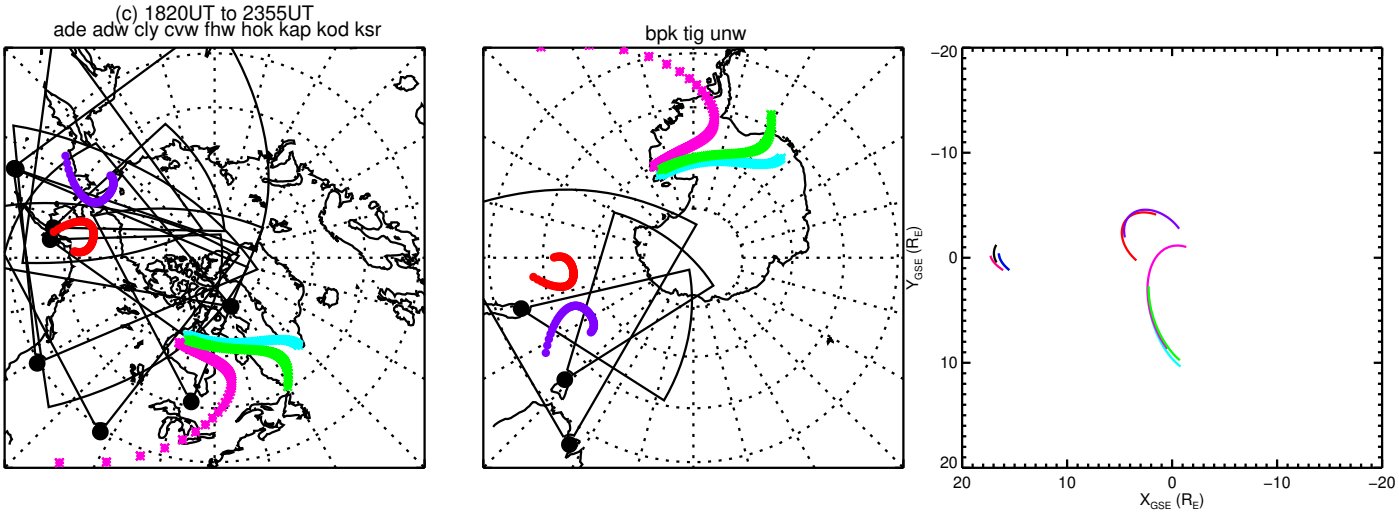
(b) 0920UT to 1510UT
cve fhe gbr wal



hal san



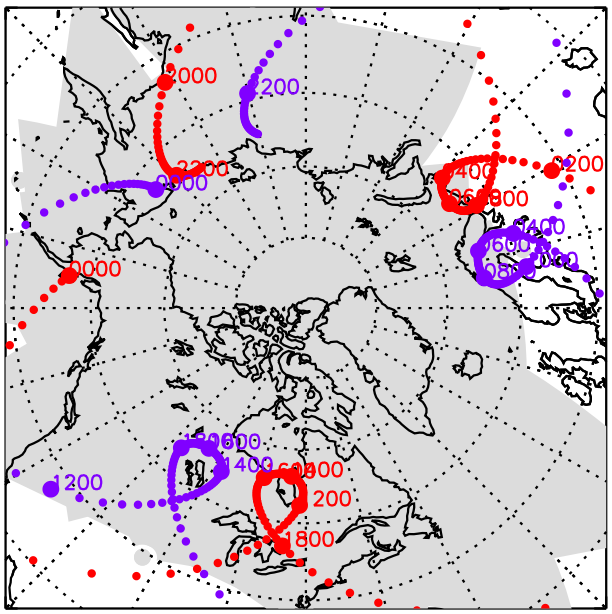


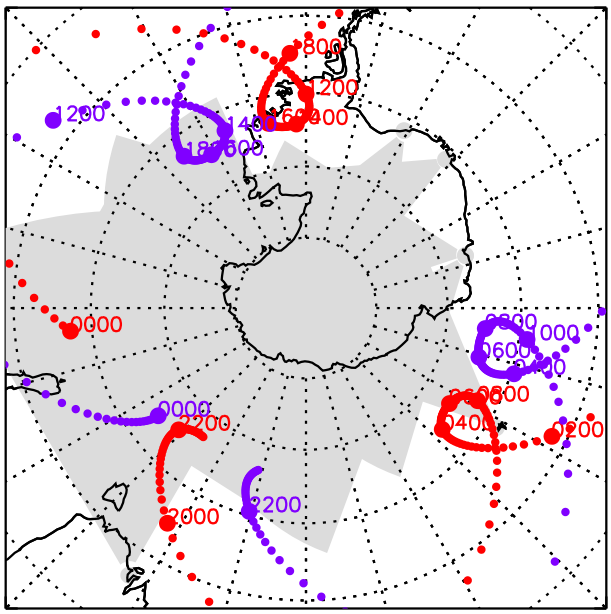

(c) 1820UT to 2355UT
ade adw cly cvw fhw hok kap kod ksr
bpk tig unw
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

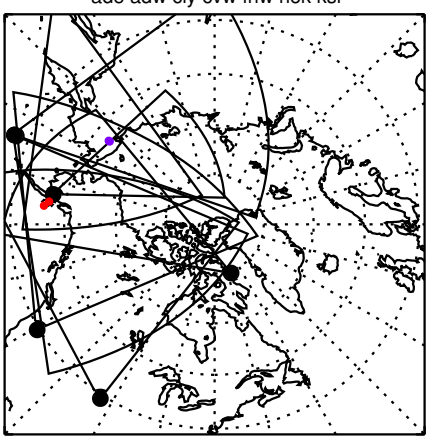
02–Mar–2016

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

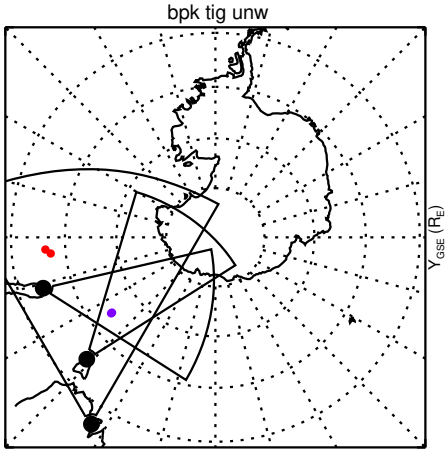


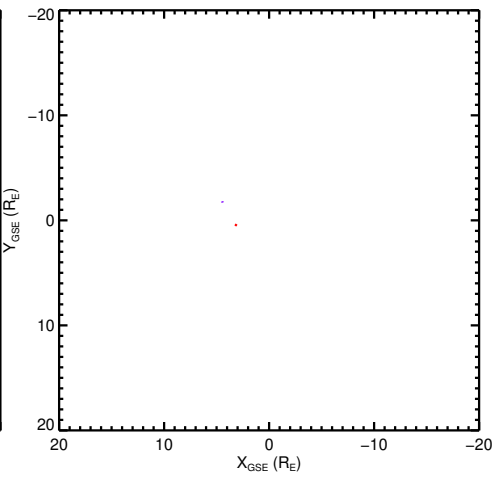


(a) 0000UT to 0005UT
ade adw cly cvw fhw hok ksr

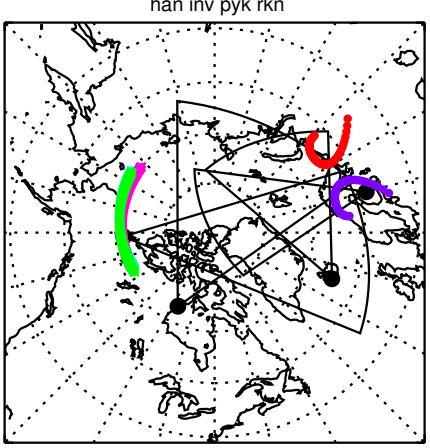


bpk tig unw

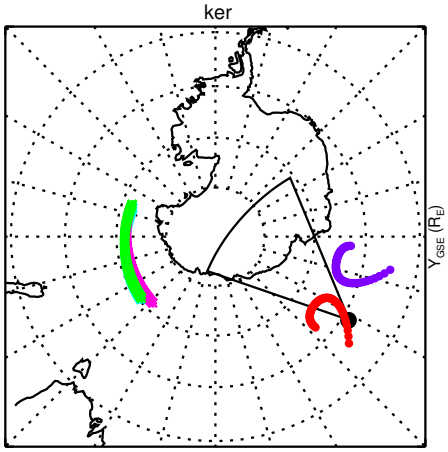


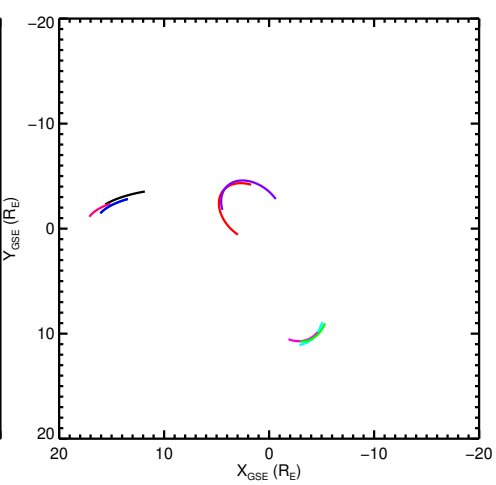


(b) 0325UT to 0905UT
han inv pyk rkn

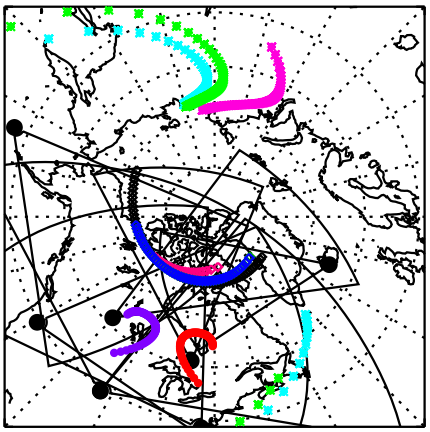


ker

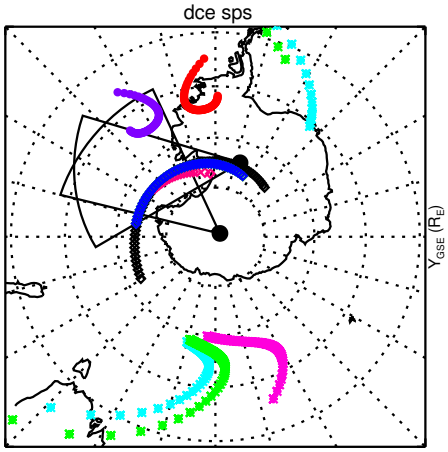


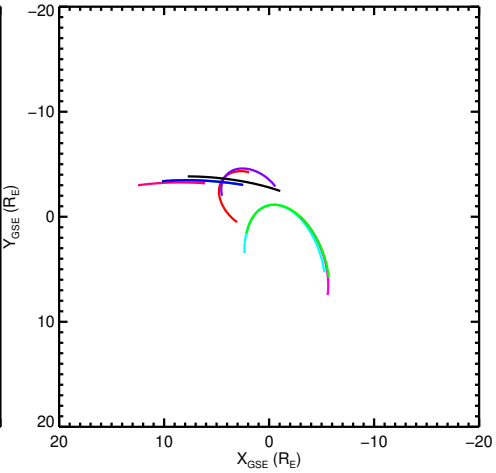


(c) 1230UT to 1800UT
ade bks cve fhe fhw kap sas sto

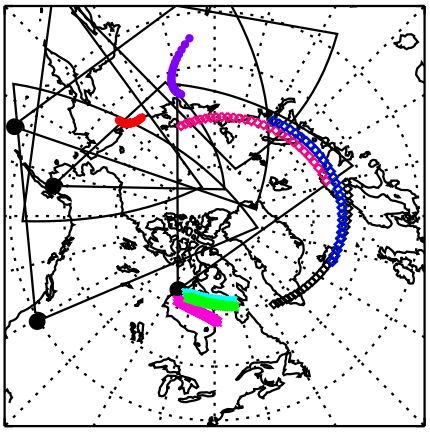


dce sps

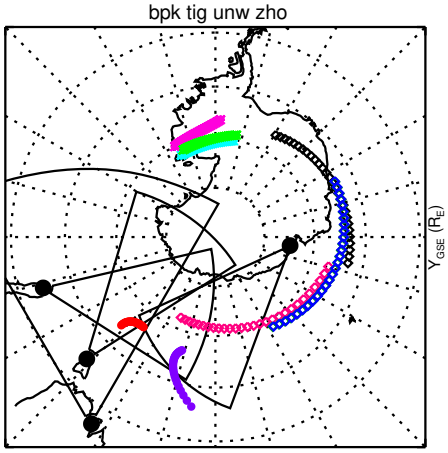


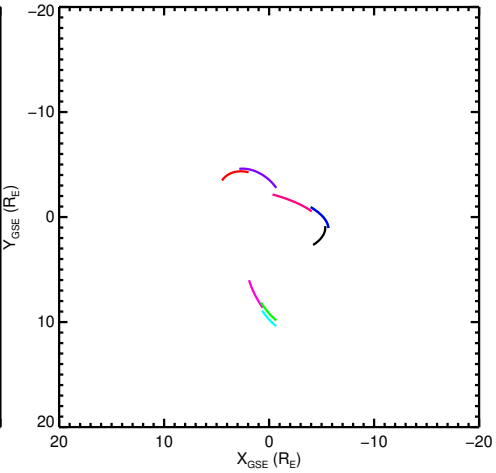


(d) 2130UT to 2355UT
adw cvw hkw hok ksr rkn



bpk tig unw zho

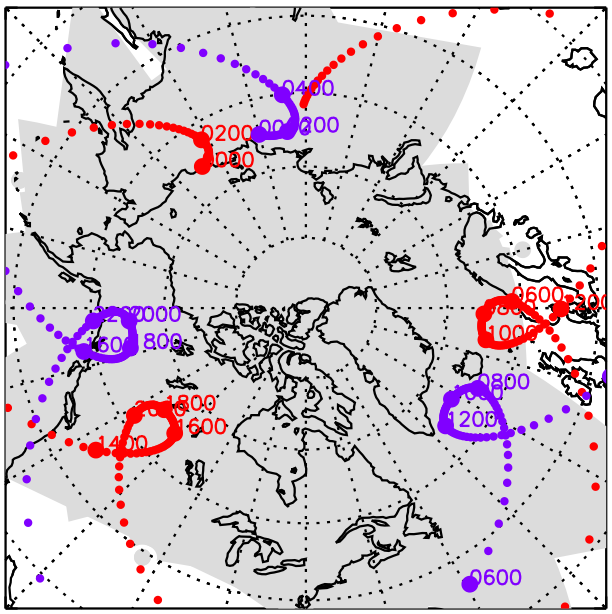


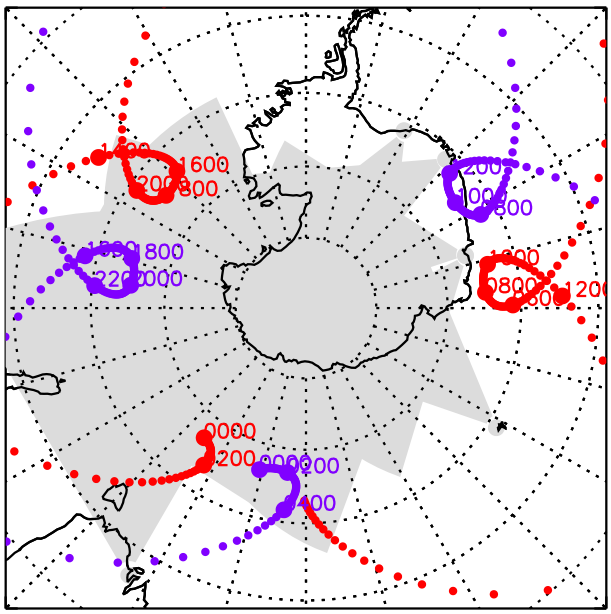


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

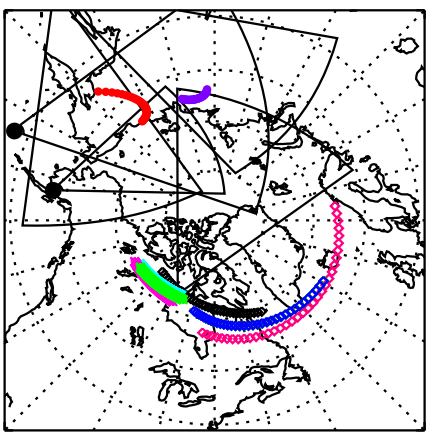
03–Mar–2016

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

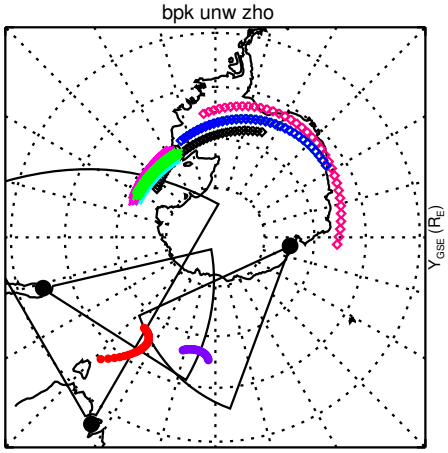


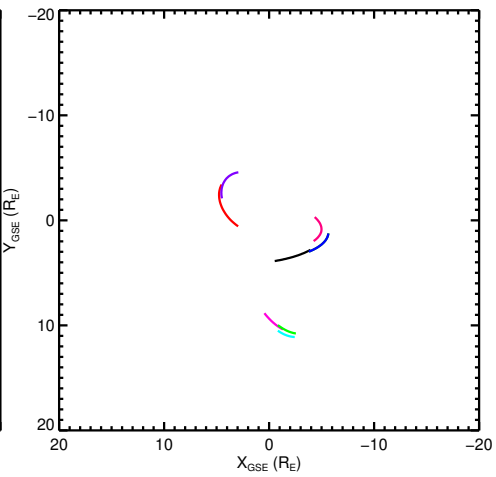


(a) 0000UT to 0300UT
adw hkw hok ksr rkn

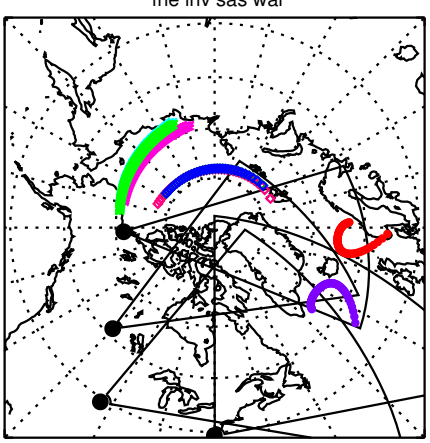


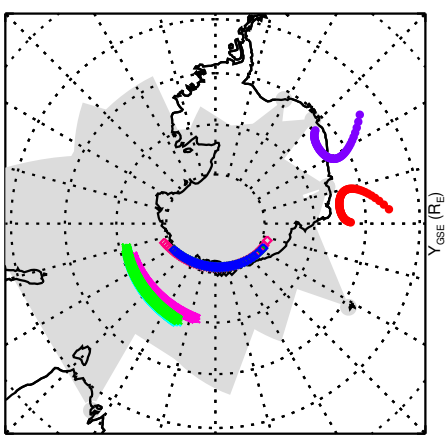
bpk unw zho

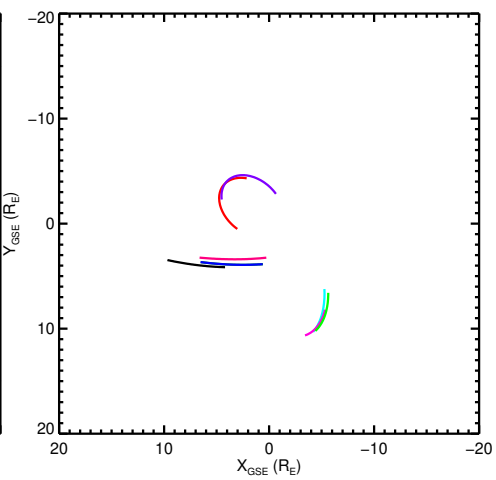


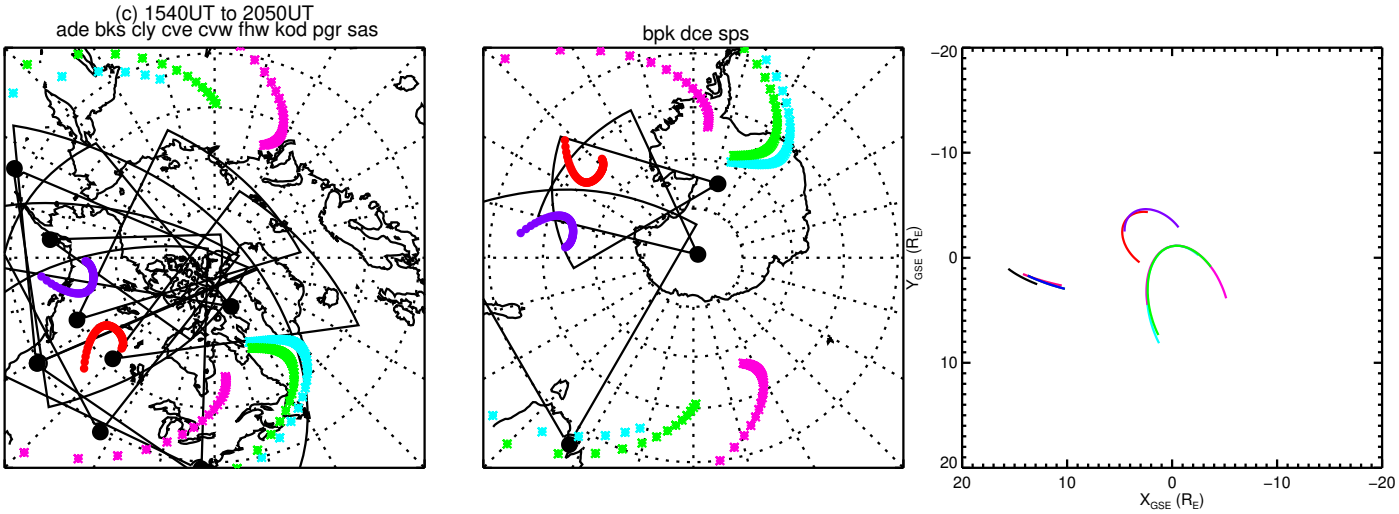


(b) 0635UT to 1155UT
fhe inv sas wal





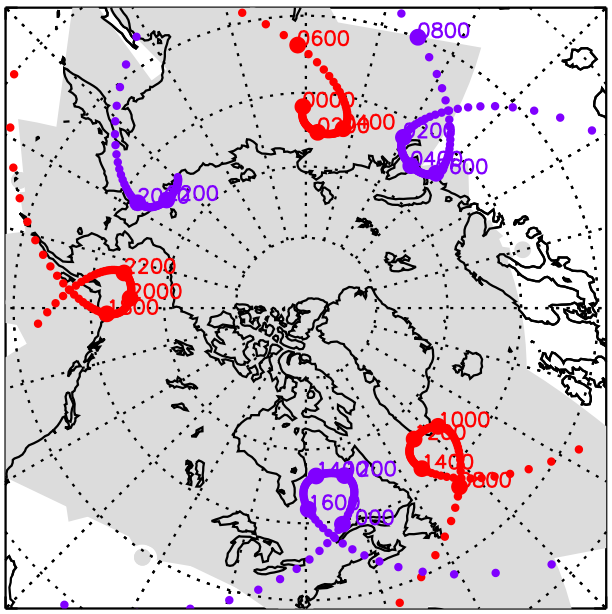


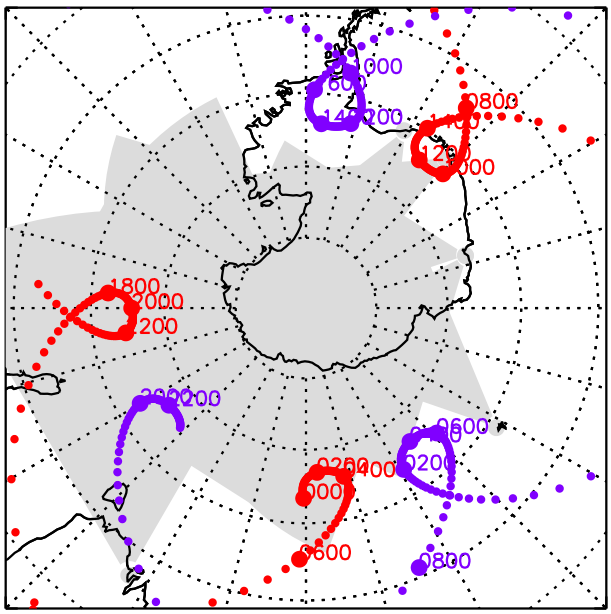

(c) 1540UT to 2050UT
ade bks cly cve cvw fhw kod pgr sas
bpk dce sps
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

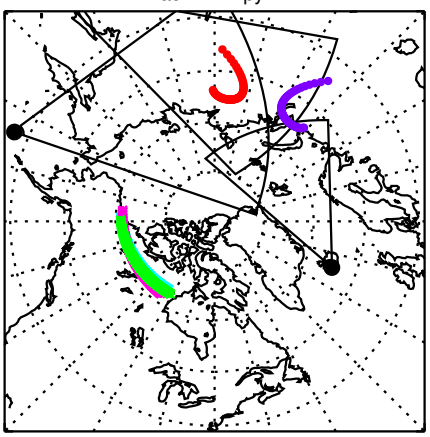
04–Mar–2016

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

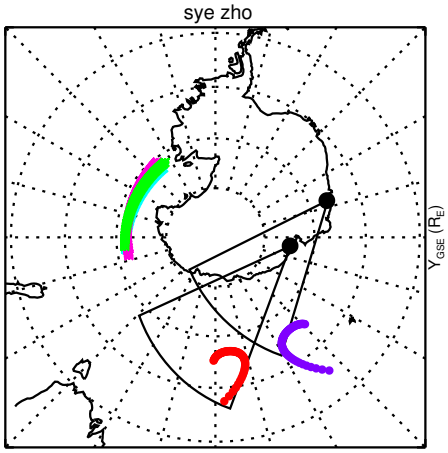


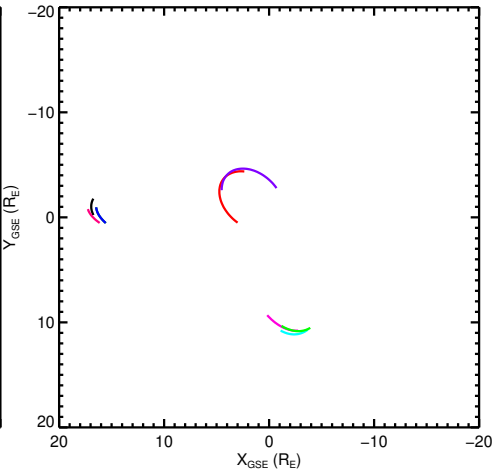


(a) 0040UT to 0550UT
adw hkw pyk

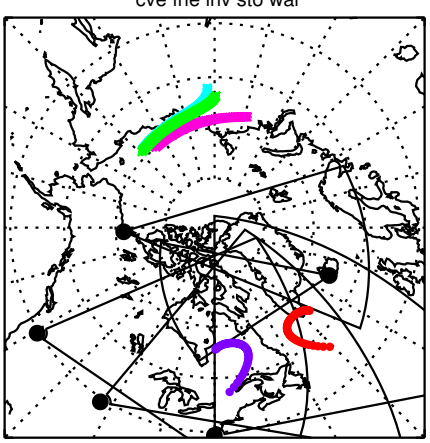


sye zho

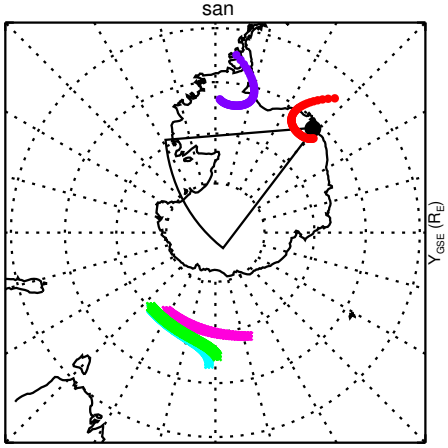


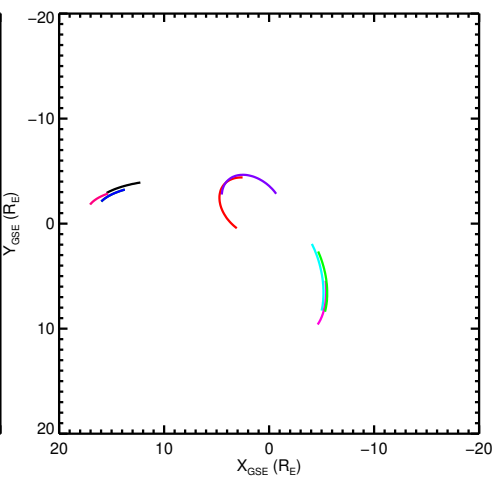


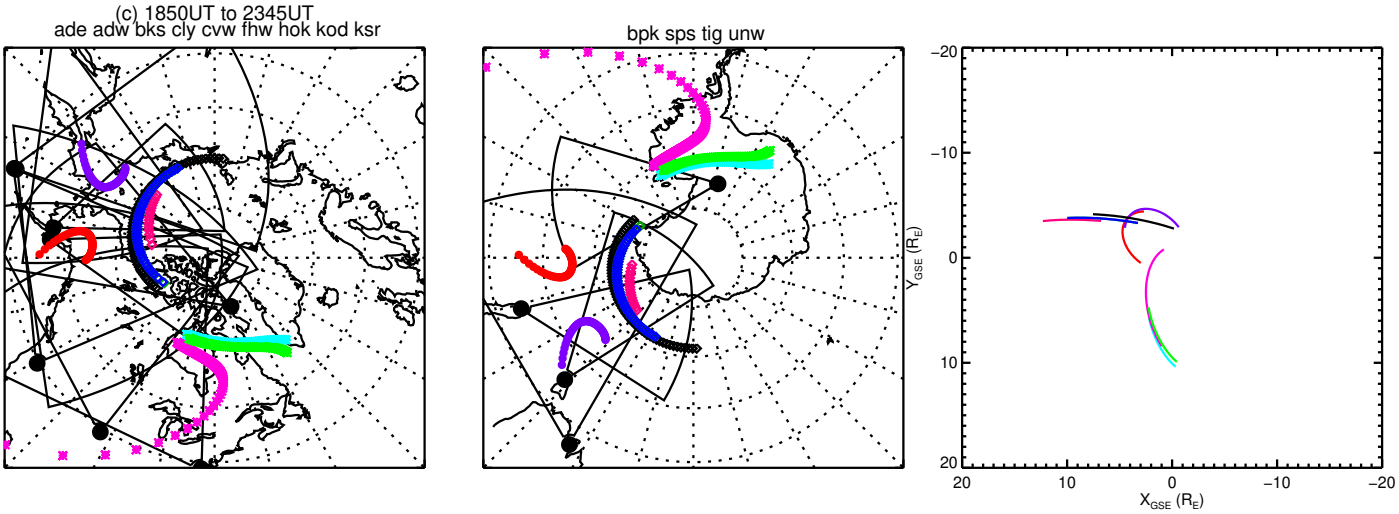
(b) 0945UT to 1445UT
cve fhe inv sto wal



san



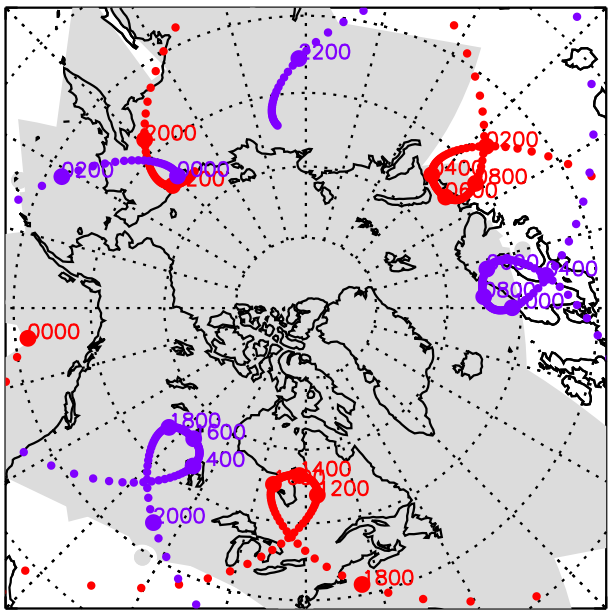


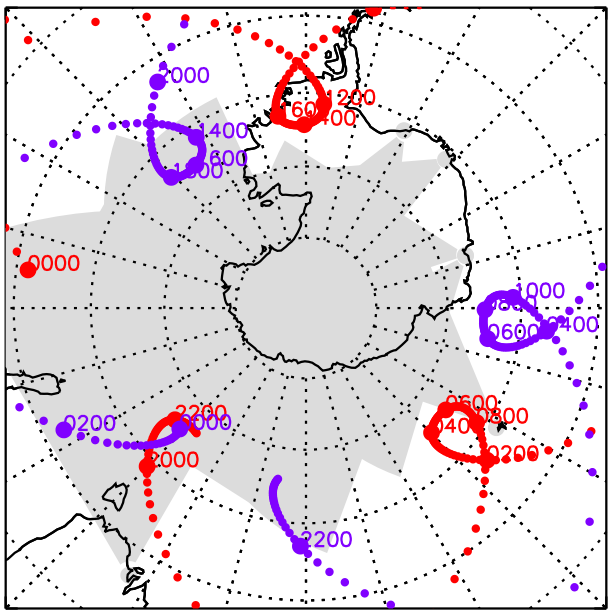

(c) 1850UT to 2345UT
ade adw bks cly cvw fhw hok kod ksr
bpk sps tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

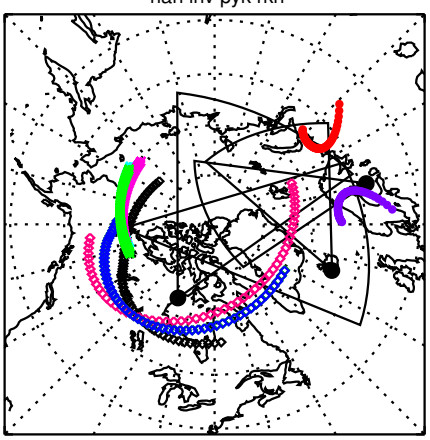
05–Mar–2016

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

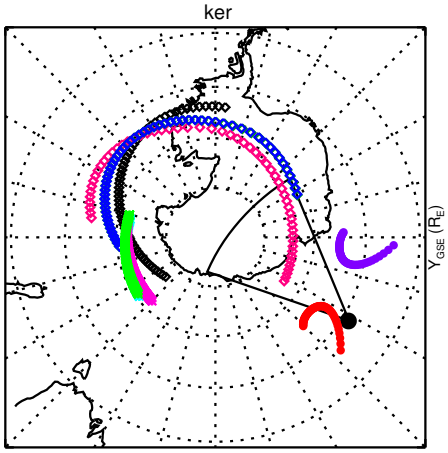


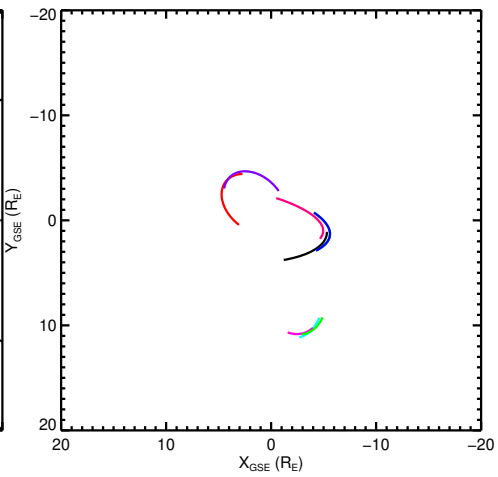


(a) 0350UT to 0840UT
han inv pyk rkn

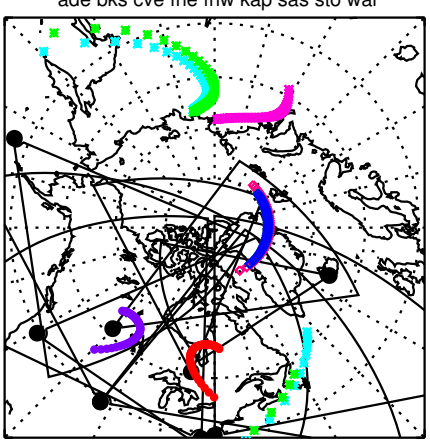


ker

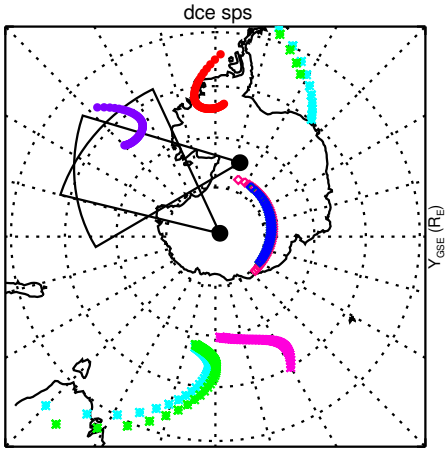


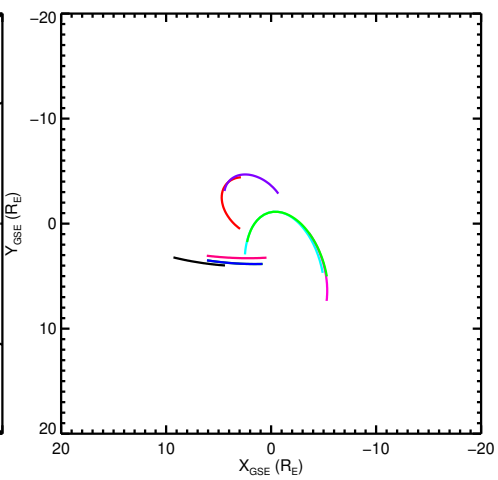


(b) 1255UT to 1740UT
ade bks cve fhe fhw kap sas sto wal

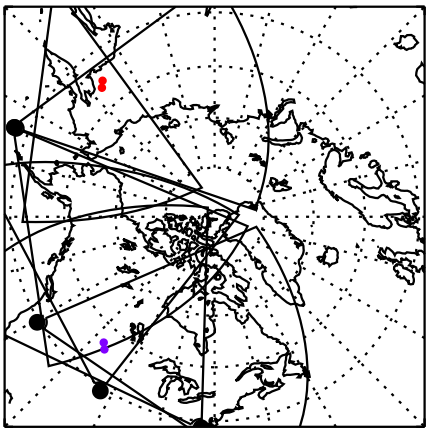


dce sps

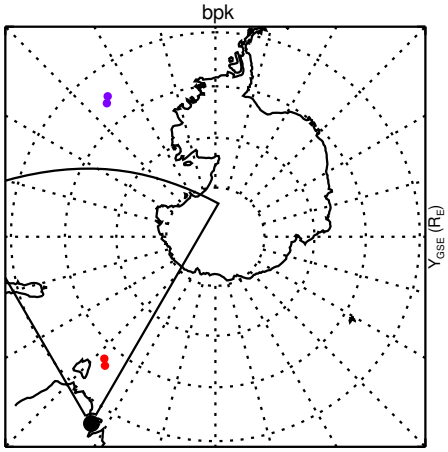


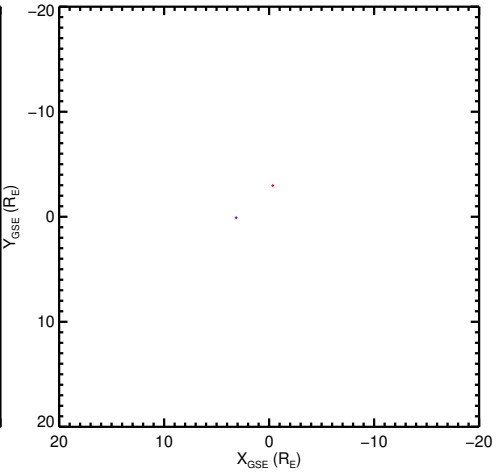


(c) 1945UT to 1950UT
ade adw bks cve fhw hok

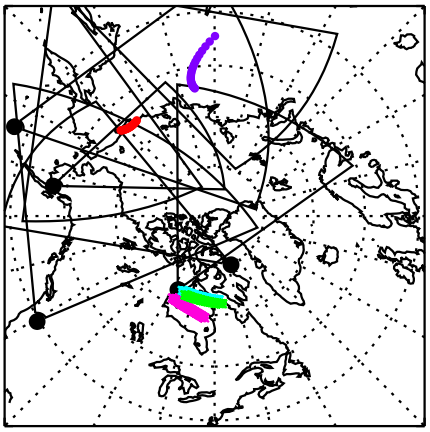


bpk

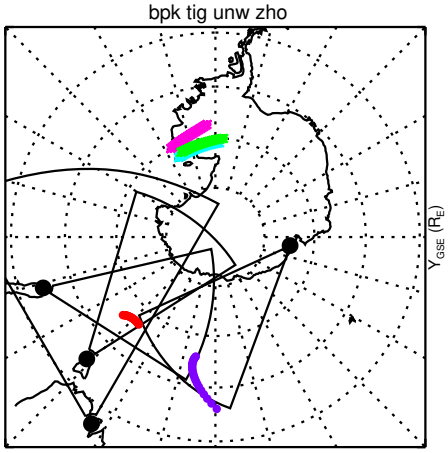


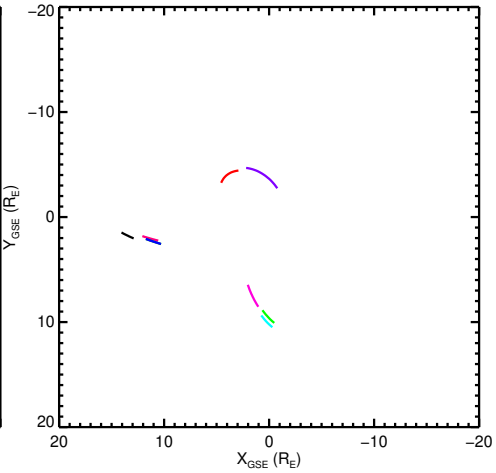


(d) 2155UT to 2355UT
adw cly cvw hkw hok ksr rkn



bpk tig unw zho

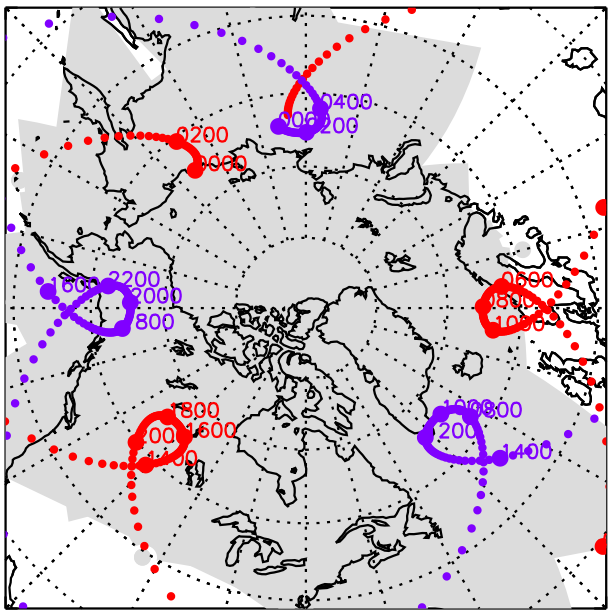


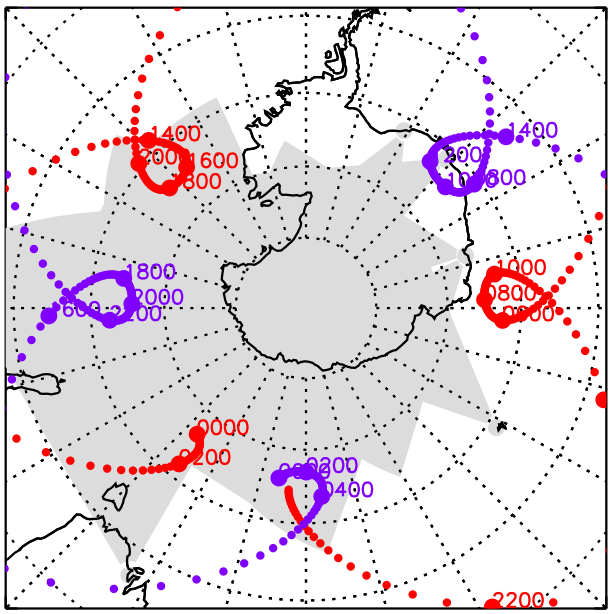


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

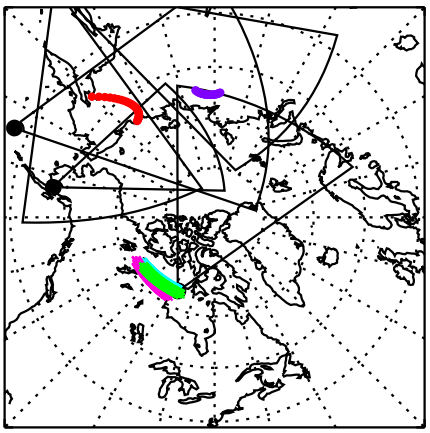
06–Mar–2016

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

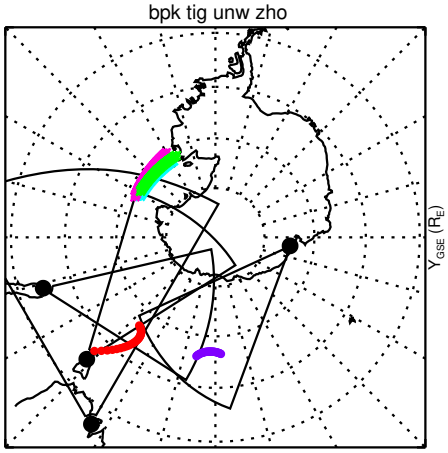


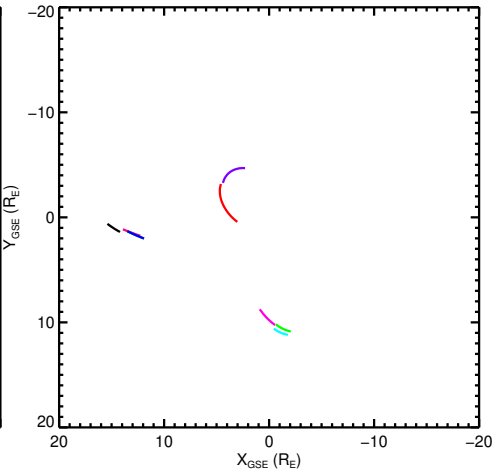


(a) 0000UT to 0235UT
adw hkw hok ksr rkn

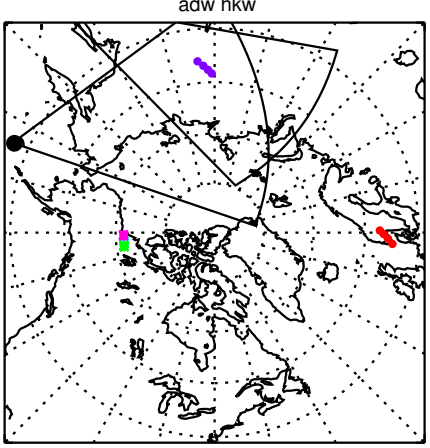


bpk tig unw zho

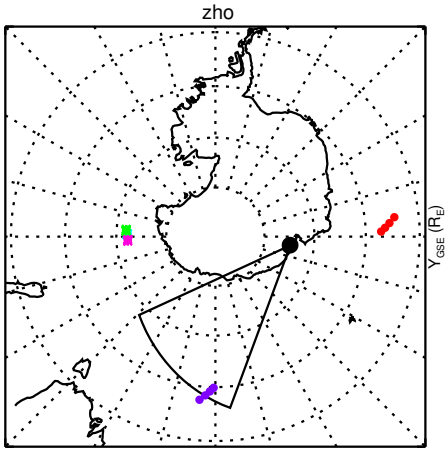


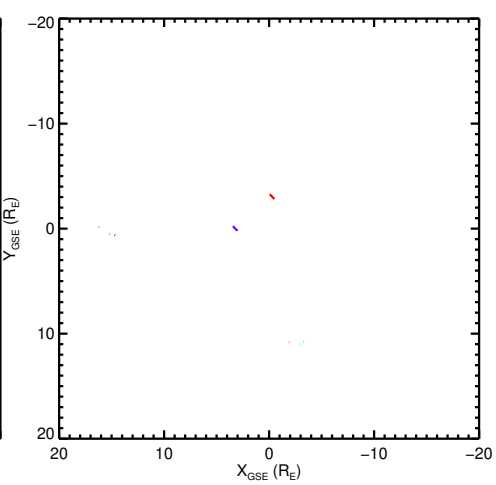


(b) 0440UT to 0455UT
adw hkw

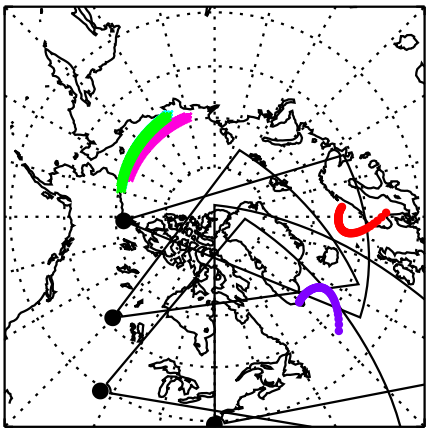


zho

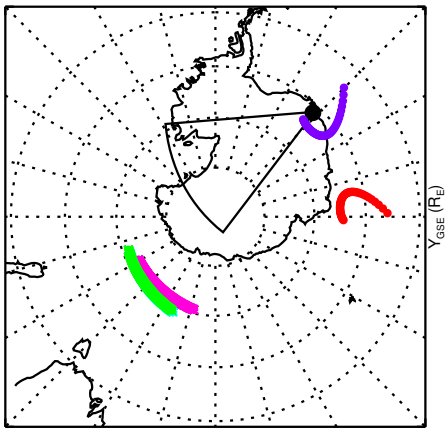


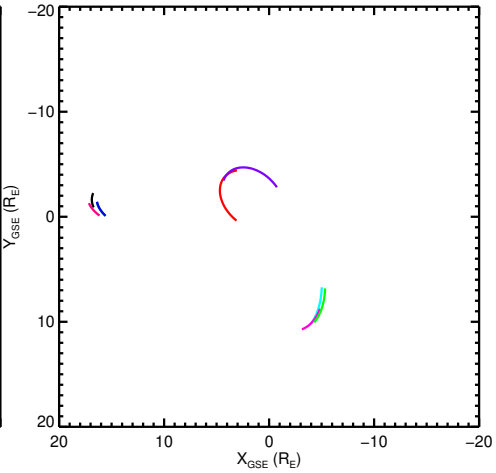


(c) 0700UT to 1130UT
fhe inv sas wal

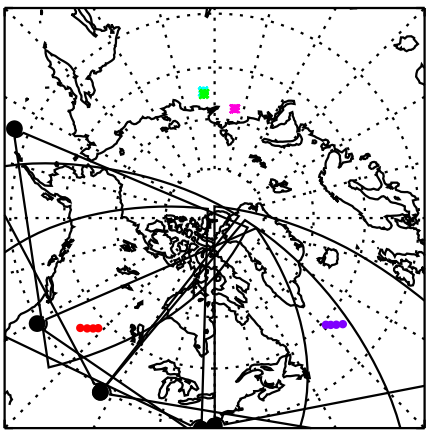


san

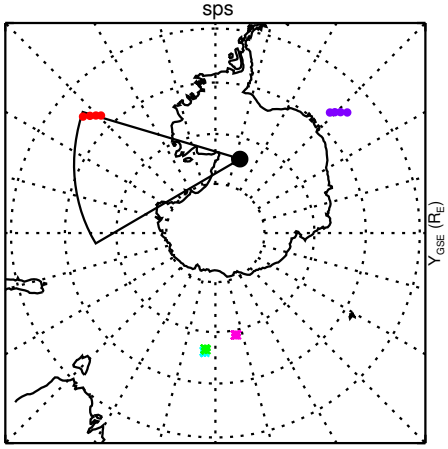


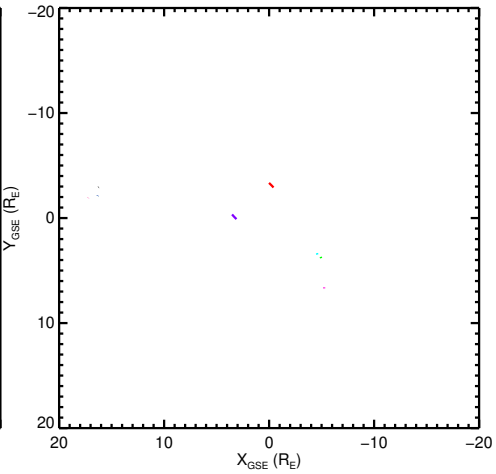


(d) 1340UT to 1355UT
ade bks cve fhe fhw wal

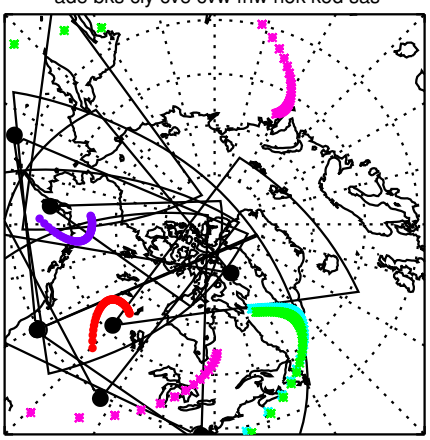


sps

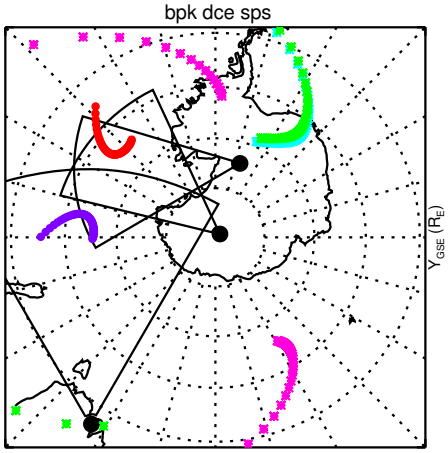


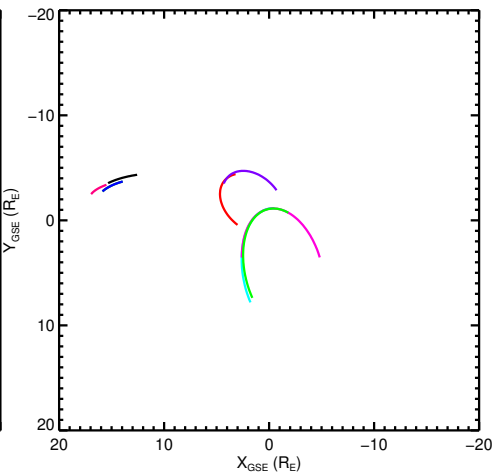


(e) 1605UT to 2030UT
ade bks cly cve cvw fhw hok kod sas

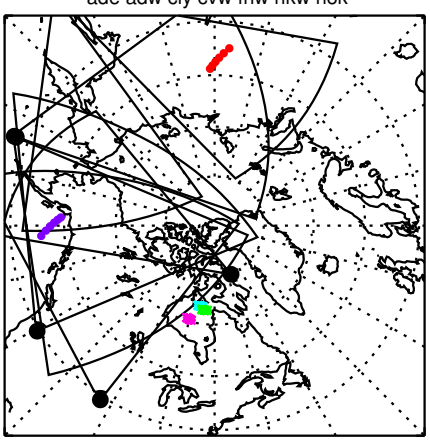


bpk dce sps

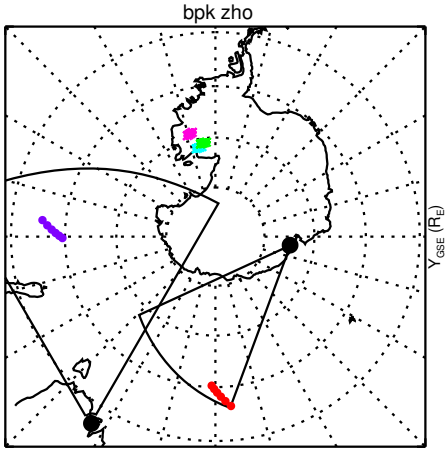


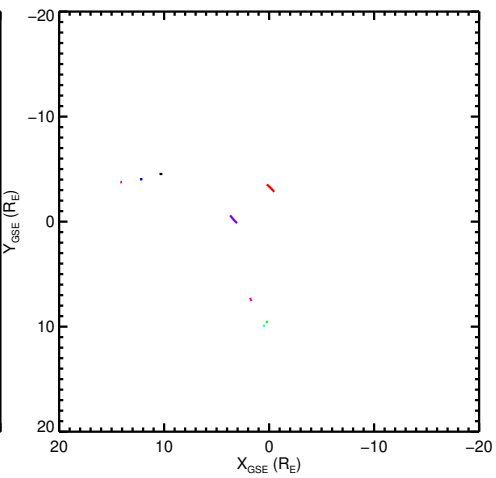


(f) 2235UT to 2300UT
ade adw cly cvw fhw hkw hok



bpk zho

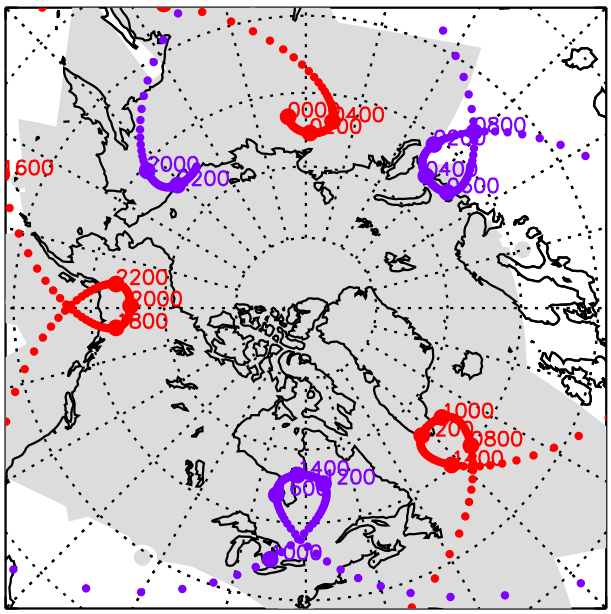


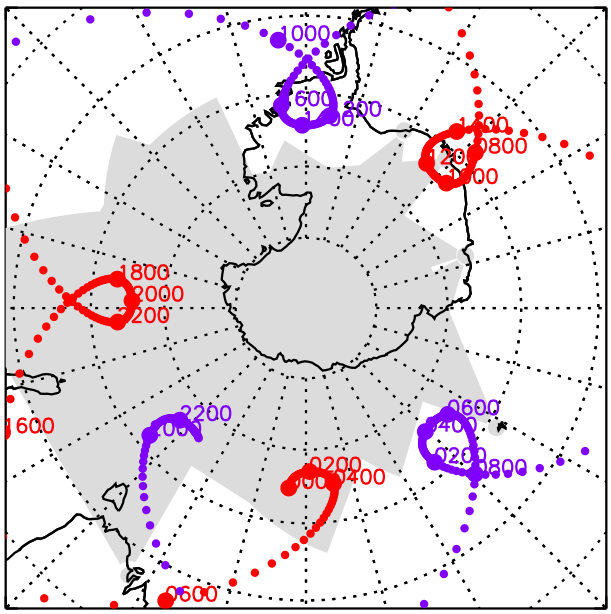


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

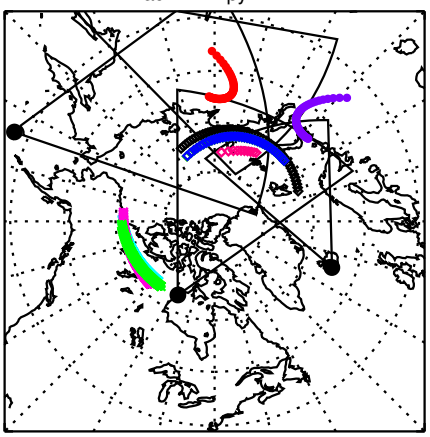
07–Mar–2016

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

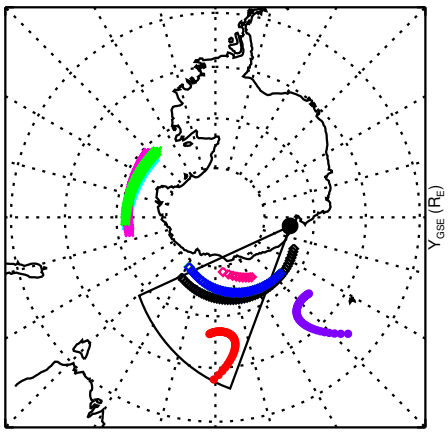


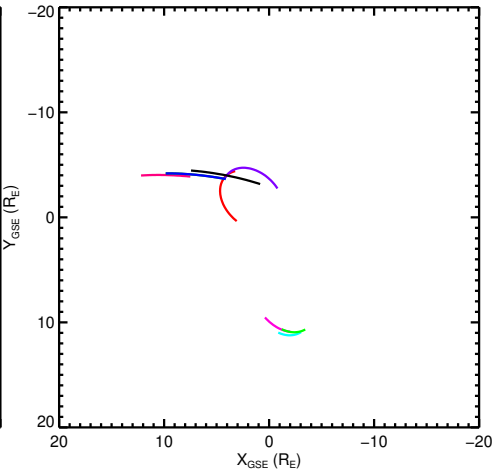


(a) 0105UT to 0525UT
adw hkw pyk rkn

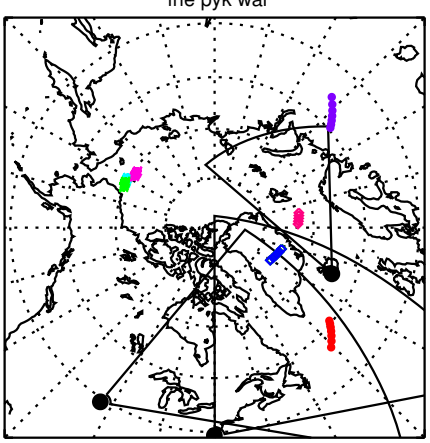


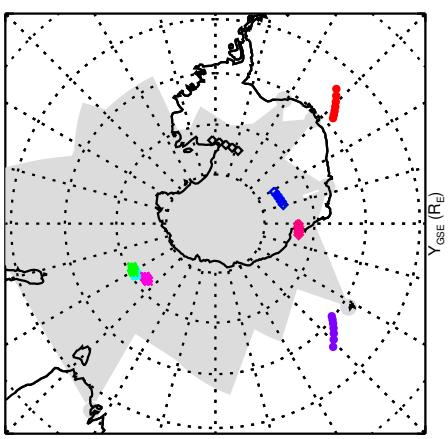
zho

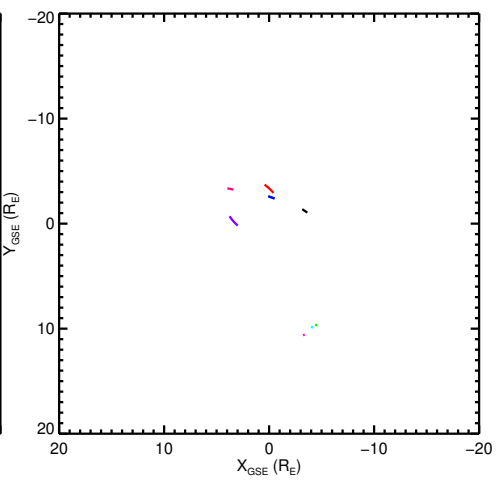




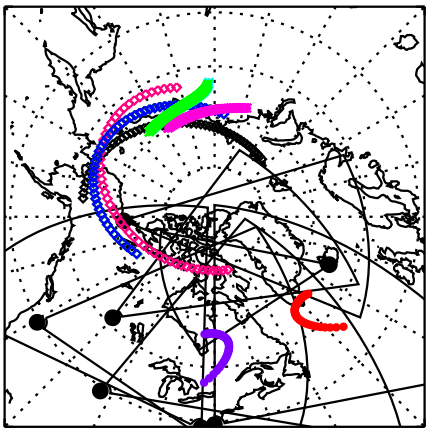
(b) 0735UT to 0805UT
fhe pyk wal



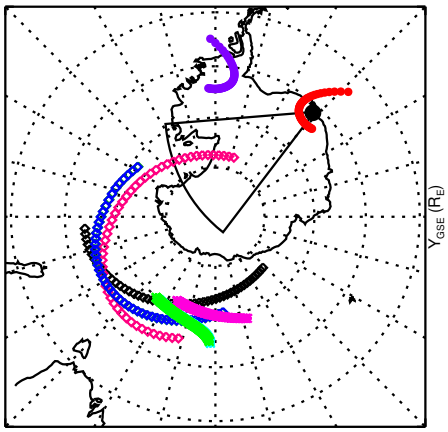


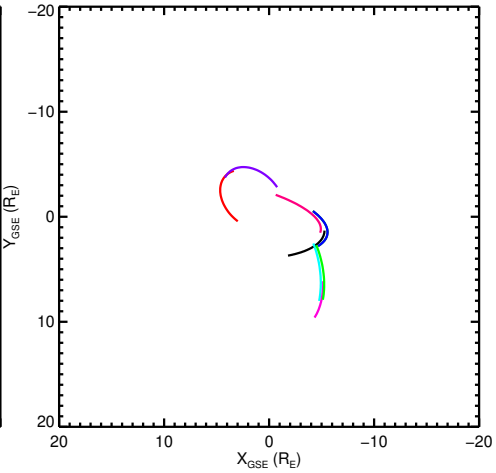


(c) 1010UT to 1425UT
bks cve fhe inv sas sto wal

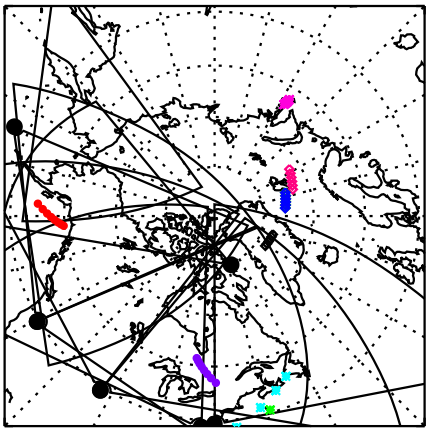


san

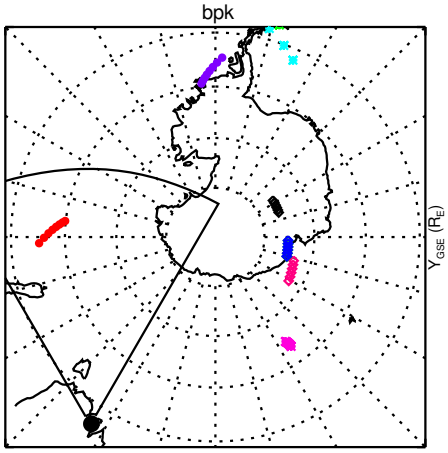


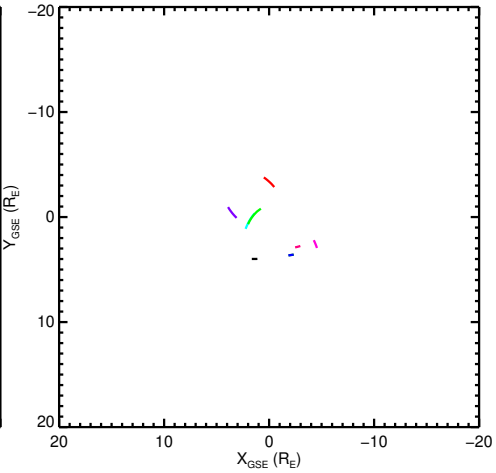


(d) 1630UT to 1705UT
ade bks cly cve cvw fhe fhw hok wal

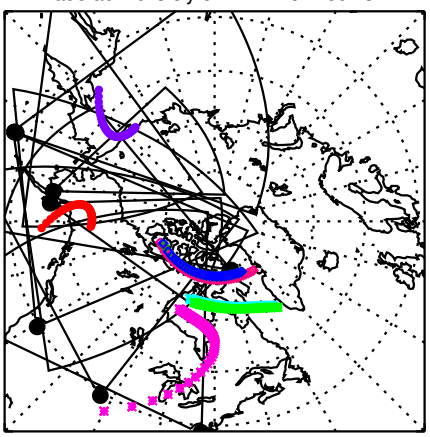


bpk

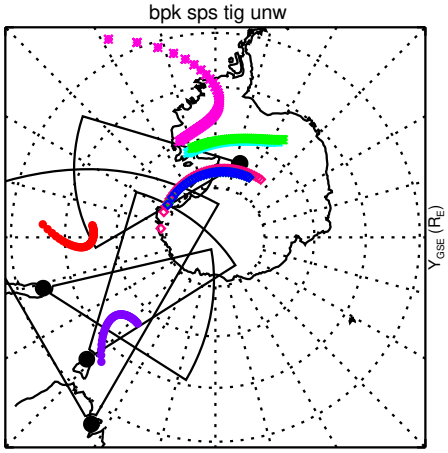


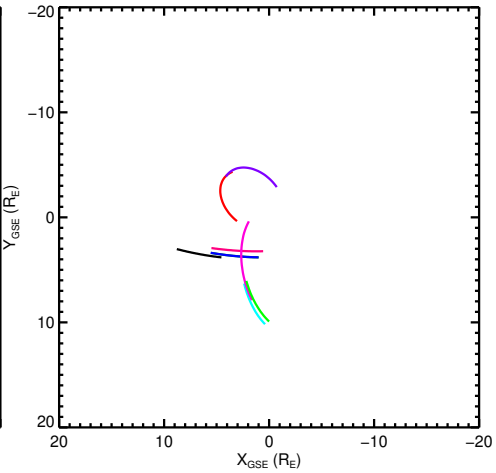


(e) 1915UT to 2320UT
ade adw bks cly cvw fhw hok kod ksr



bpk sps tig unw

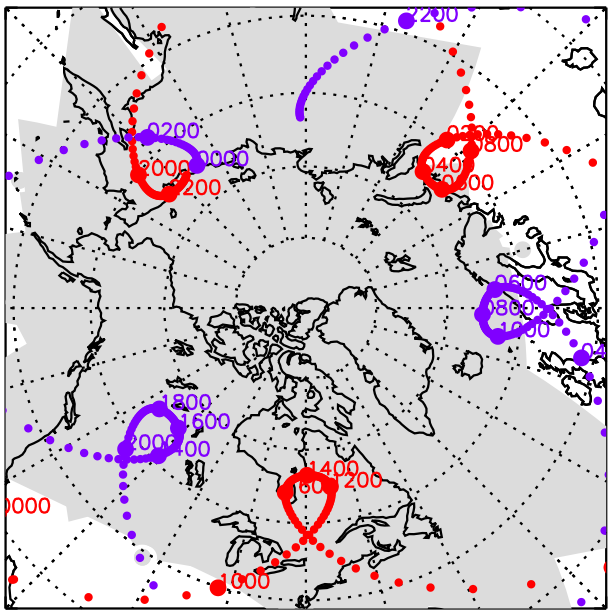


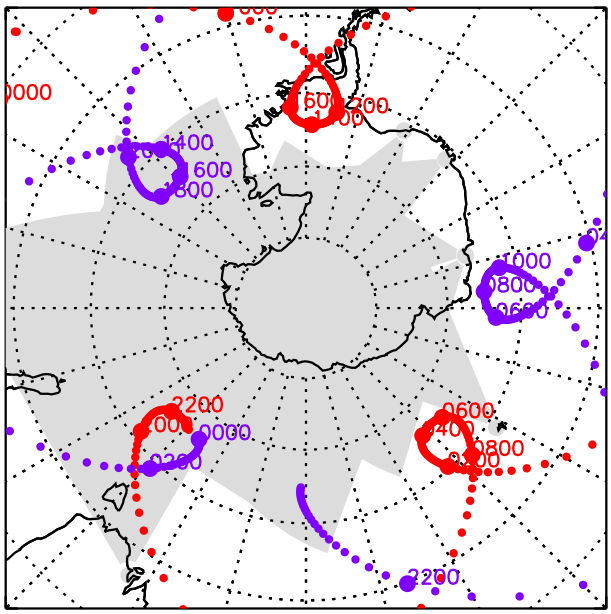


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

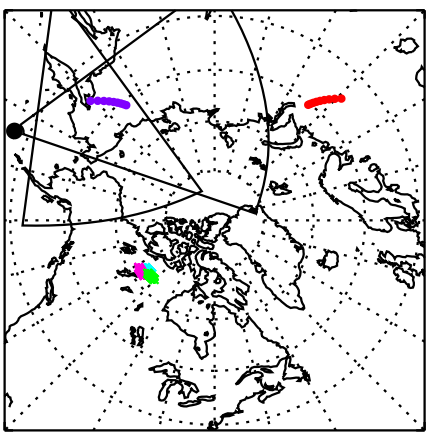
08–Mar–2016

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

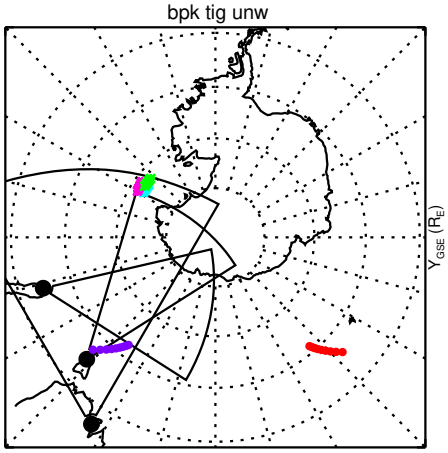


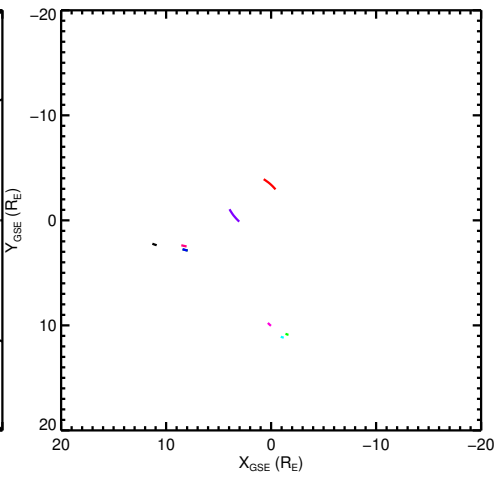


(a) 0130UT to 0210UT
adw hok

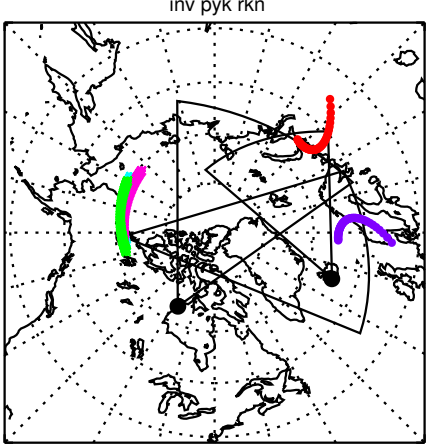


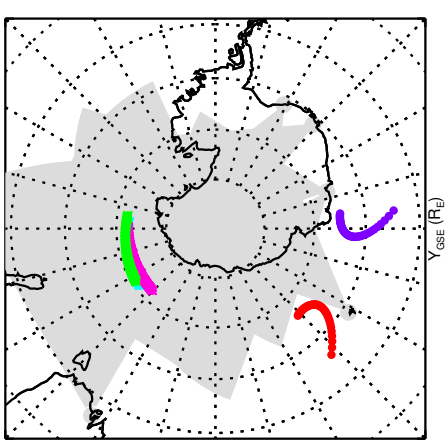
bpk tig unw

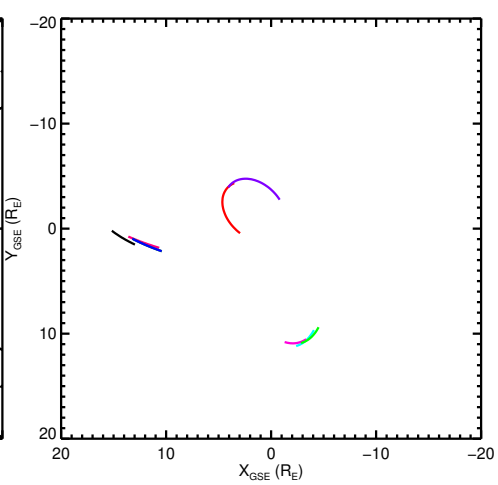




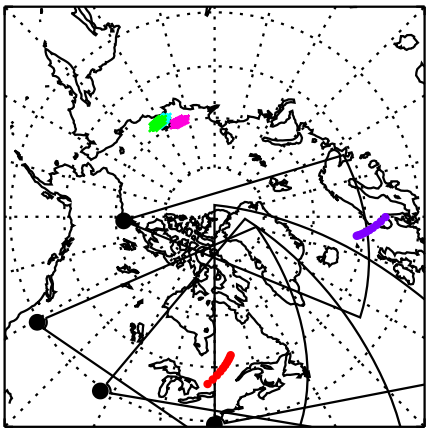
(b) 0415UT to 0820UT
inv pyk rkn

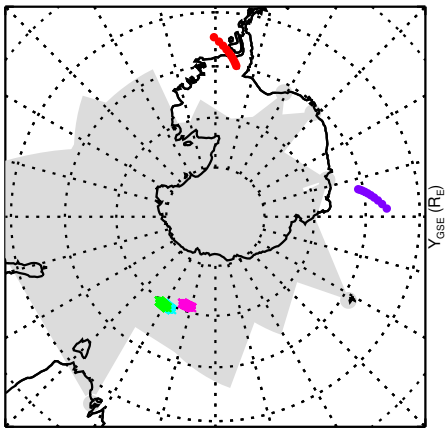


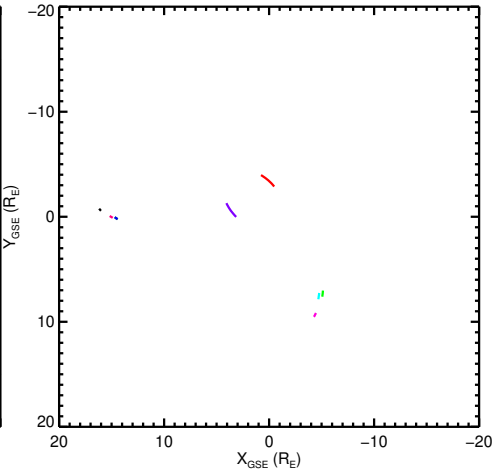




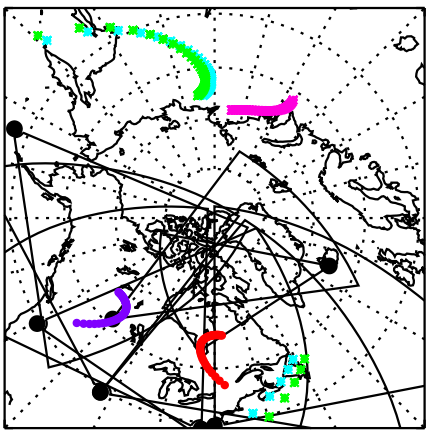
(c) 1025UT to 1110UT
cve fhe inv wal



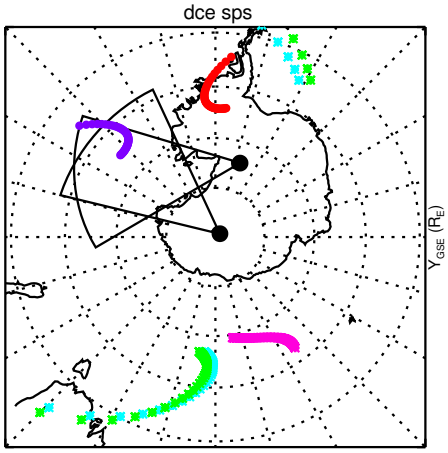


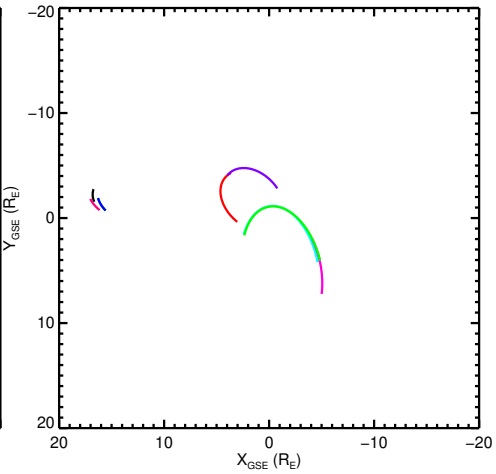


(d) 1320UT to 1715UT
ade bks cve fhe fhw sas sto wal

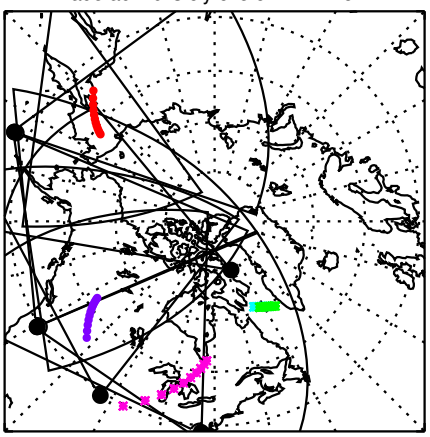


dce sps

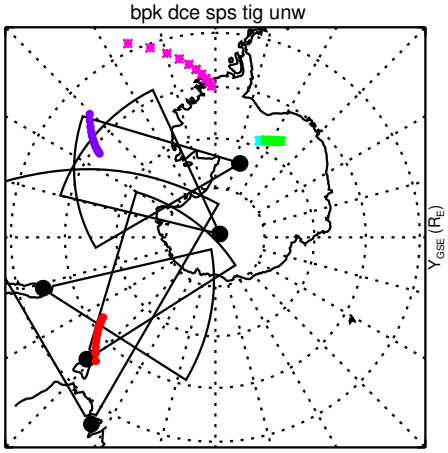


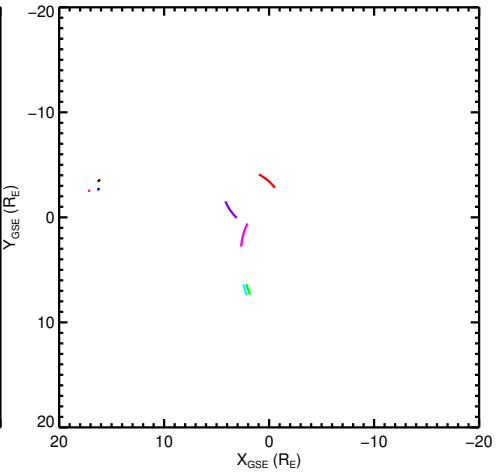


(e) 1920UT to 2015UT
ade adw bks cly cve cvw fhw hok

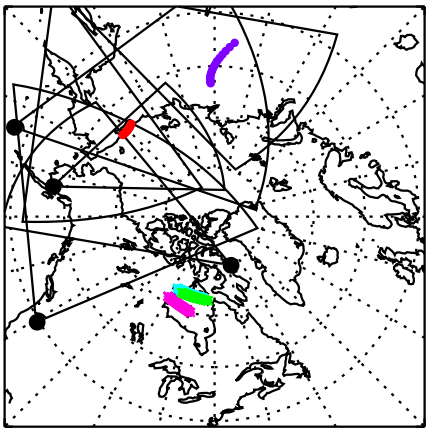


bpk dce sps tig unw

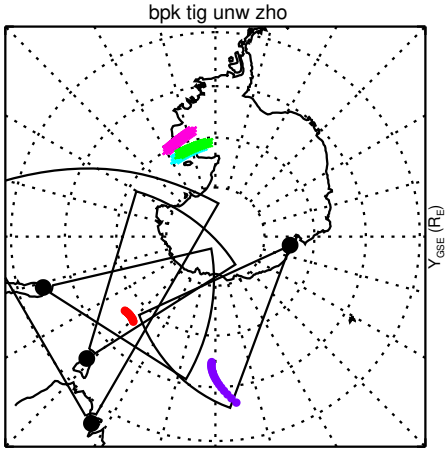


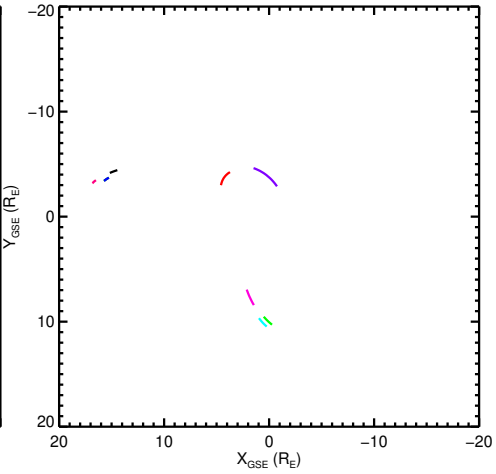


(f) 2225UT to 2355UT
adw cly cvw hkw hok ksr



bpk tig unw zho

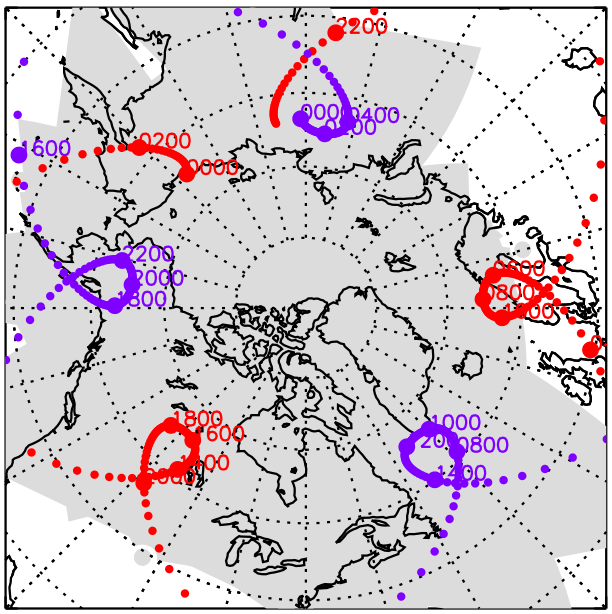


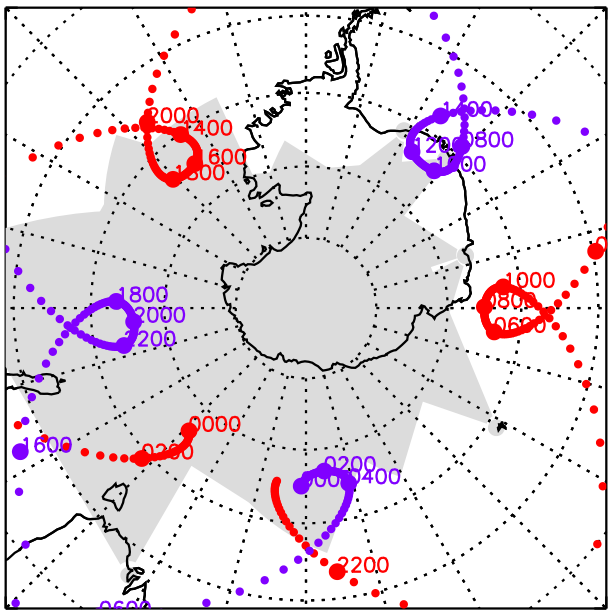


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

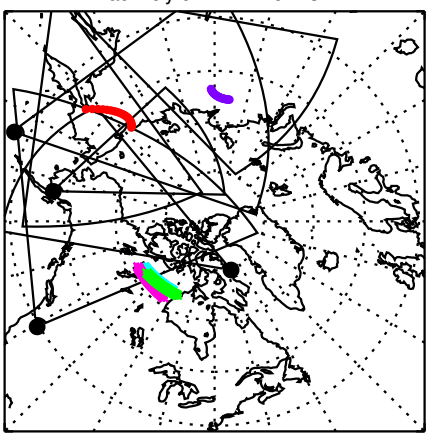
09–Mar–2016

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

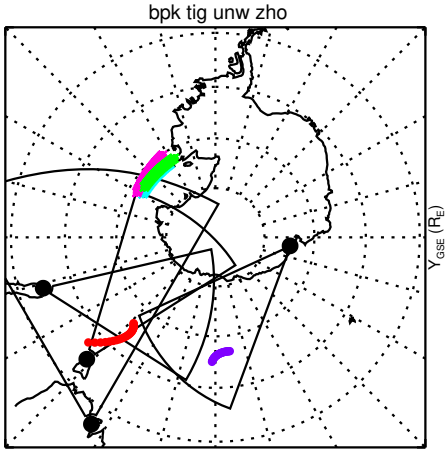


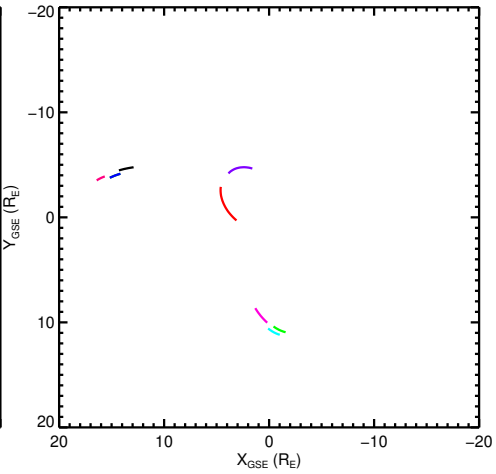


(a) 0000UT to 0210UT
adw cly cvw hkw hok ksr

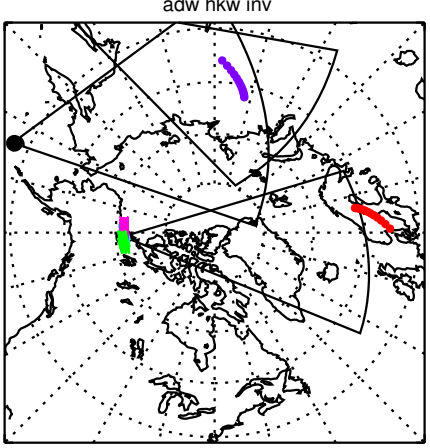


bpk tig unw zho

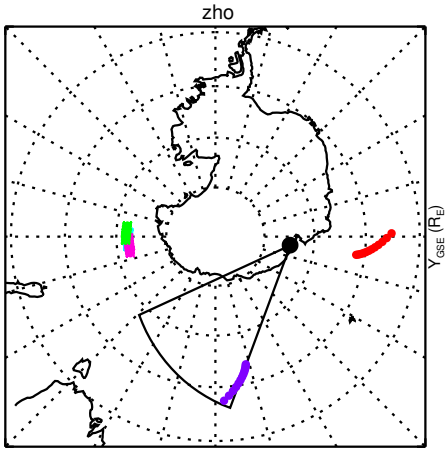


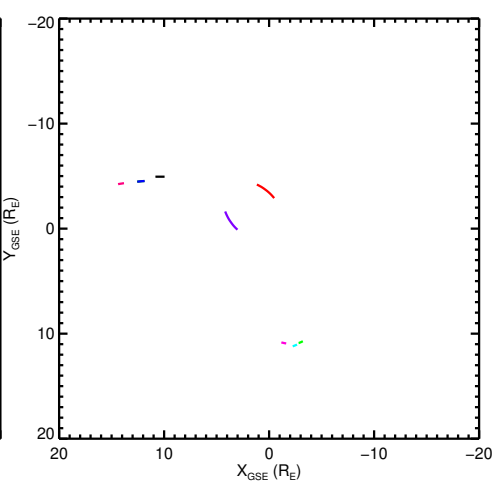


(b) 0420UT to 0520UT
adw hkw inv

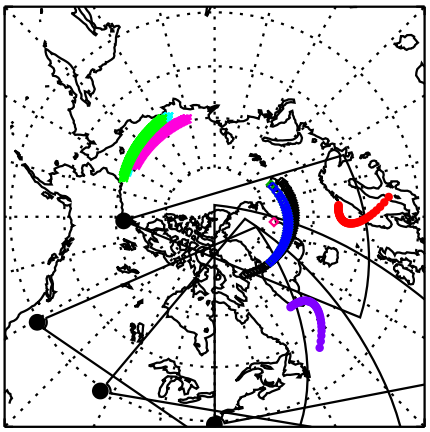


zho

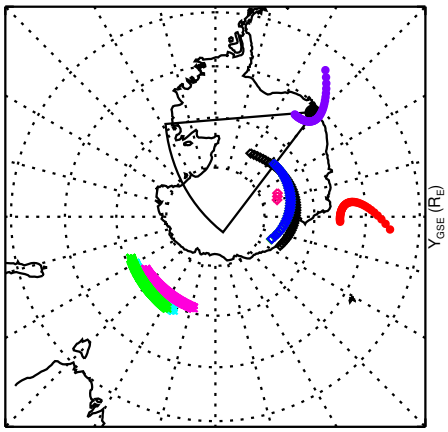


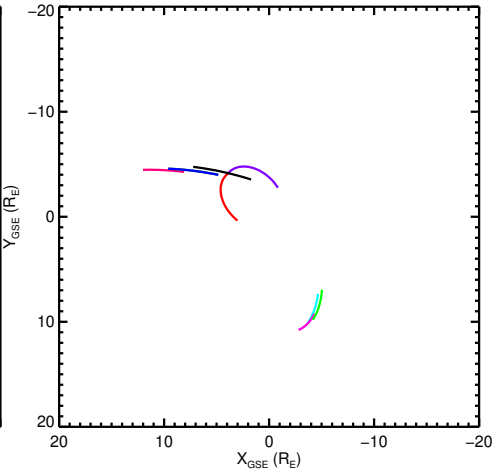


(c) 0725UT to 1110UT
cve fhe inv wal

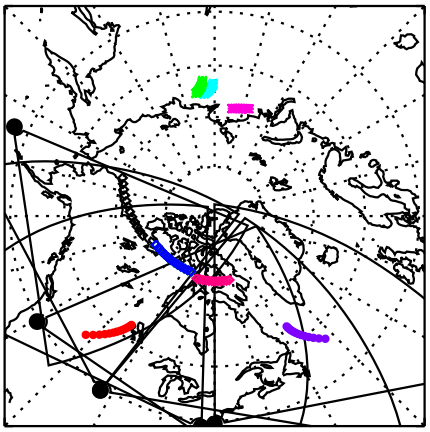


san

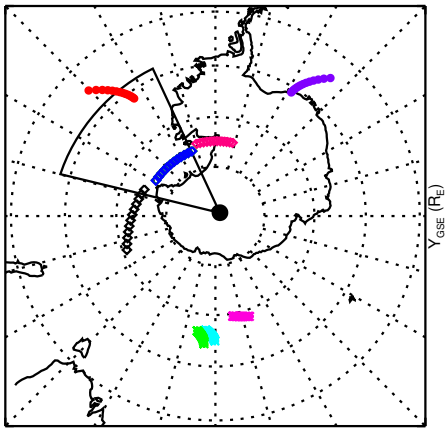


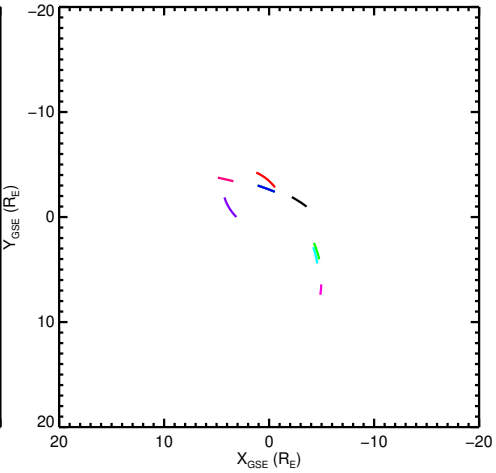


(d) 1315UT to 1420UT
ade bks cve fhe fhw wal

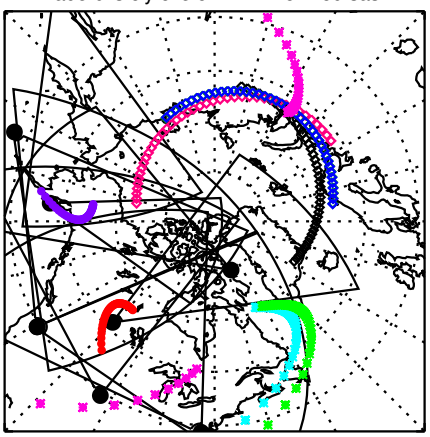


dce

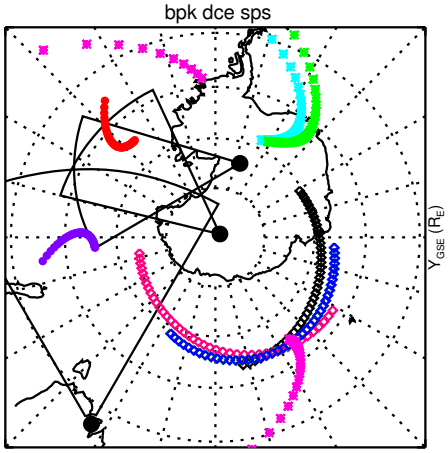


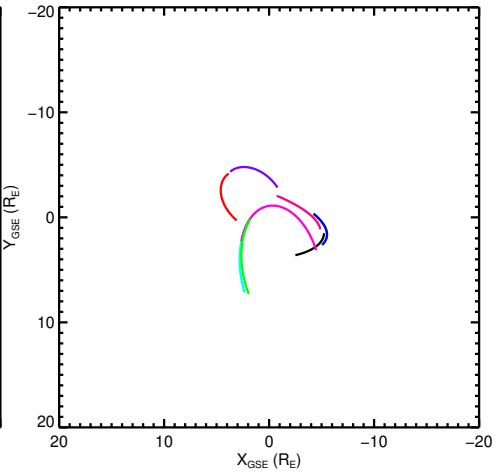


(e) 1630UT to 2005UT
ade bks cly cve cvw fhw hok kod sas

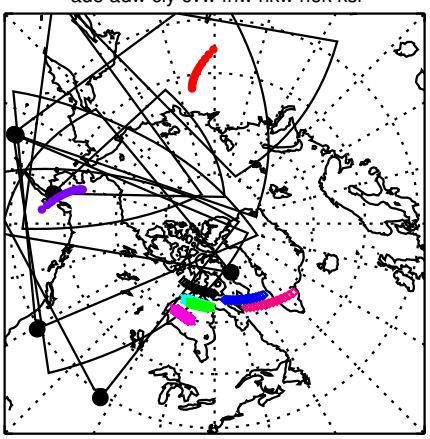


bpk dce sps

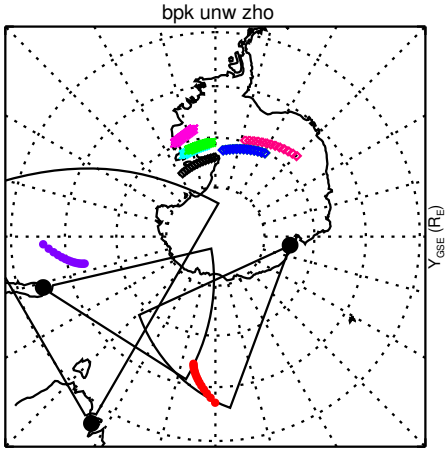


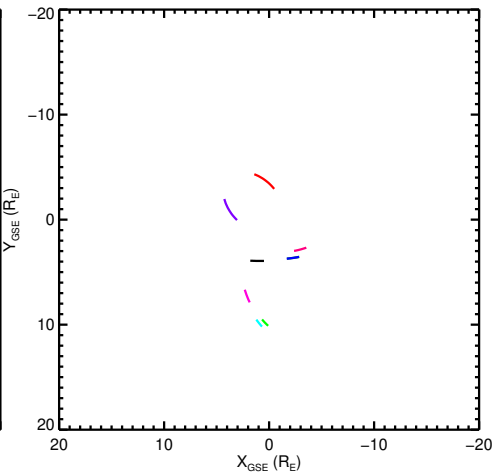


(f) 2215UT to 2325UT
ade adw cly cvw fhw hkw hok ksr



bpk unw zho

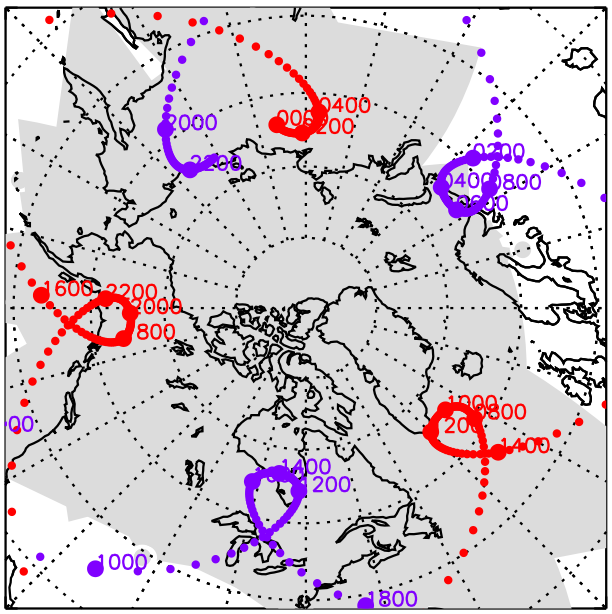


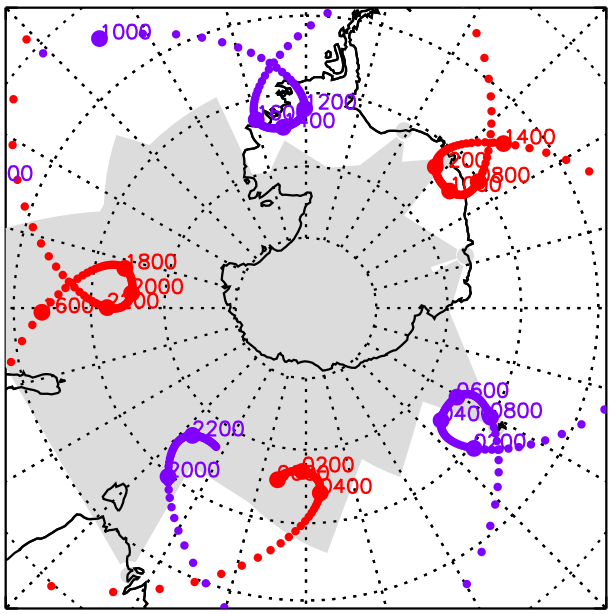


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

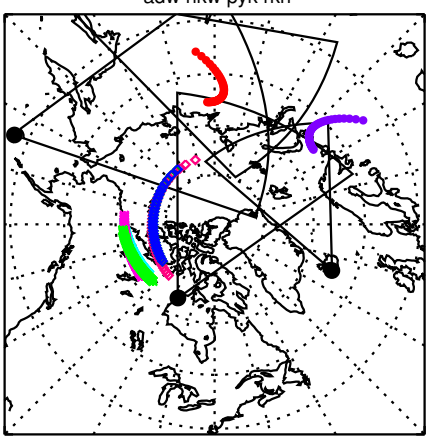
10–Mar–2016

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

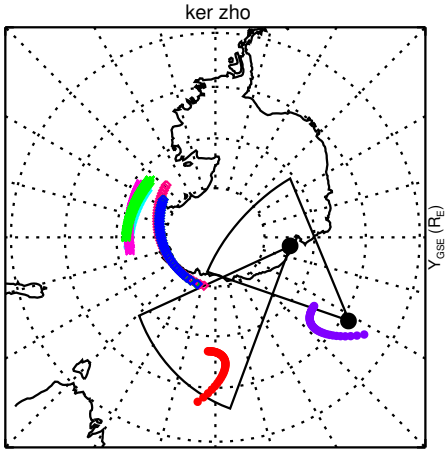


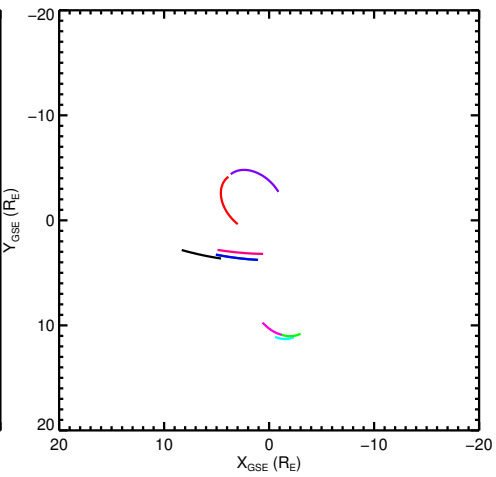


(a) 0130UT to 0505UT
adw hkw pyk rkn

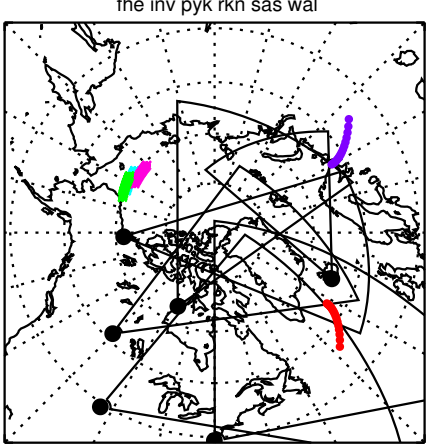


ker zho

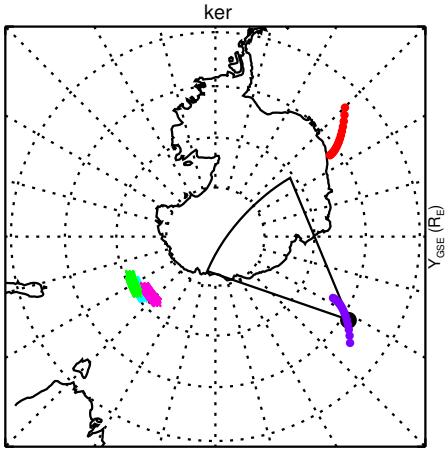


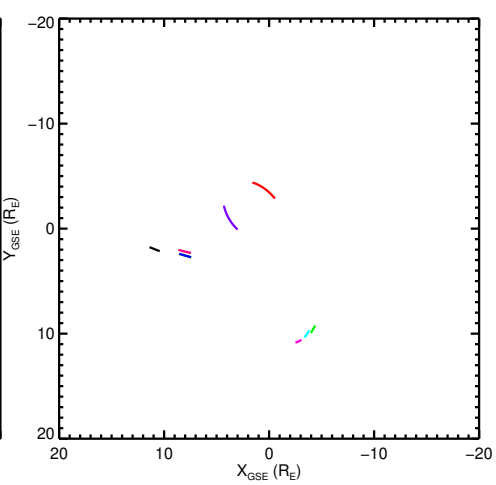


(b) 0710UT to 0830UT
fhe inv pyk rkn sas wal

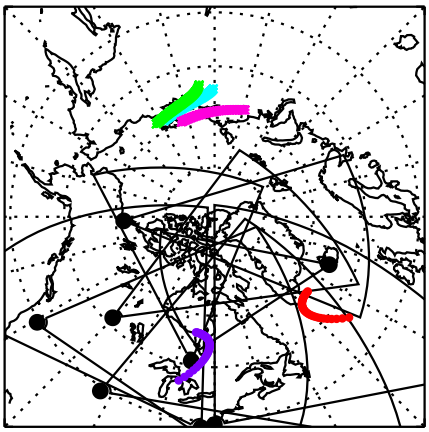


ker

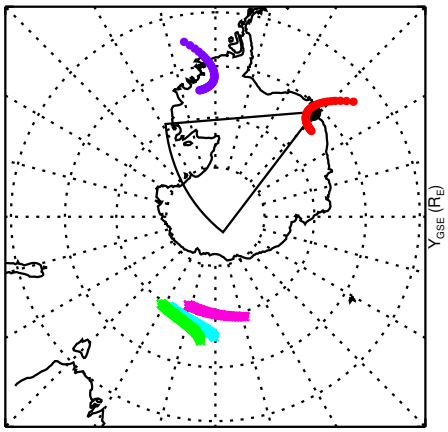


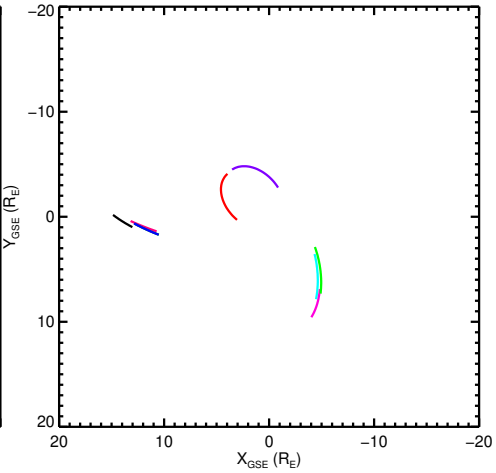


(c) 1035UT to 1400UT
bks cve fhe inv kap sas sto wal

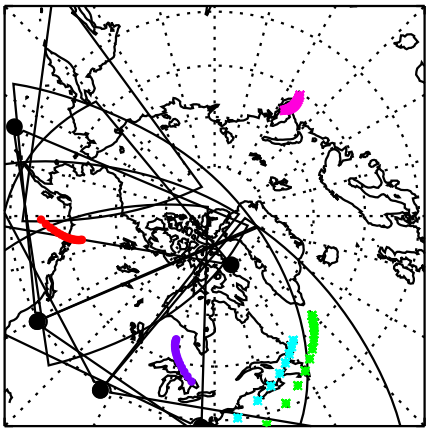


san

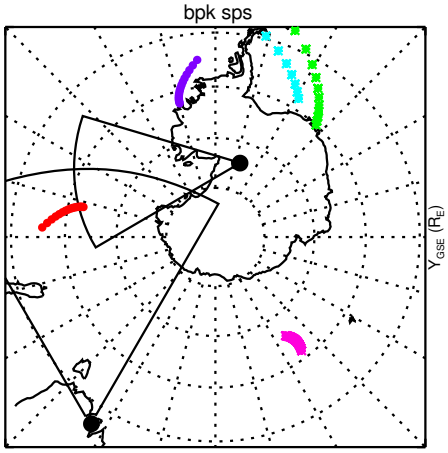


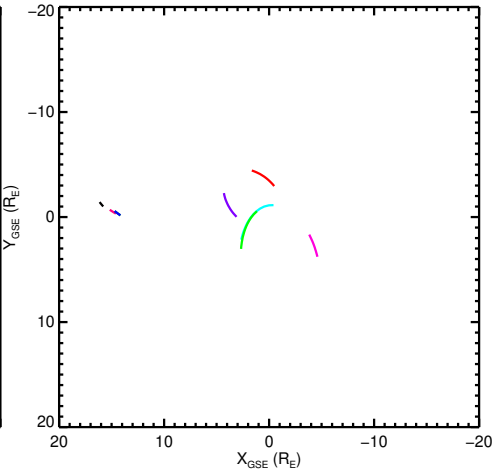


(d) 1610UT to 1730UT
ade bks cly cve cvw fhe fhw hok

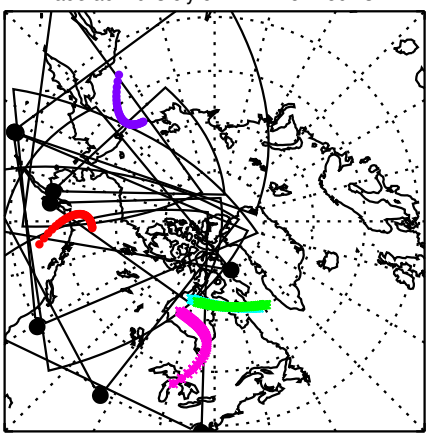


bpk sps

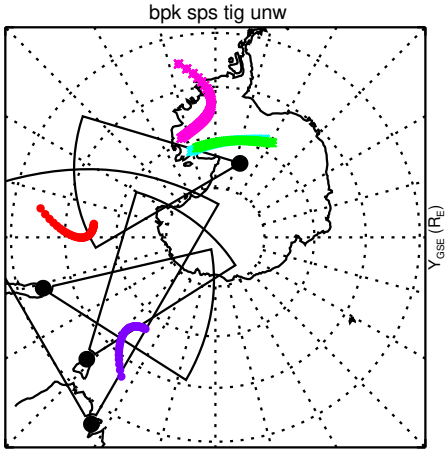


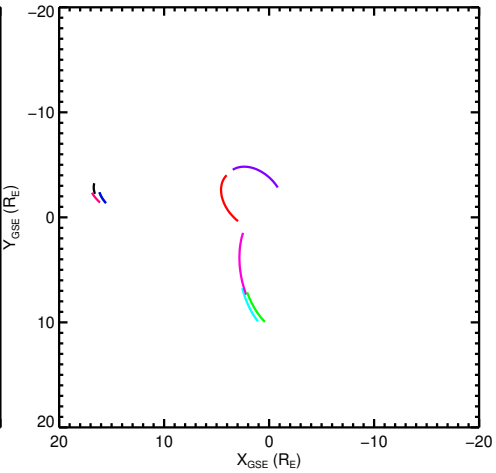


(e) 1940UT to 2300UT
ade adw bks cly cvw fhw hok kod ksr



bpk sps tig unw

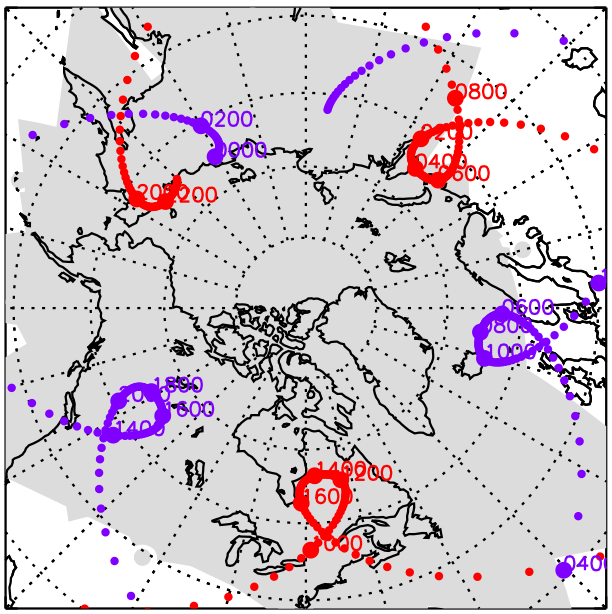


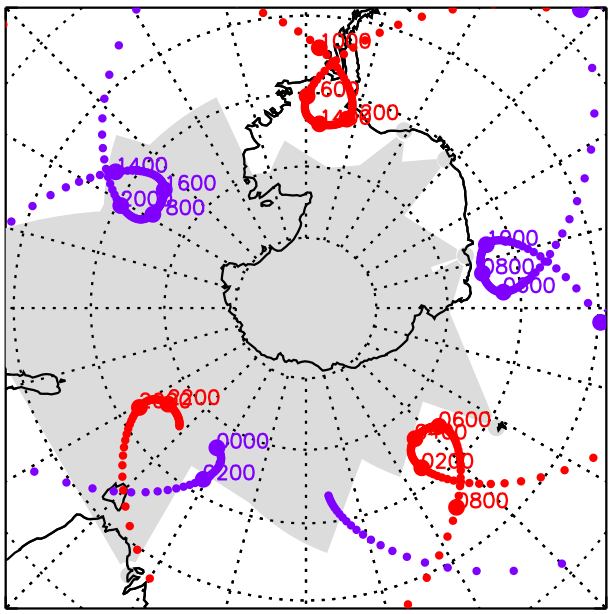


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

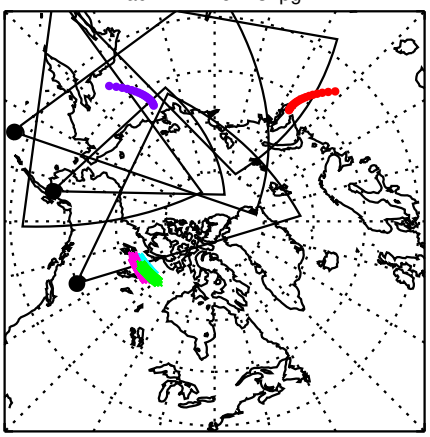
11–Mar–2016

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

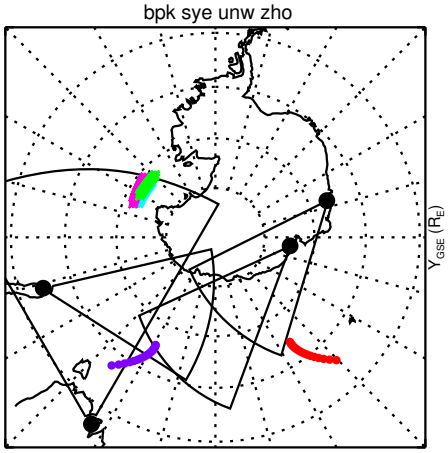


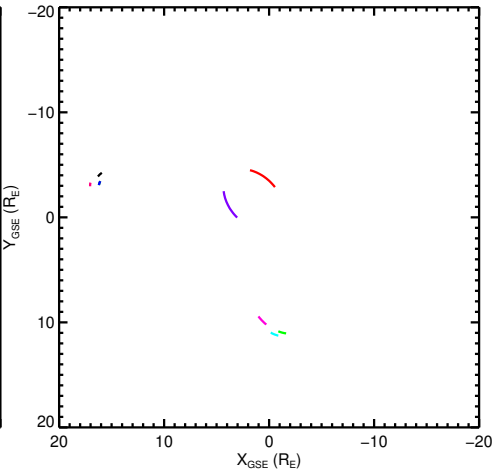


(a) 0105UT to 0235UT
adw hkw hok ksr pgr

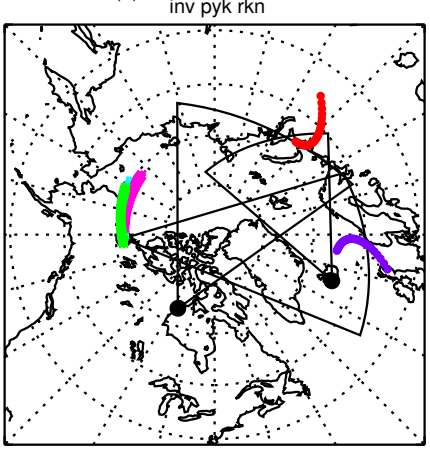


bpk sye unw zho

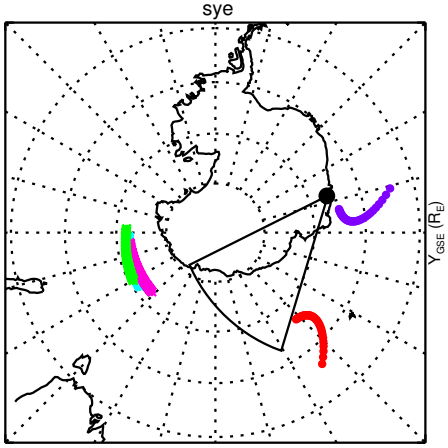


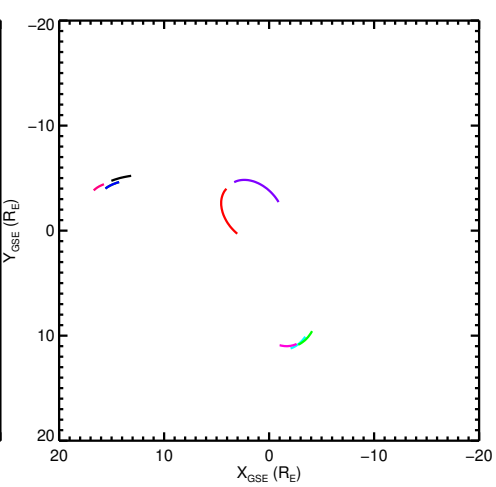


(b) 0440UT to 0755UT
inv pyk rkn

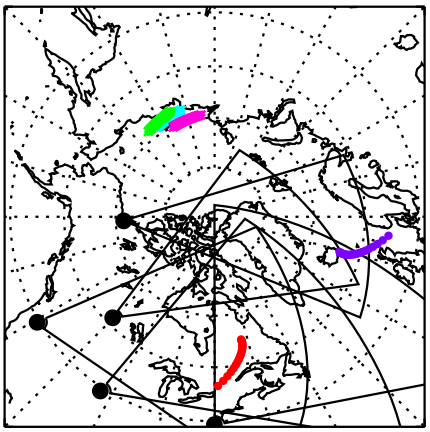


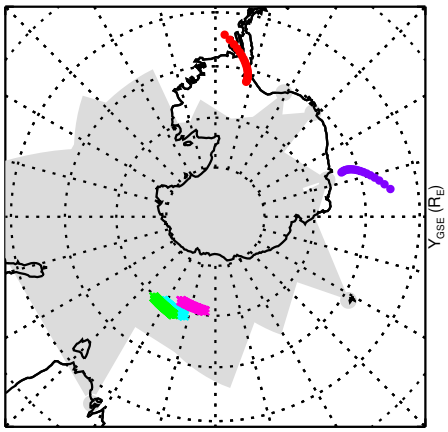
sye

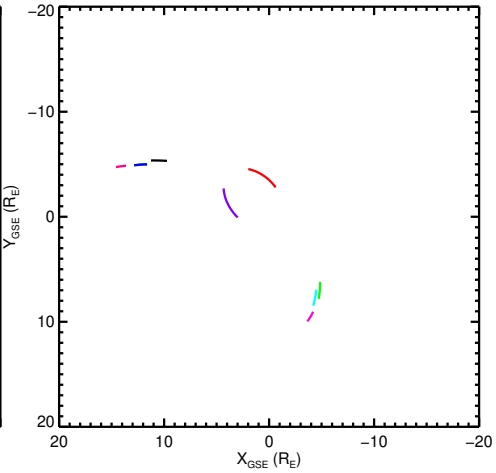




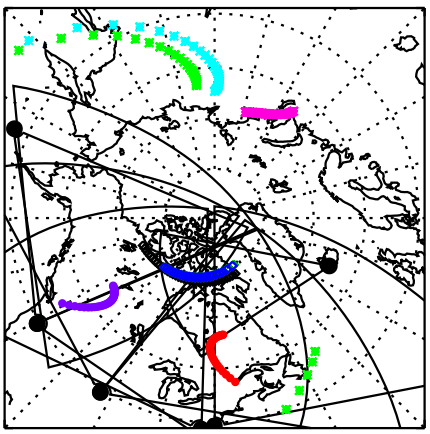
(c) 1000UT to 1140UT
cve fhe inv sas wal



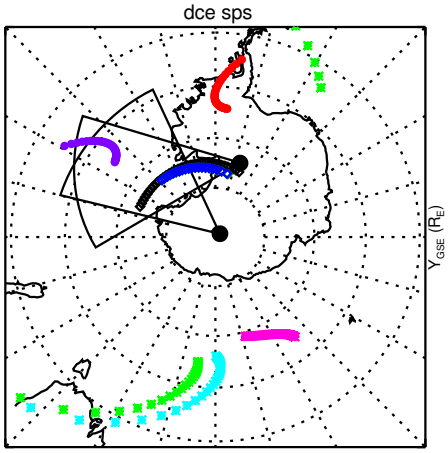


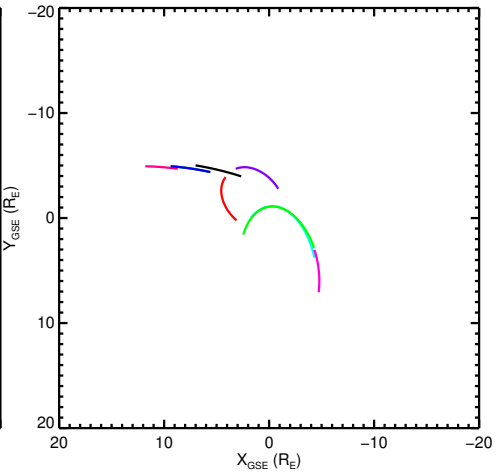


(d) 1345UT to 1650UT
ade bks cve cvw fhe fhw sto wal

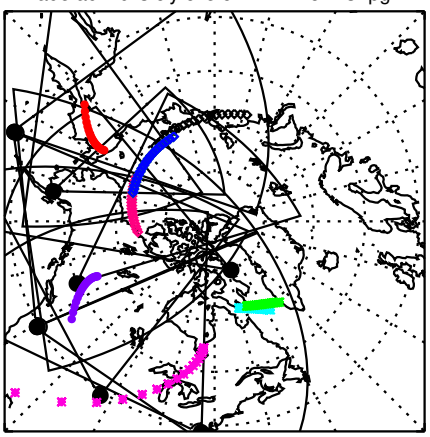


dce sps

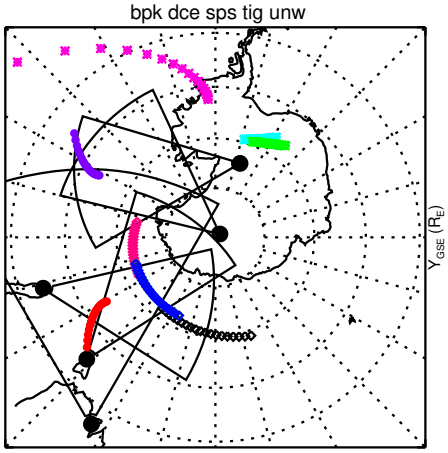


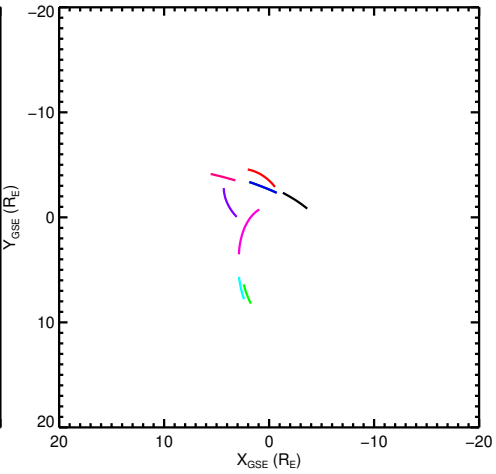


(e) 1900UT to 2040UT
ade adw bks cly cve cvw fhw hok ksr pgr

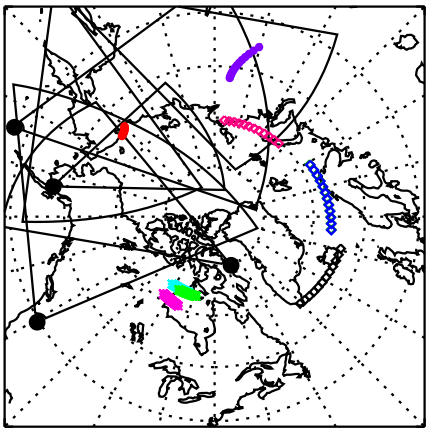


bpk dce sps tig unw

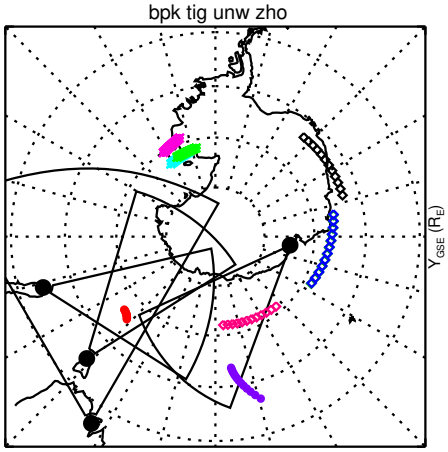


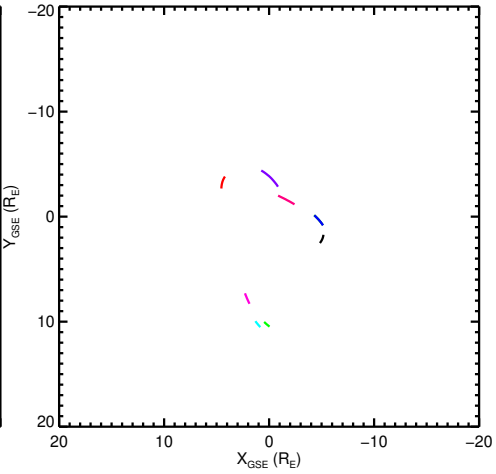


(f) 2250UT to 2355UT
adw cly cvw hkw hok ksr



bpk tig unw zho

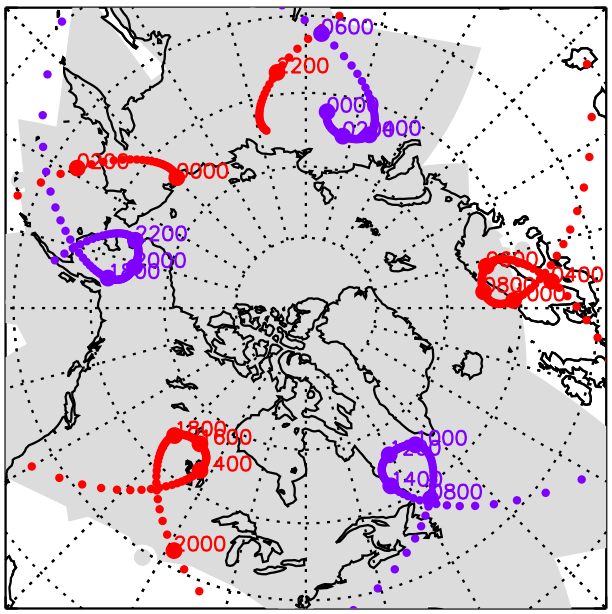


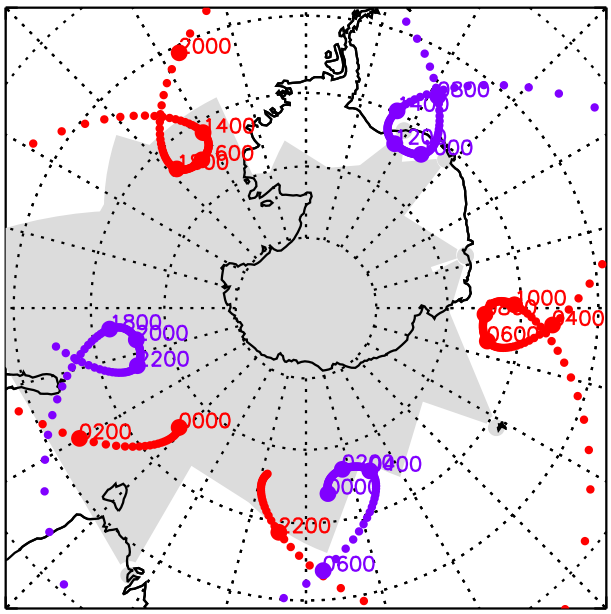


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

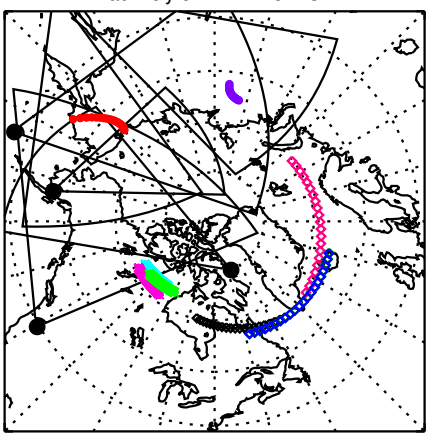
12–Mar–2016

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

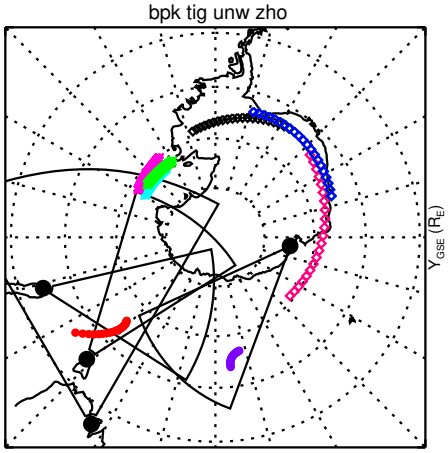


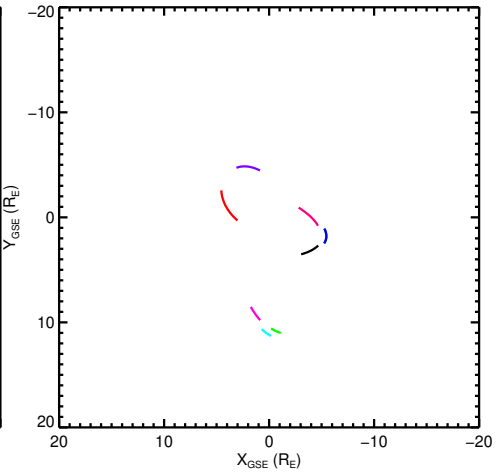


(a) 0000UT to 0150UT
adw cly cvw hkw hok ksr

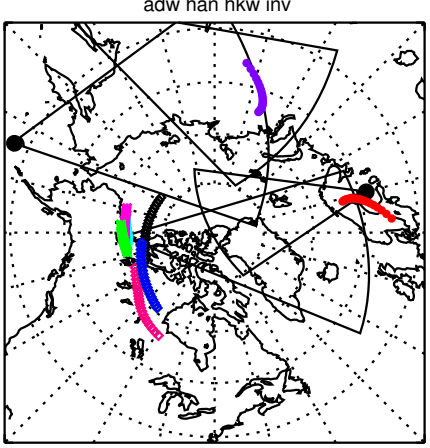


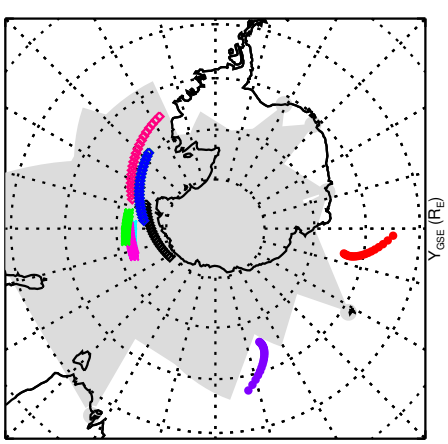
bpk tig unw zho

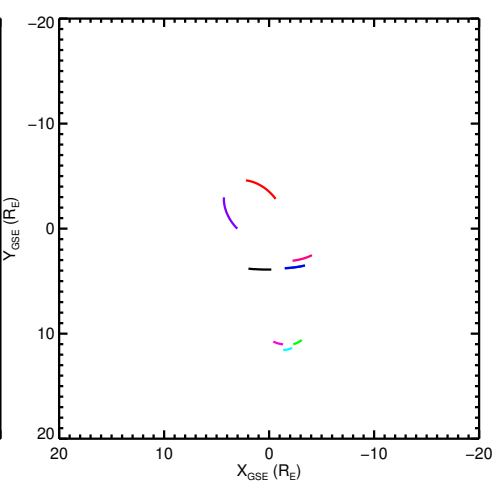




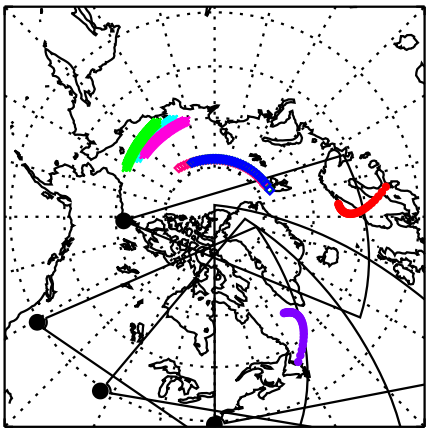
(b) 0355UT to 0545UT
adw han hkw inv

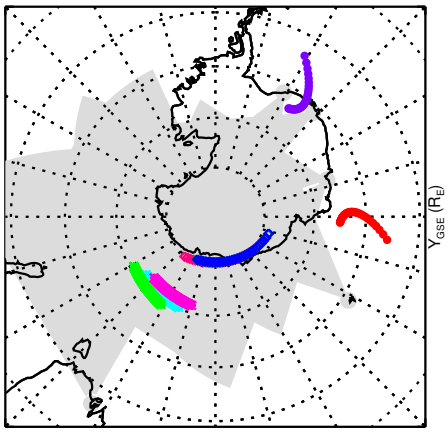


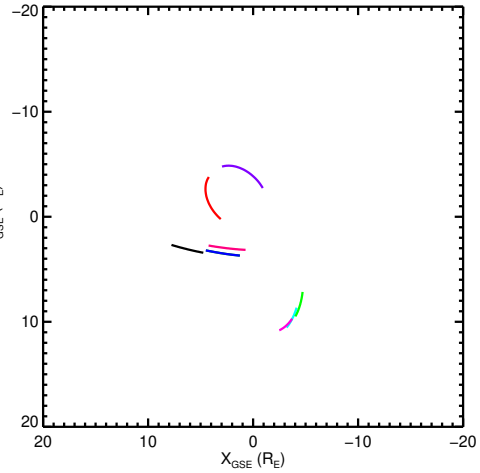




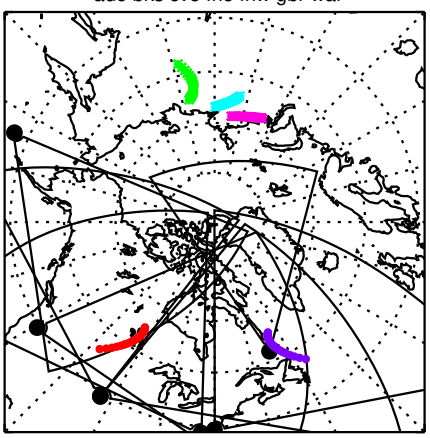
(c) 0750UT to 1045UT
cve fhe inv wal



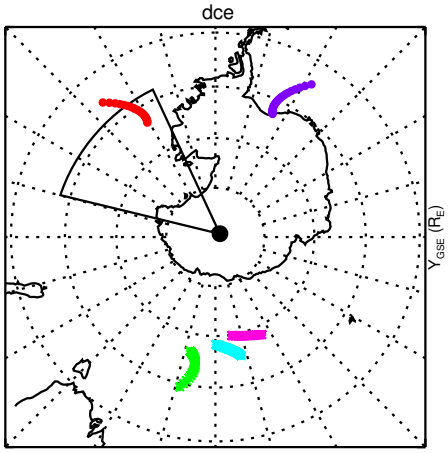


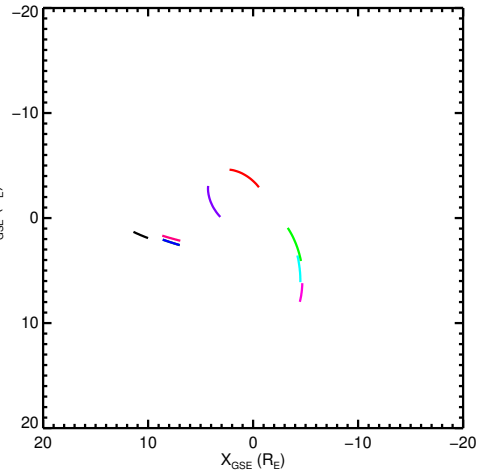


(d) 1255UT to 1445UT
ade bks cve fhe fhw gbr wal

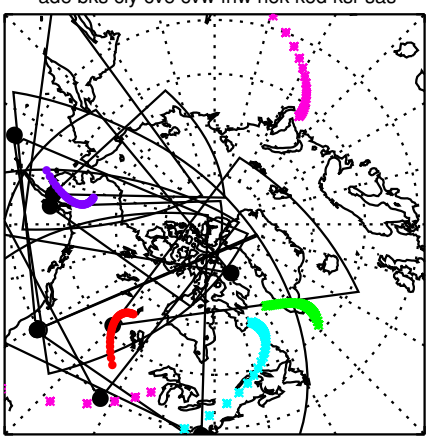


dce

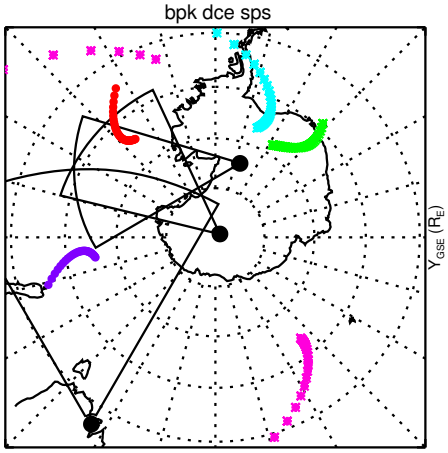


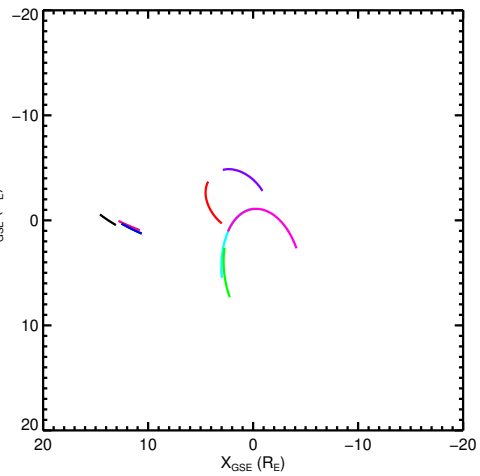


(e) 1655UT to 1945UT
ade bks cly cve cvw fhw hok kod ksr sas

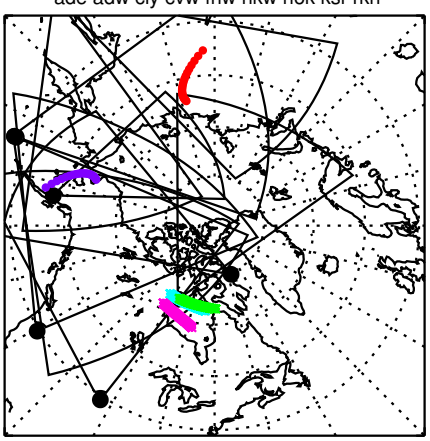


bpk dce sps

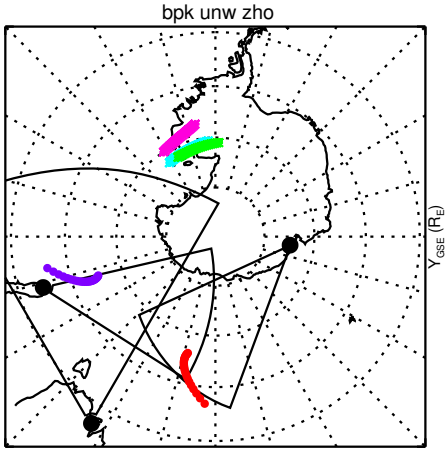


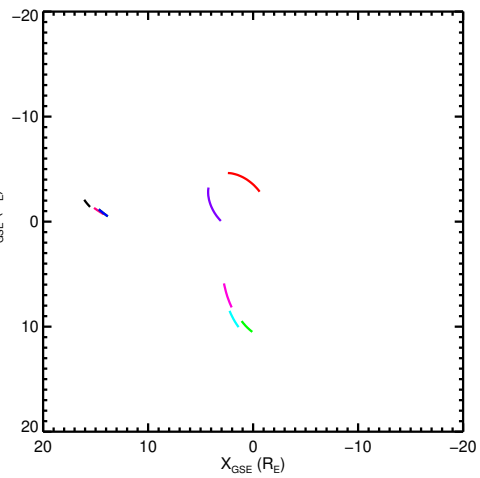


(f) 2150UT to 2350UT
ade adw cly cvw fhw hkw hok ksr rkn



bpk unw zho

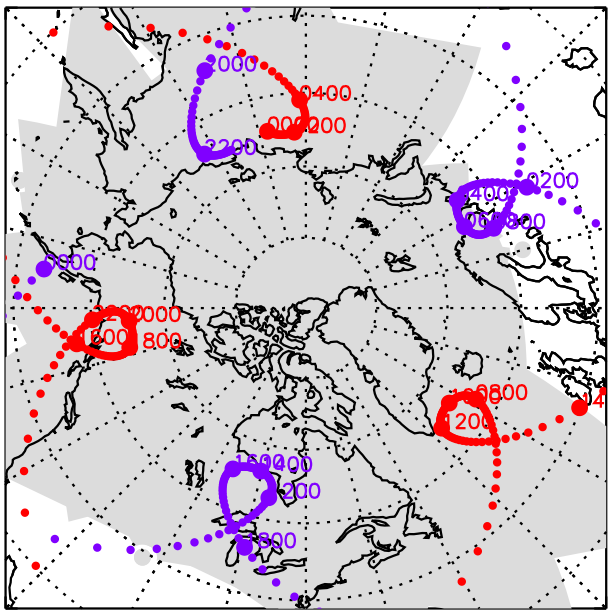


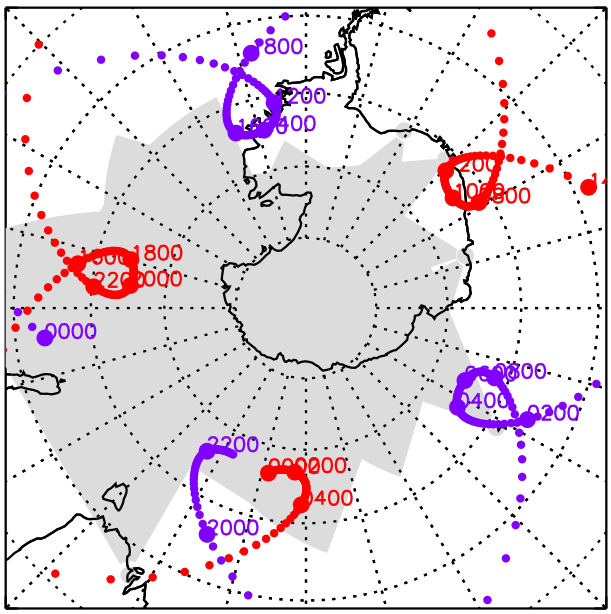


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

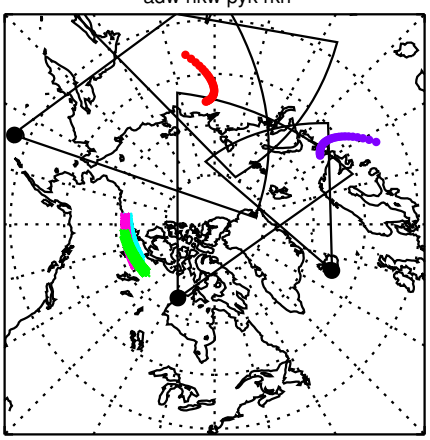
13–Mar–2016

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

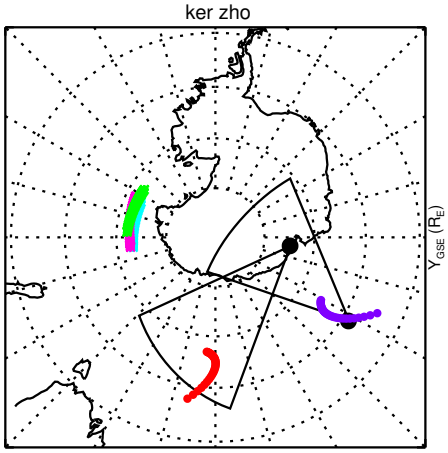


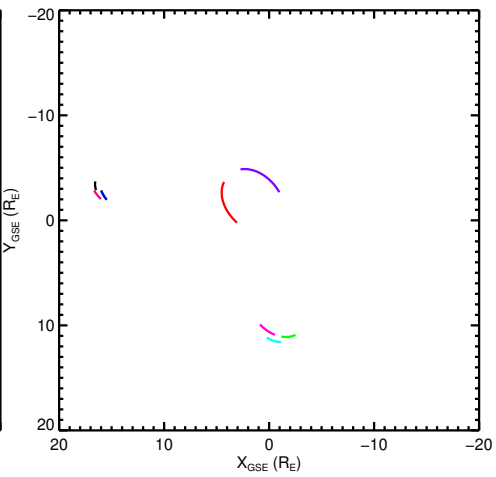


(a) 0155UT to 0440UT
adw hkw pyk rkn

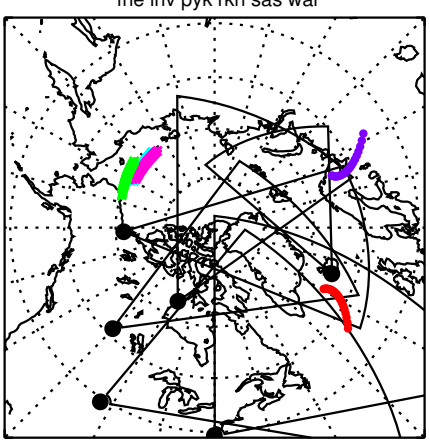


ker zho

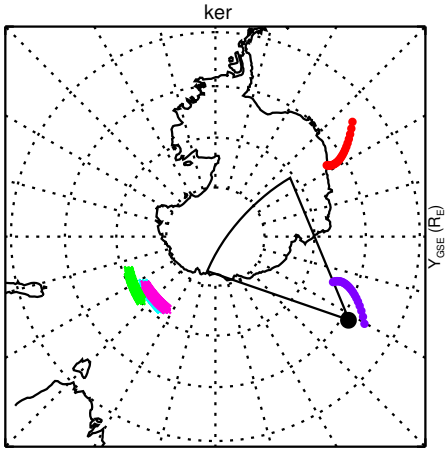


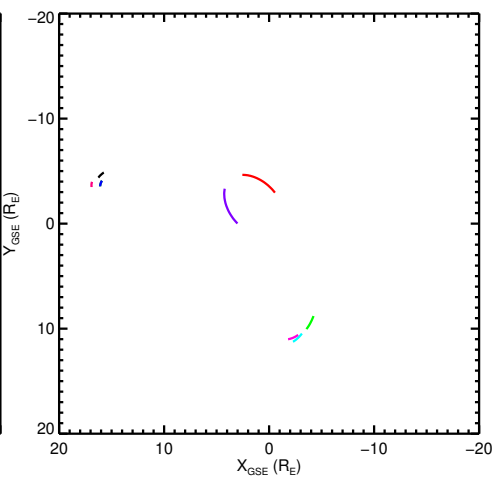


(b) 0650UT to 0855UT
fhe inv pyk rkn sas wal

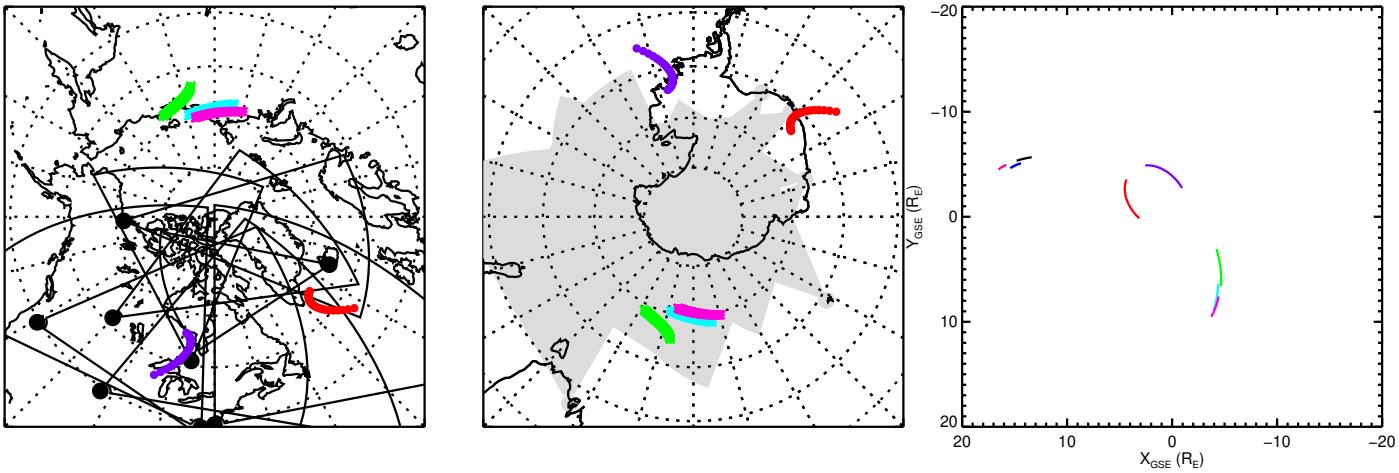


ker



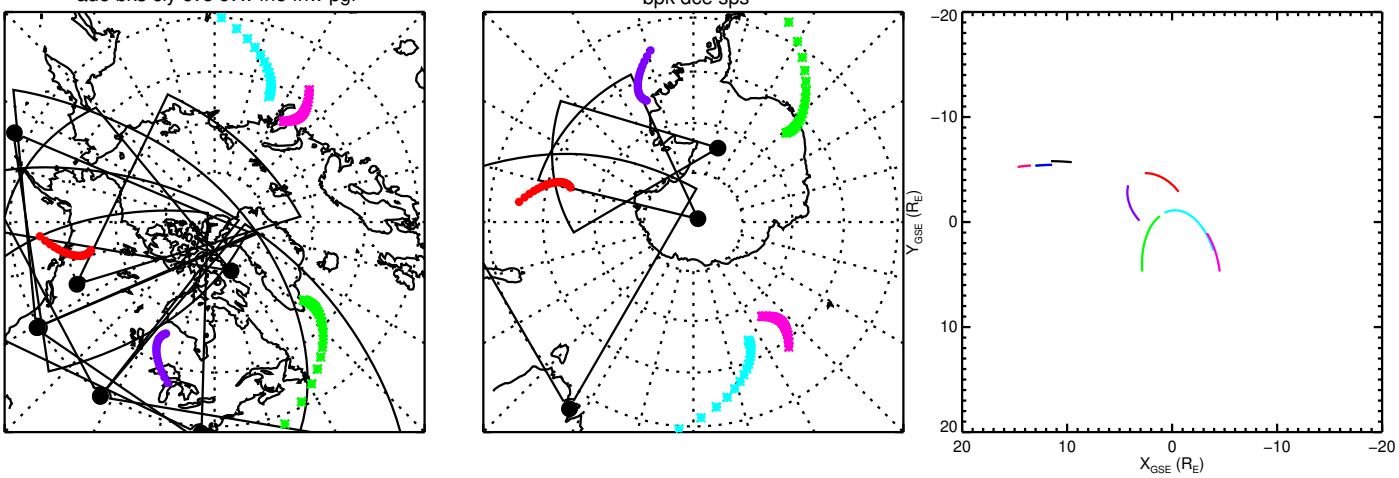


(c) 1100UT to 1335UT
bks cve fhe inv kap sas sto wal



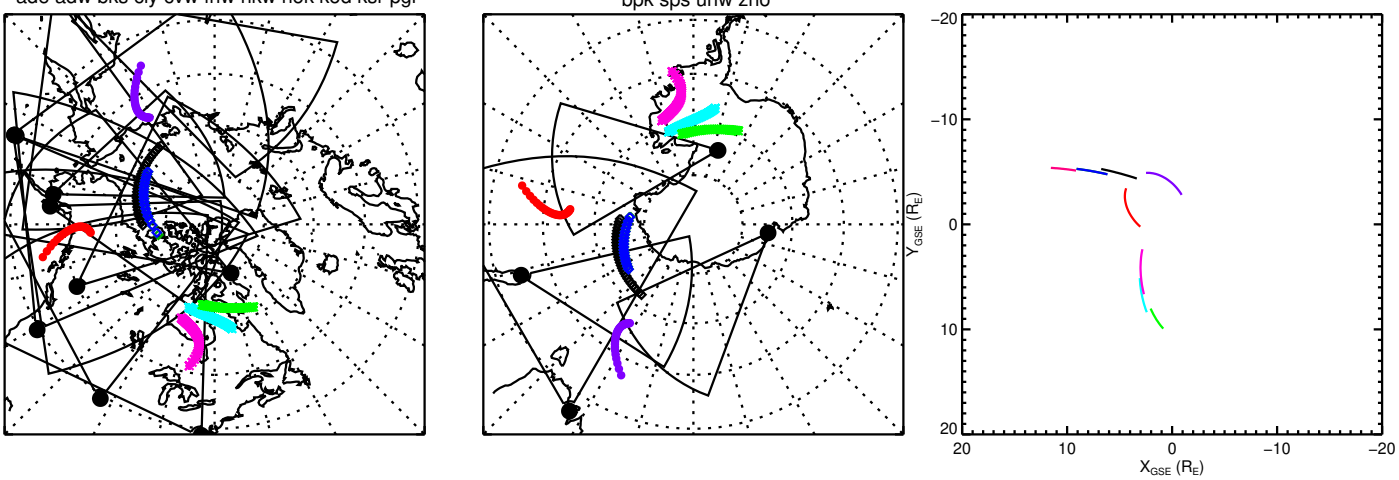
(d) 1545UT to 1755UT
ade bks cly cve cvw fhe fhw pgr

bpk dce sps



(e) 2005UT to 2235UT
ade adw bks cly cvw fhw hkw hok kod ksr pgr

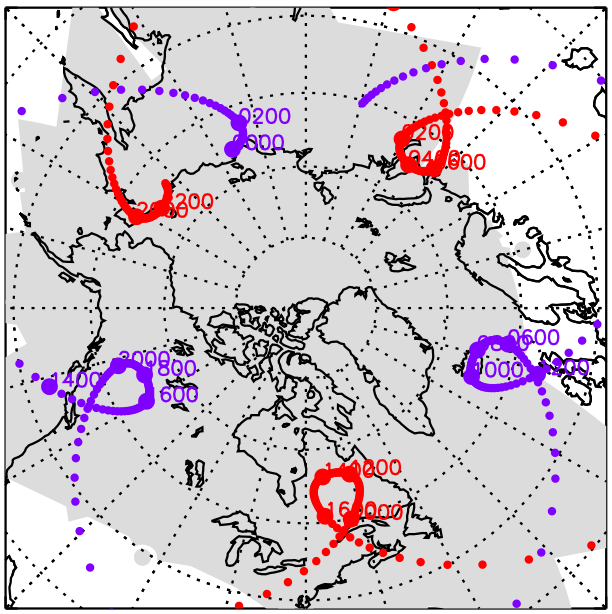
bpk sps unw zho

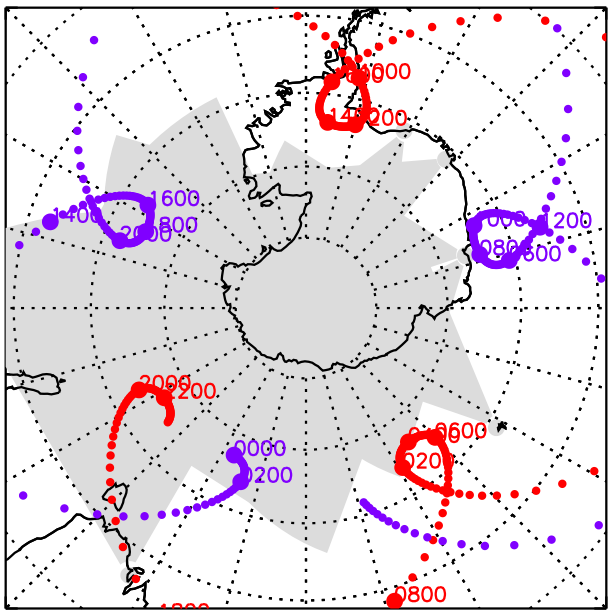


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

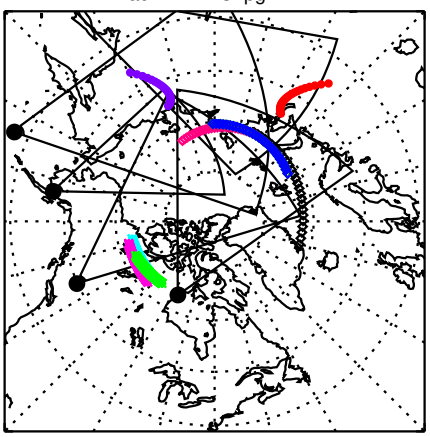
14–Mar–2016

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

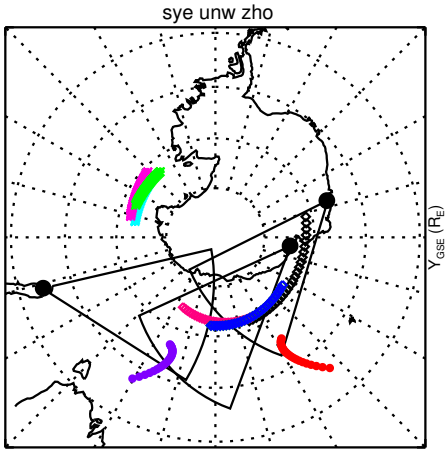


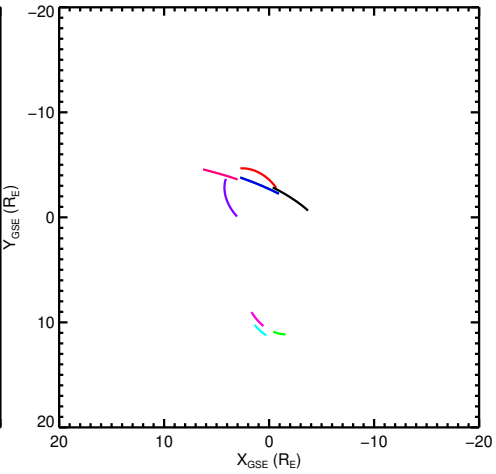


(a) 0040UT to 0300UT
adw hkw ksr pgr rkn

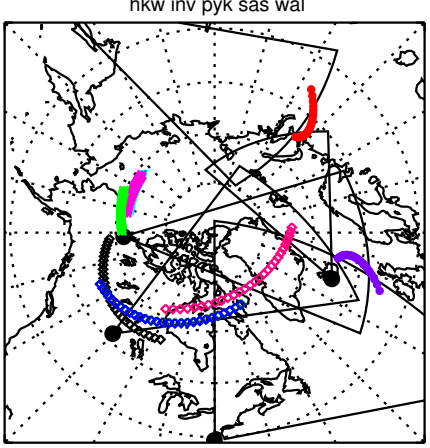


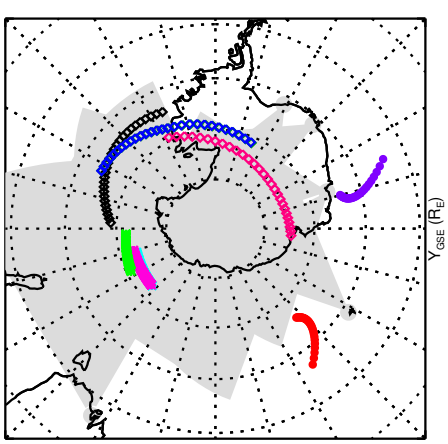
sye unw zho

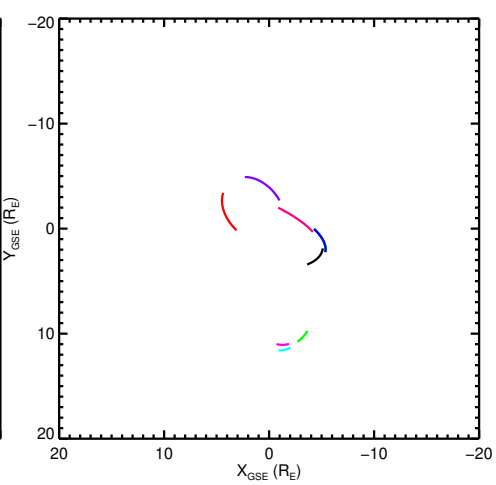




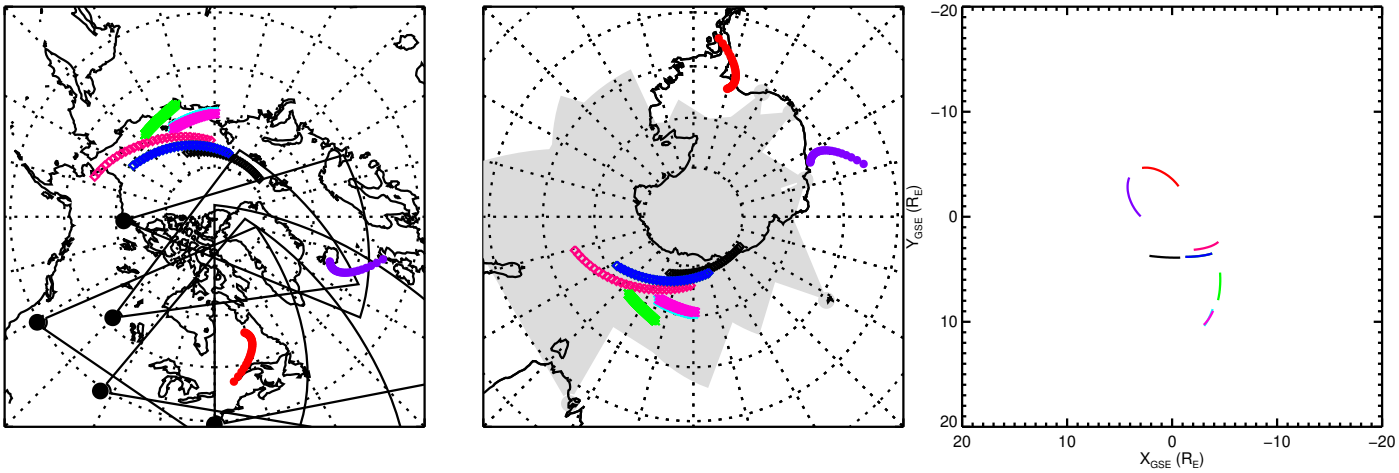
(b) 0505UT to 0730UT
hkw inv pyk sas wal





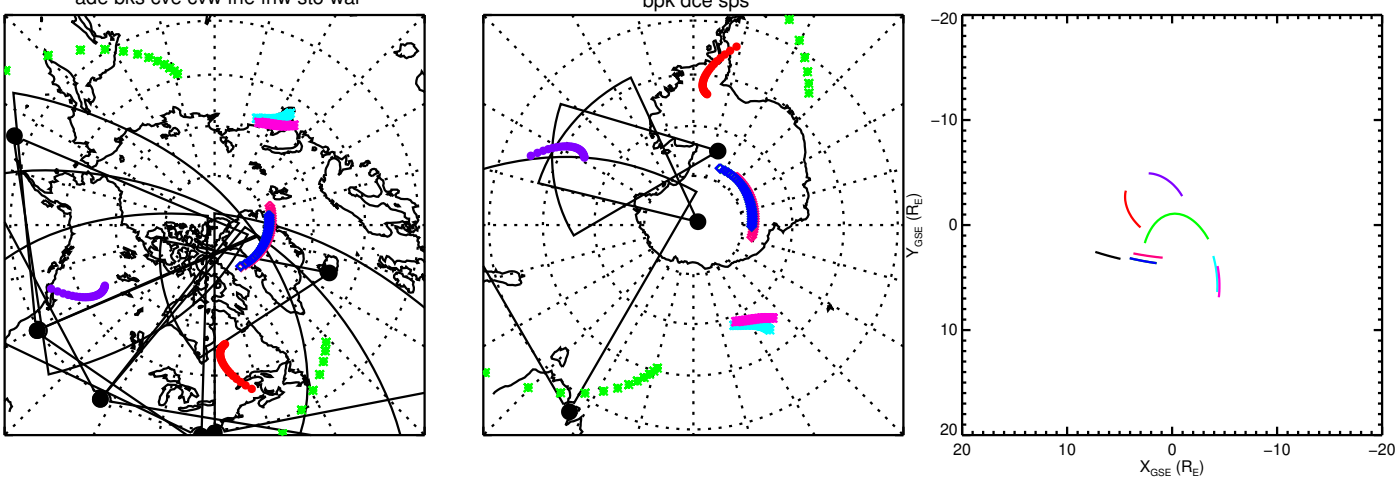


(c) 0940UT to 1205UT
cve fhe inv sas wal



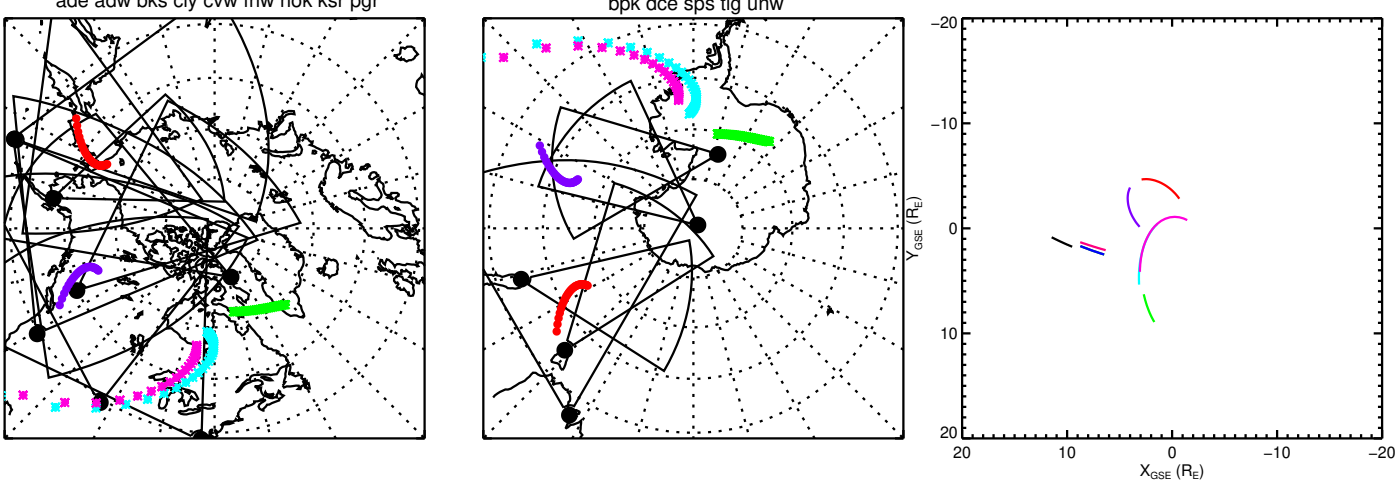
(d) 1410UT to 1630UT
ade bks cve cvw fhe fhw sto wal

bpk dce sps



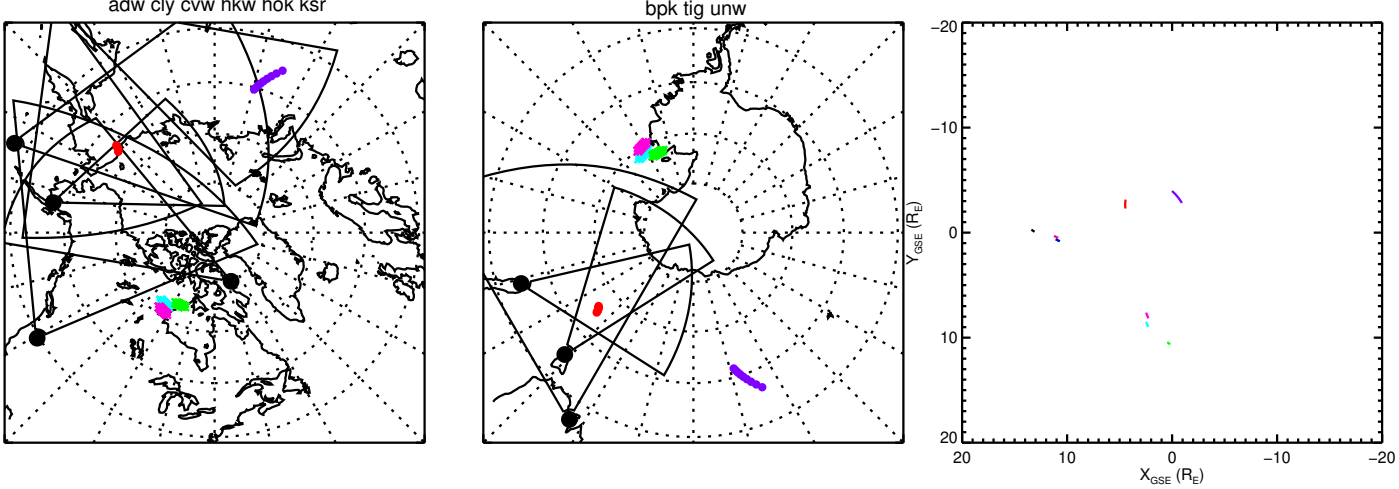
(e) 1835UT to 2105UT
ade adw bks cly cvw fhw hok ksr pgr

bpk dce sps tig unw



(f) 2315UT to 2355UT
adw cly cvw hkw hok ksr

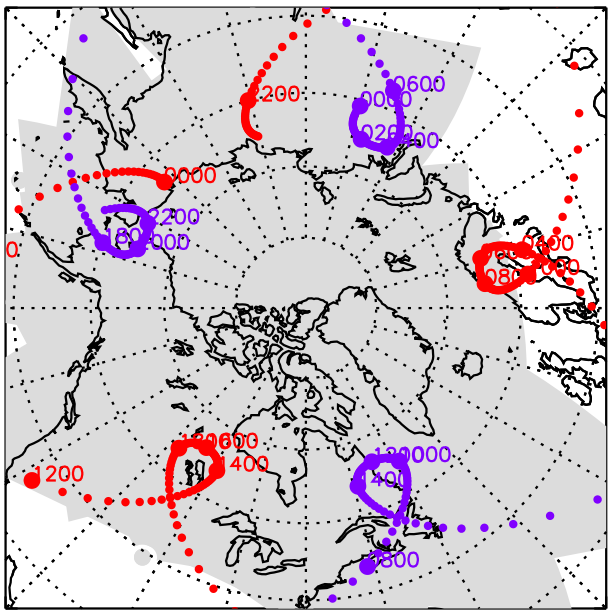
bpk tig unw

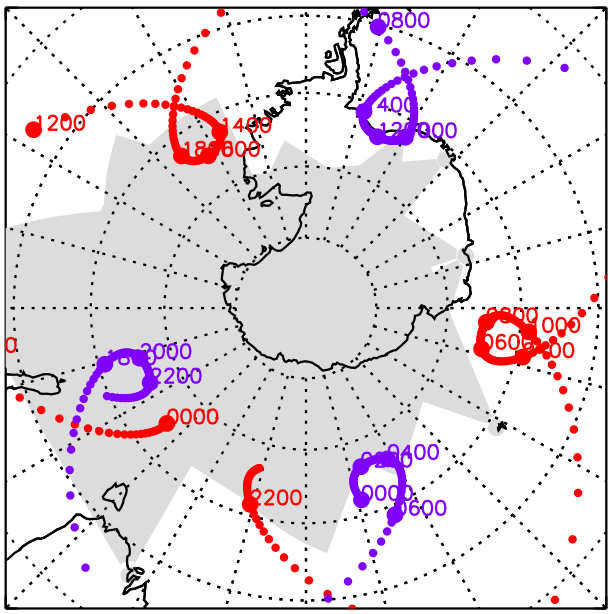


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

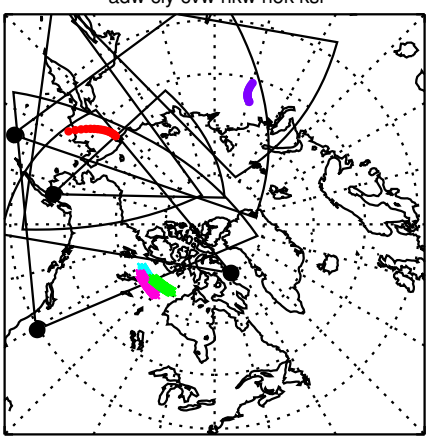
15–Mar–2016

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

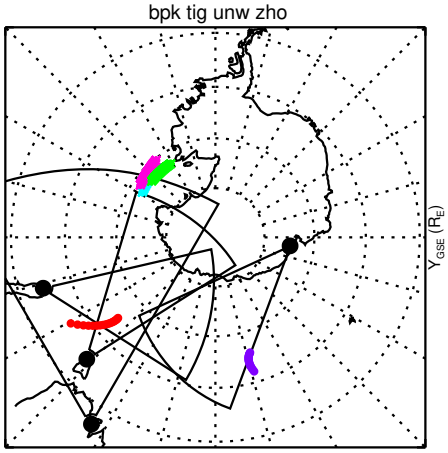


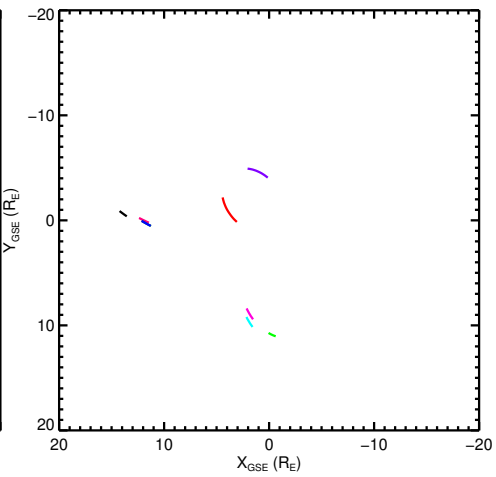


(a) 0000UT to 0125UT
adw cly cvw hkw hok ksr

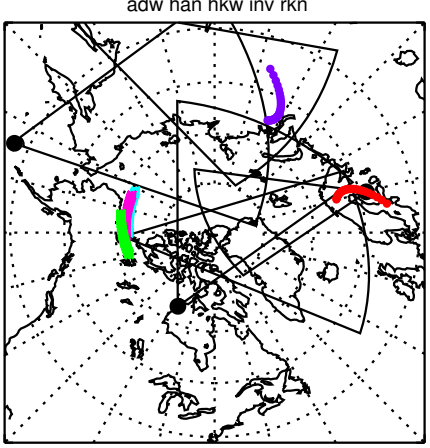


bpk tig unw zho





(b) 0335UT to 0610UT
adw han hkw inv rkn



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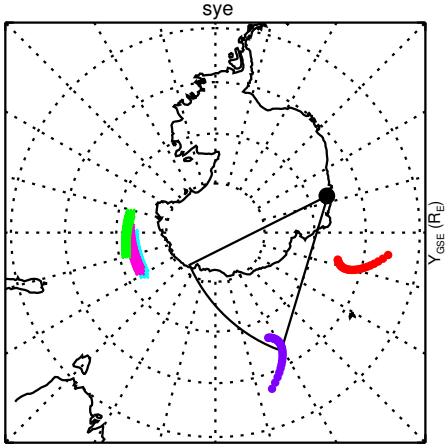
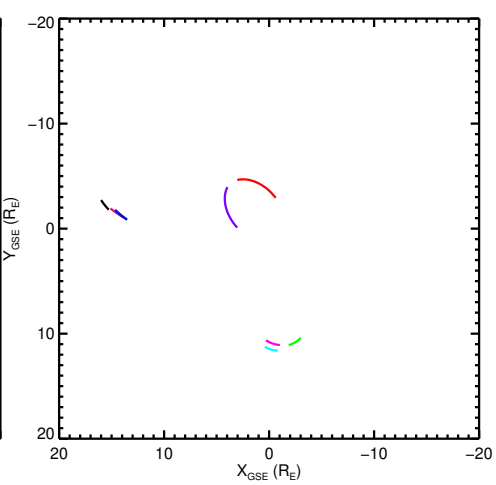
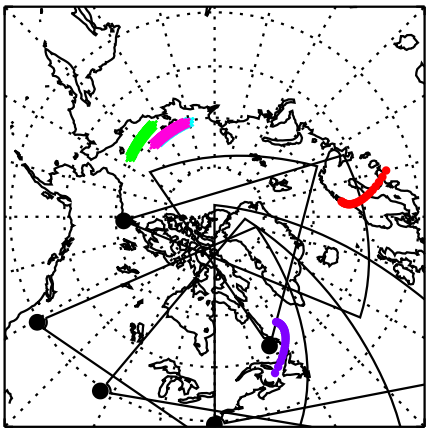
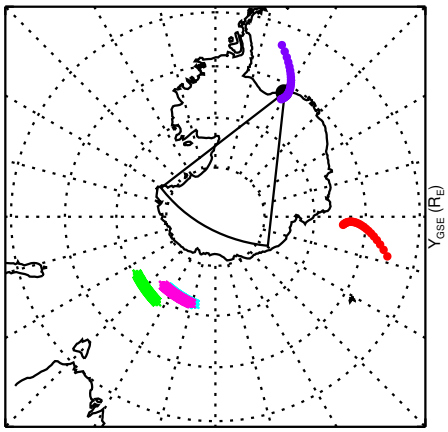


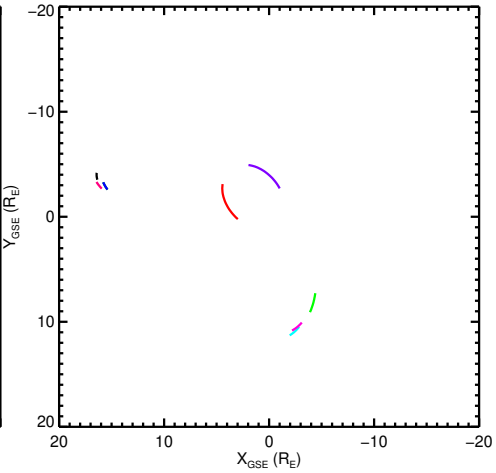


(c) 0815UT to 1025UT
cve fhe gbr inv wal

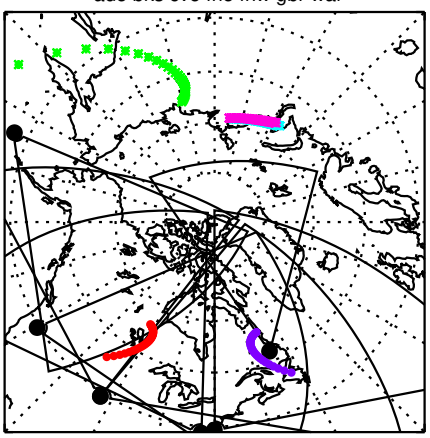


hal

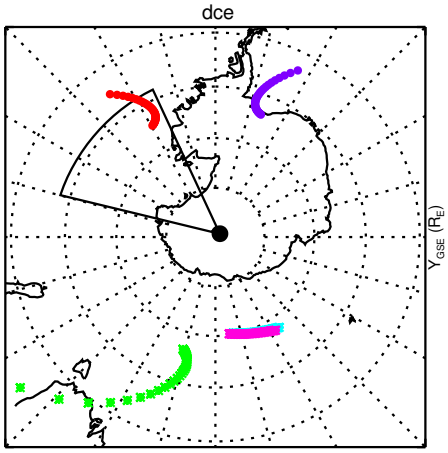


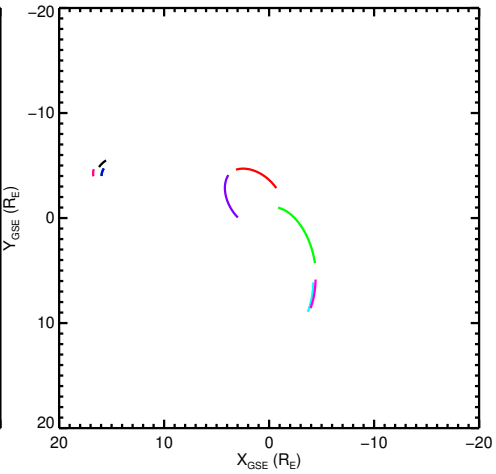


(d) 1230UT to 1515UT
ade bks cve fhe fhw gbr wal

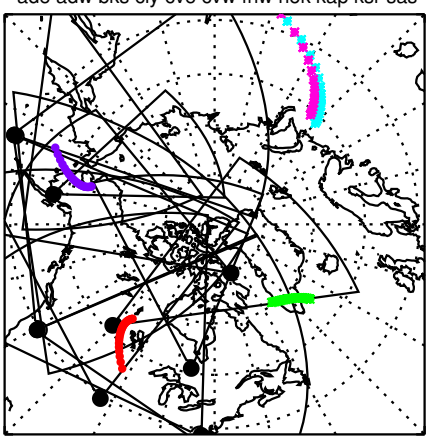


dce

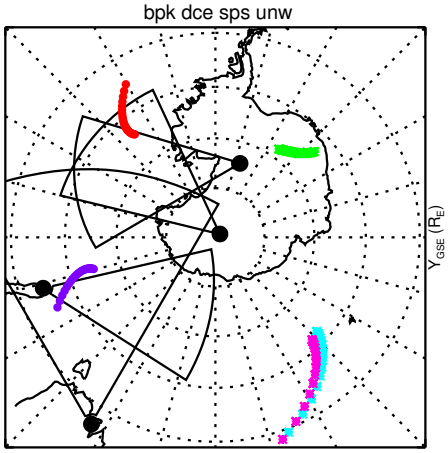


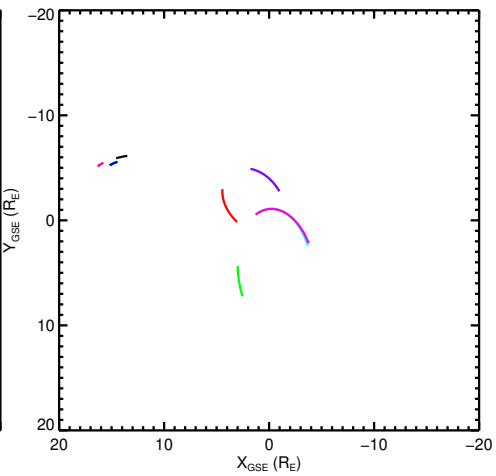


(e) 1720UT to 1920UT
ade adw bks cly cve cvw fhw hok kap ksr sas

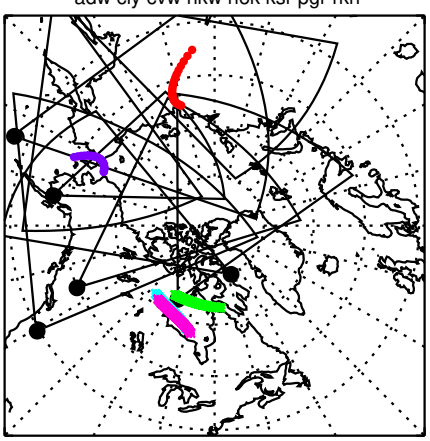


bpk dce sps unw

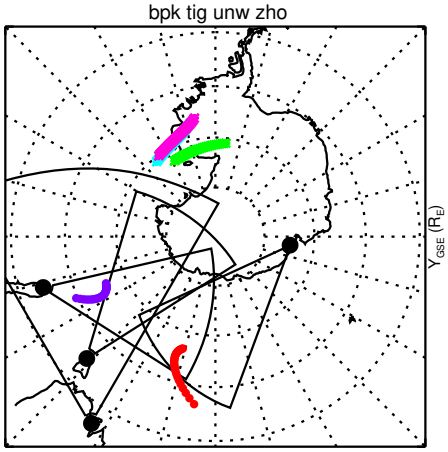


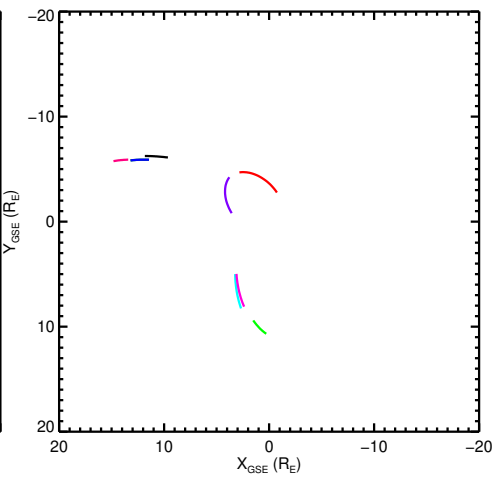


(f) 2125UT to 2355UT
adw cly cvw hkw hok ksr pgr rkn



bpk tig unw zho

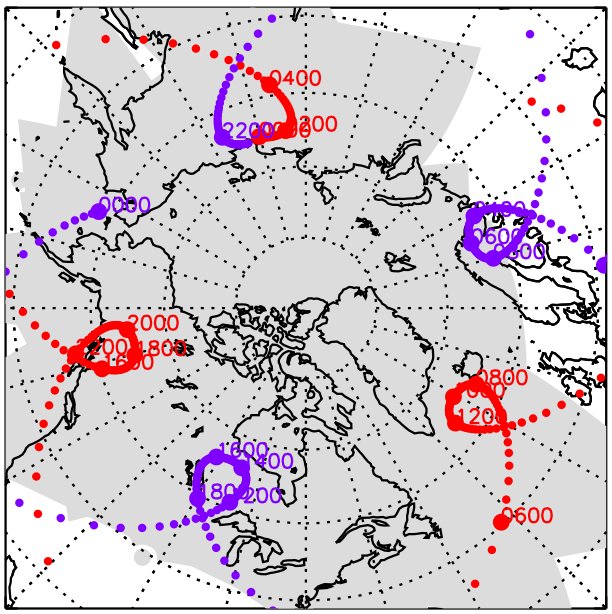


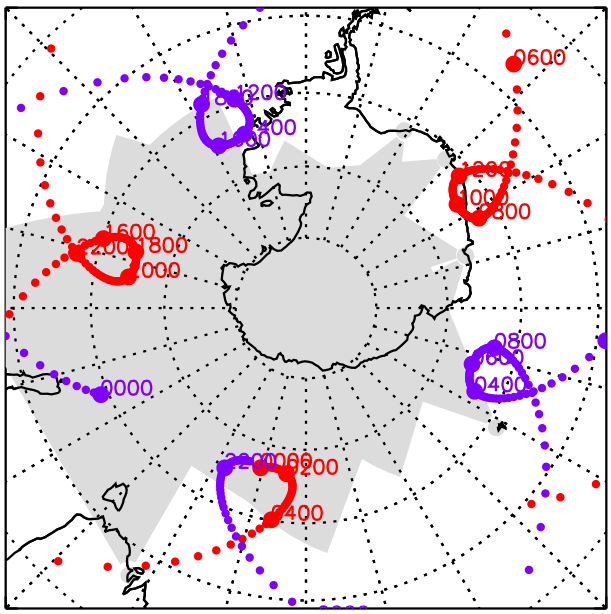


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

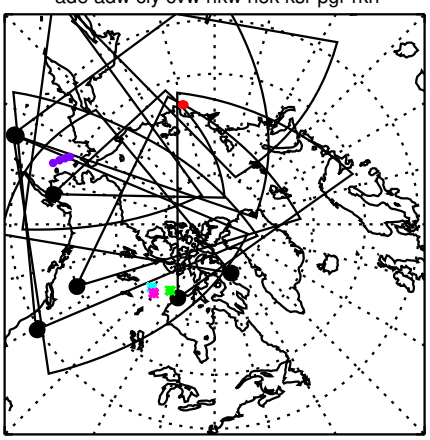
16–Mar–2016

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

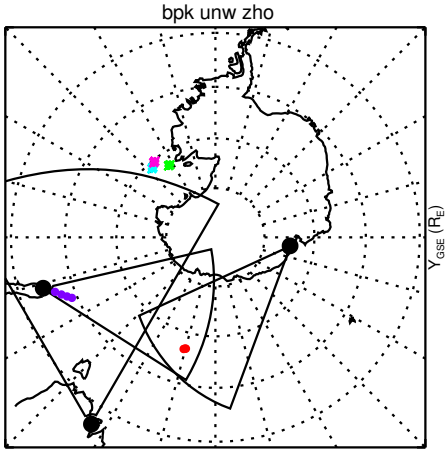


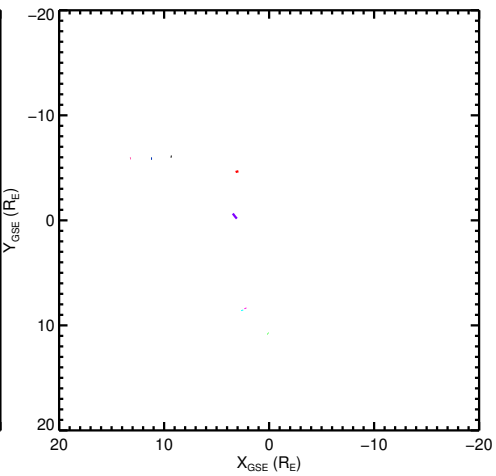


(a) 0000UT to 0015UT
ade adw cly cvw hkw hok ksr pgr rkn

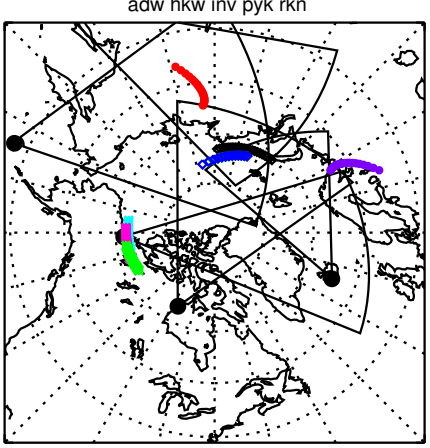


bpk unw zho

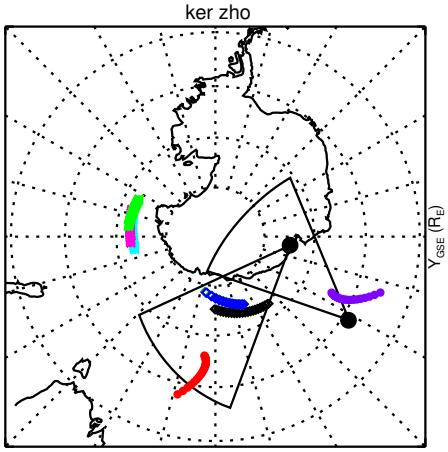


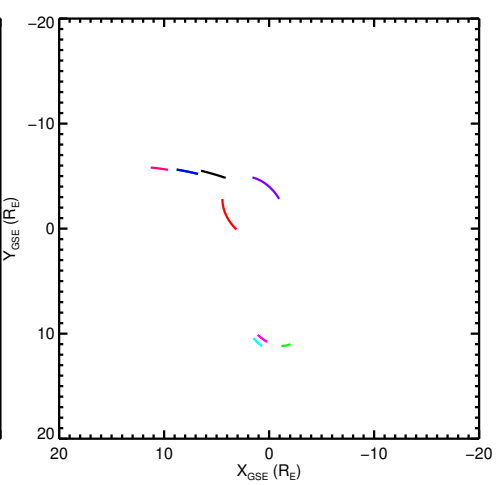


(b) 0225UT to 0415UT
adw hkw inv pyk rkn

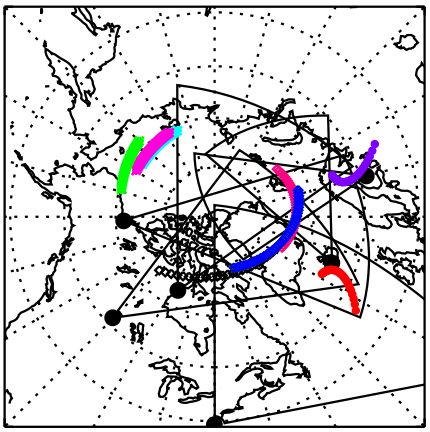


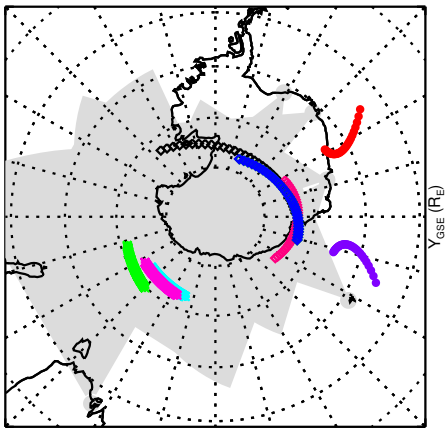
ker zho

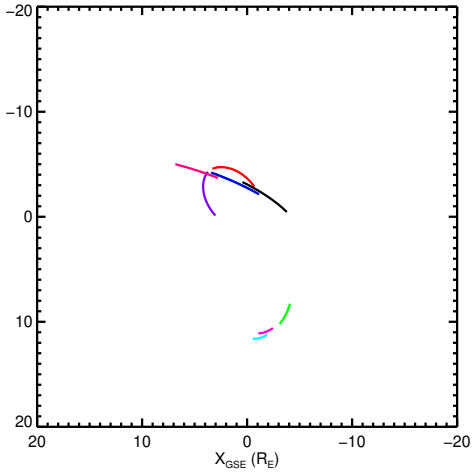




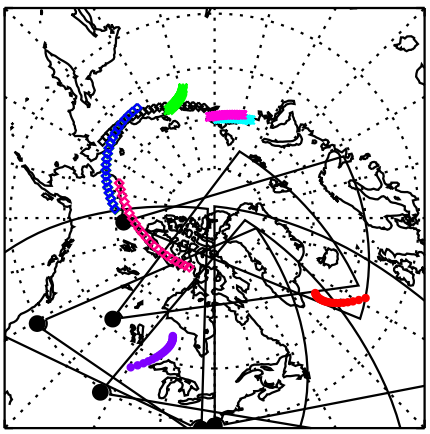
(c) 0625UT to 0920UT
han inv pyk rkn sas wal

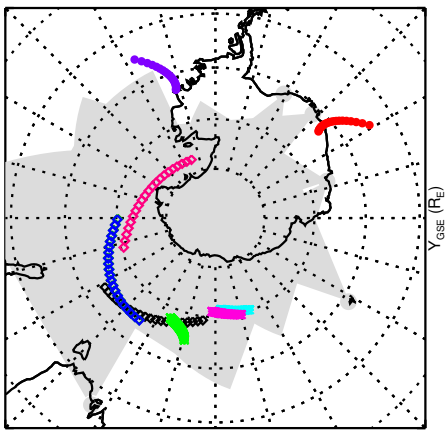


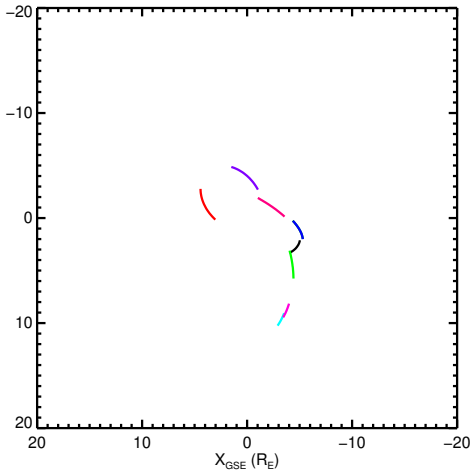




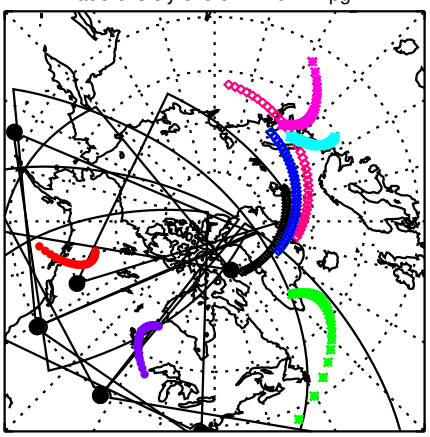
(d) 1125UT to 1315UT
bks cve fhe inv sas wal



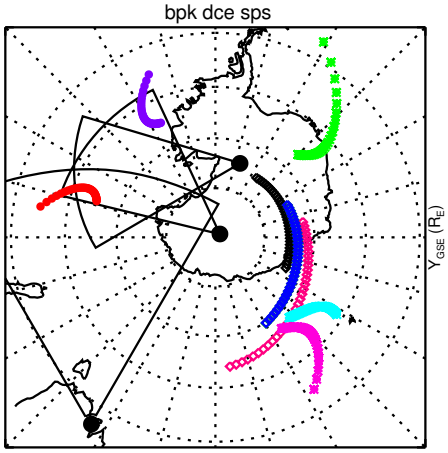


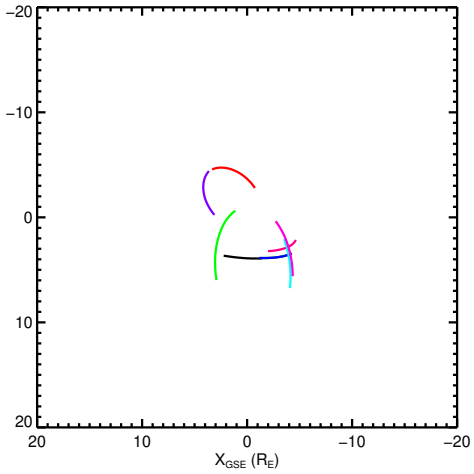


(e) 1520UT to 1820UT
ade bks cly cve cvw fhe fhw pgr

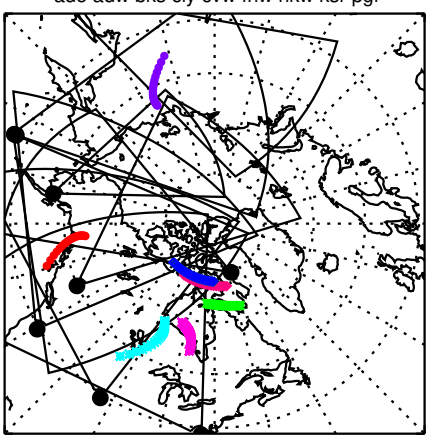


bpk dce sps

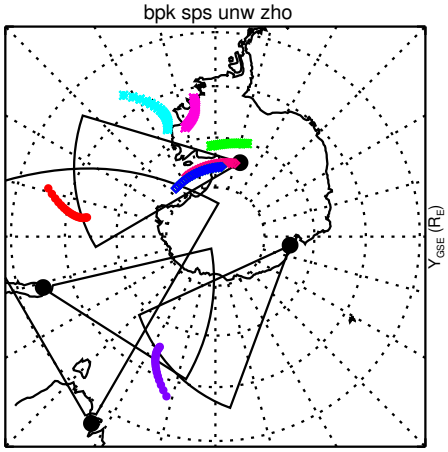


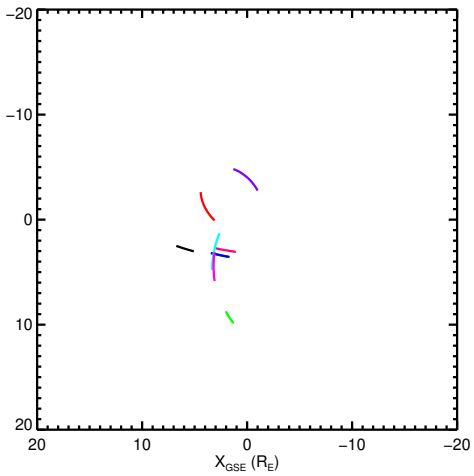


(f) 2030UT to 2210UT
ade adw bks cly cvw fhw hkw ksr pgr



bpk sps unw zho

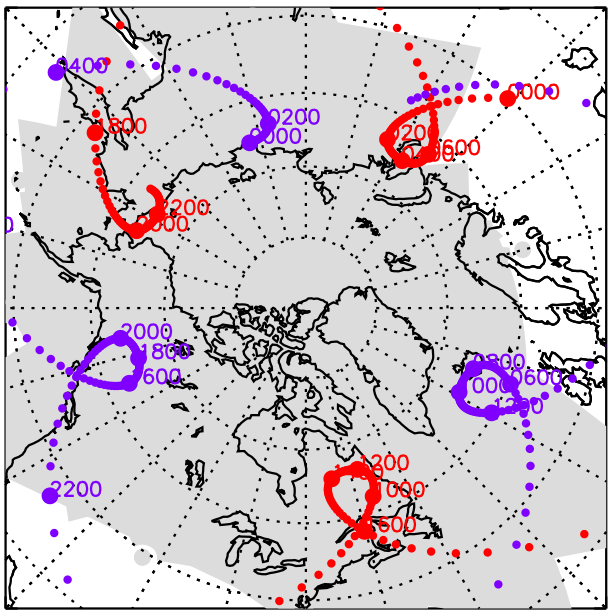


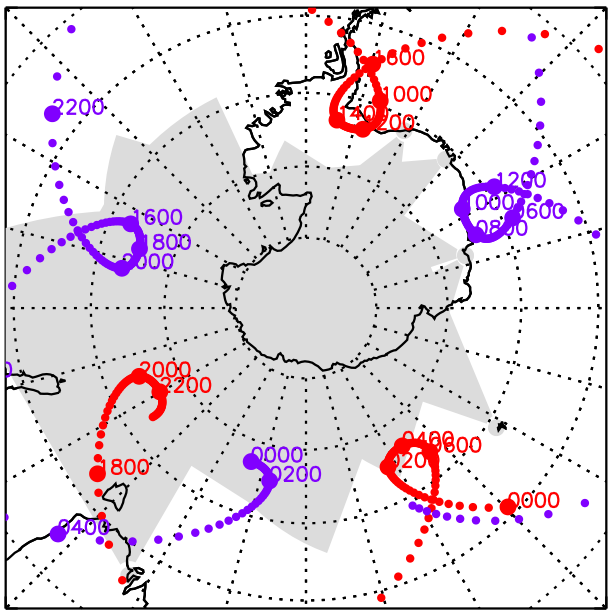


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

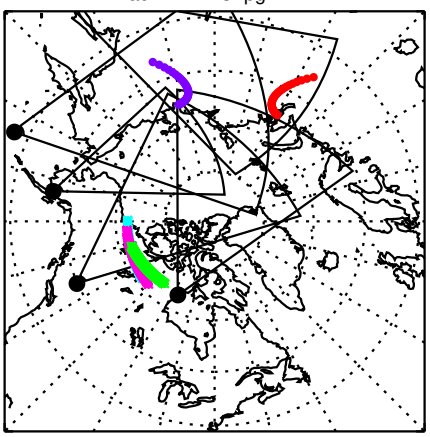
17–Mar–2016

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

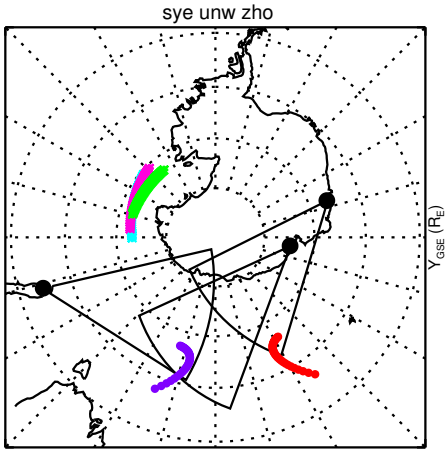


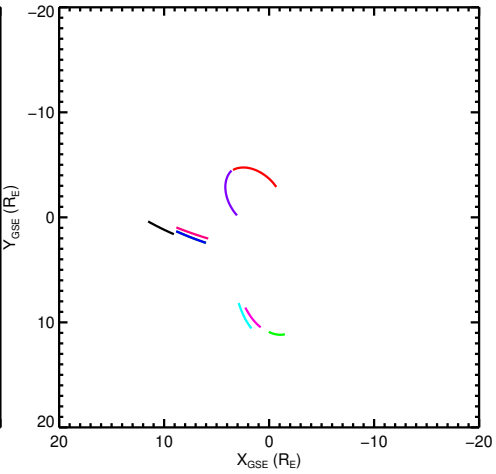


(a) 0020UT to 0325UT
adw hkw ksr pgr rkn

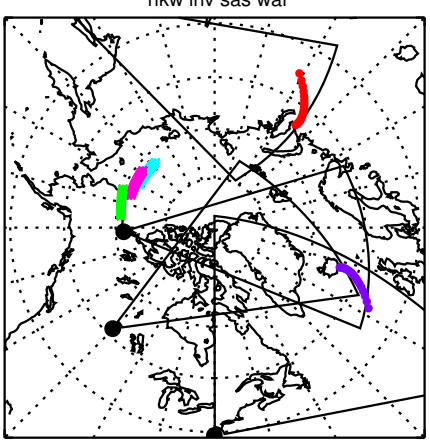


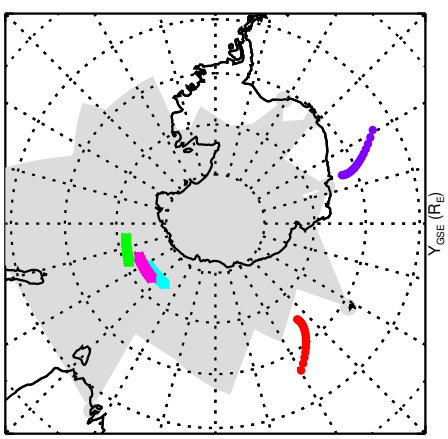
sye unw zho

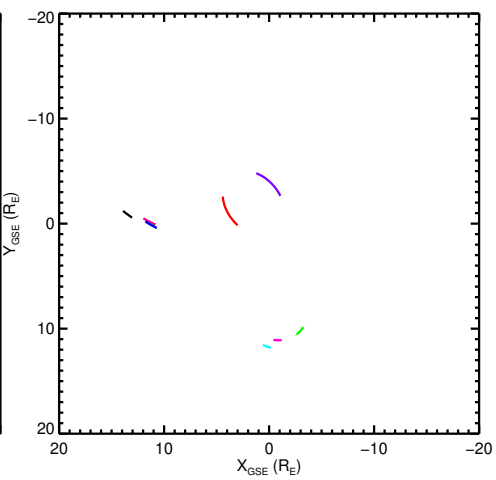




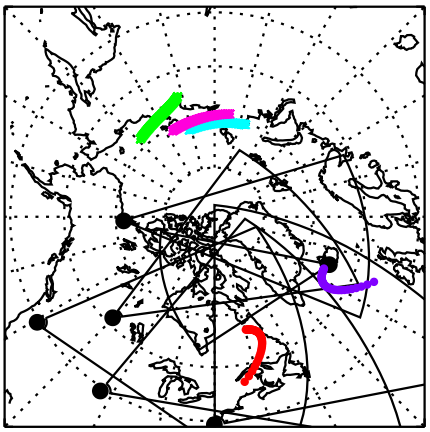
(b) 0530UT to 0710UT
hkw inv sas wal

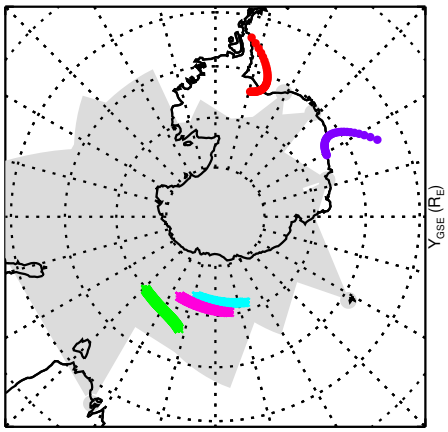


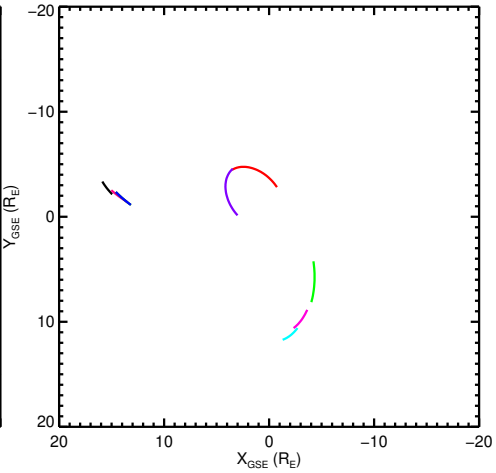




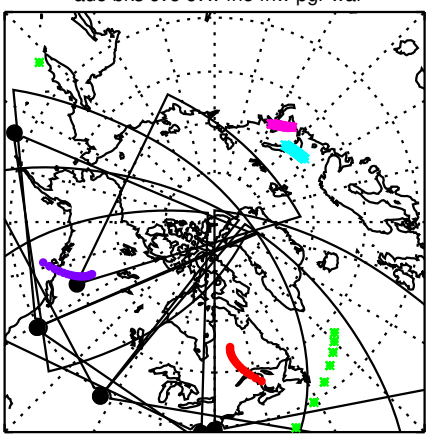
(c) 0915UT to 1230UT
cve fhe inv sas sto wal



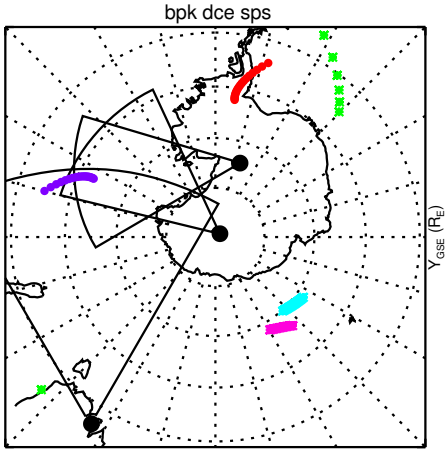


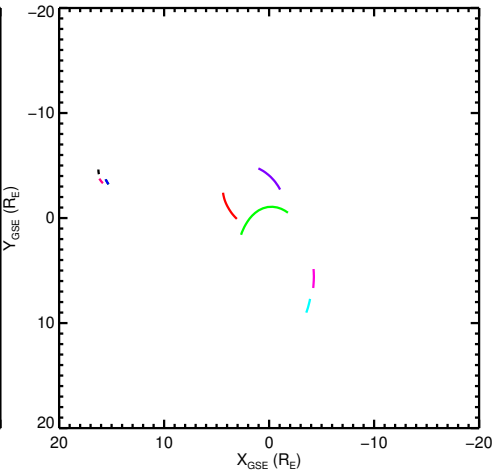


(d) 1435UT to 1605UT
ade bks cve cvw fhe fhw pgr wal

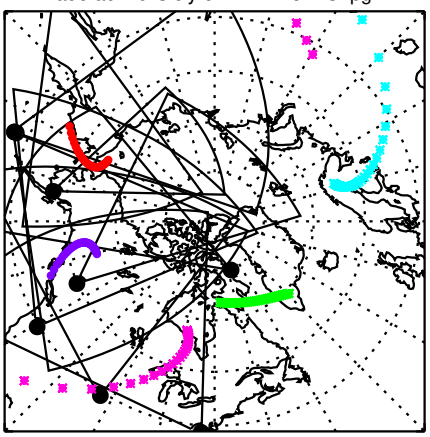


bpk dce sps

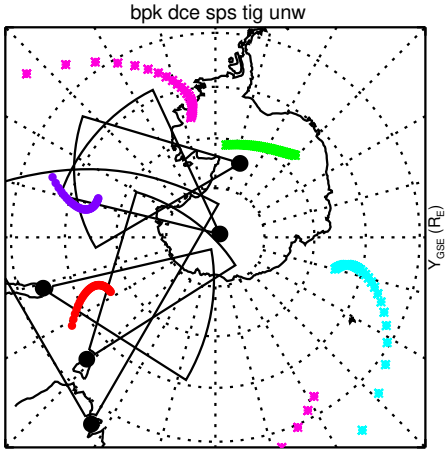


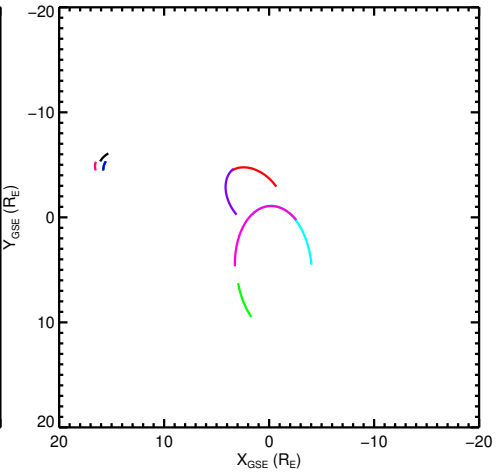


(e) 1815UT to 2130UT
ade adw bks cly cvw fhw hok ksr pgr

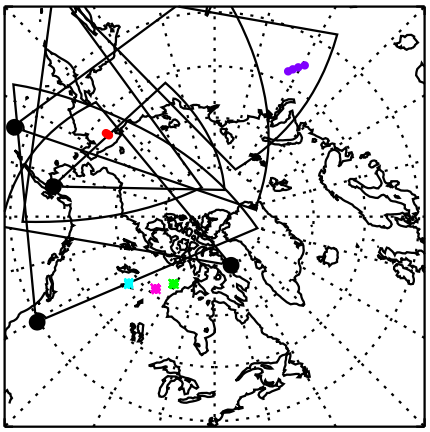


bpk dce sps tig unw

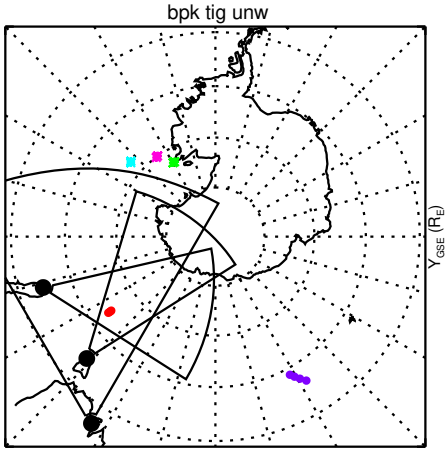


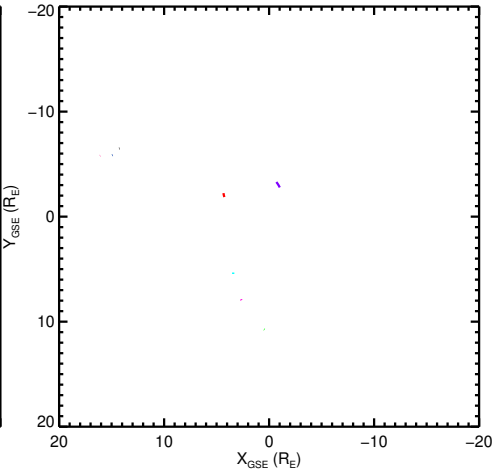


(f) 2340UT to 2355UT
adw cly cvw hkw hok ksr



bpk tig unw

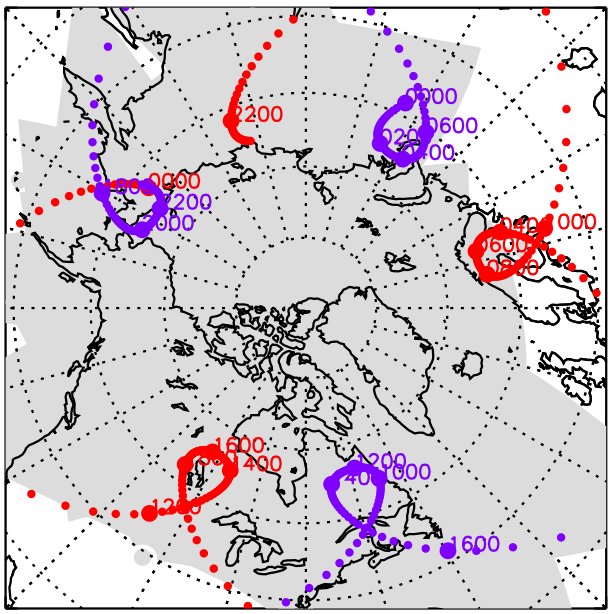


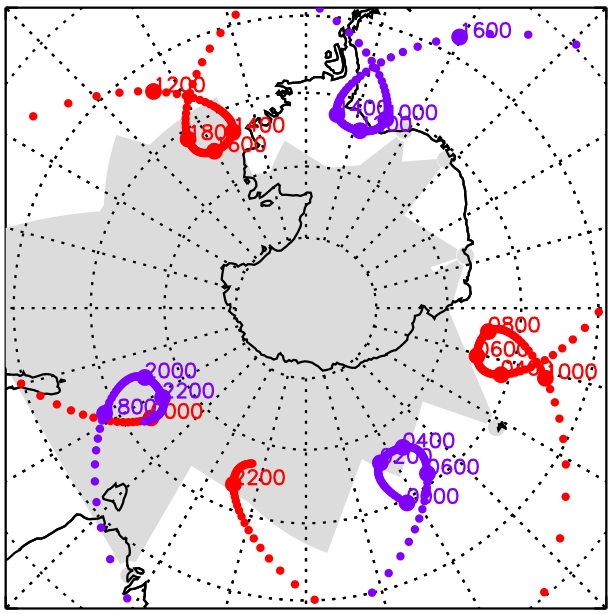


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

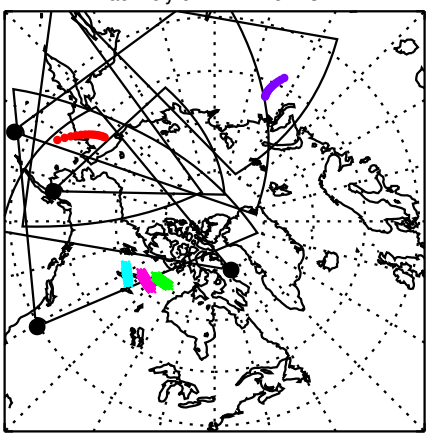
18–Mar–2016

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

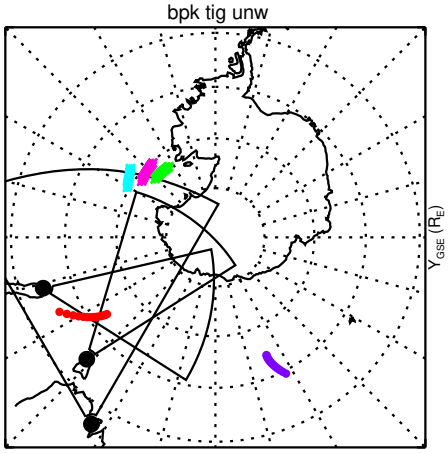


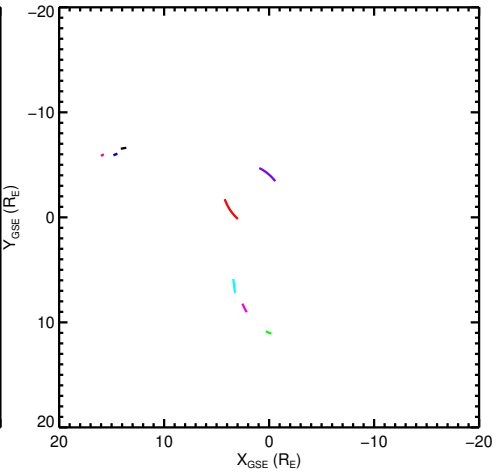


(a) 0000UT to 0105UT
adw cly cvw hkw hok ksr

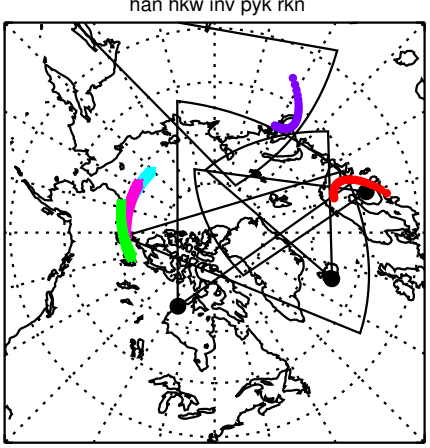


bpk tig unw

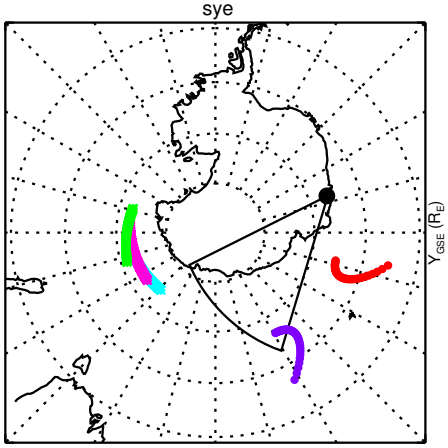


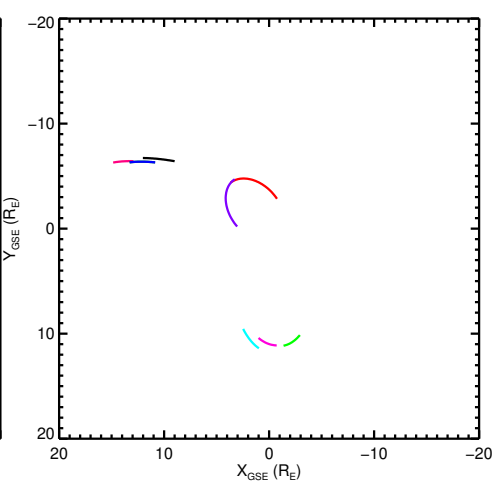


(b) 0310UT to 0635UT
han hkw inv pyk rkn

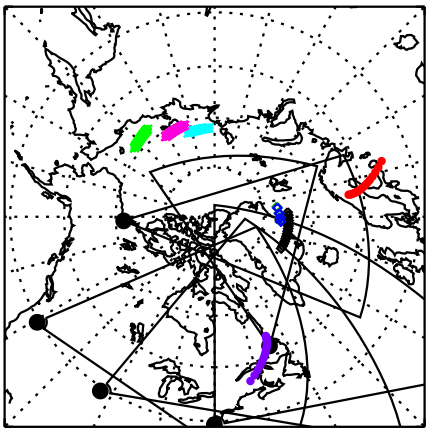


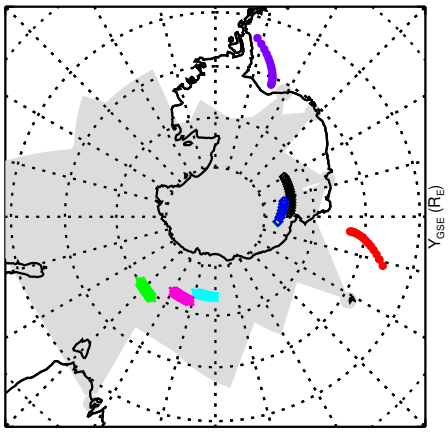
sye

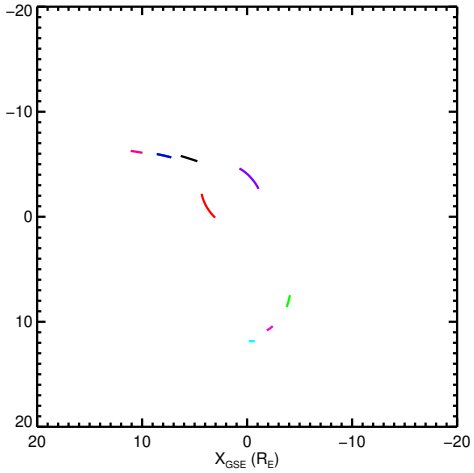




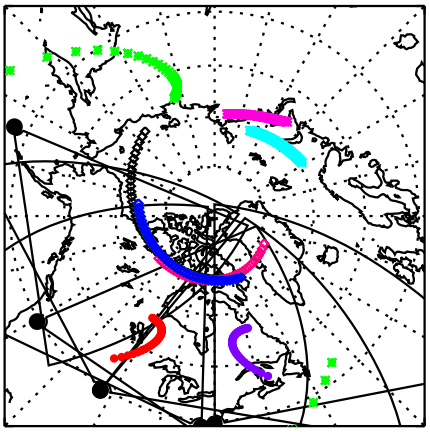
(c) 0840UT to 1000UT
cve fhe gbr inv wal



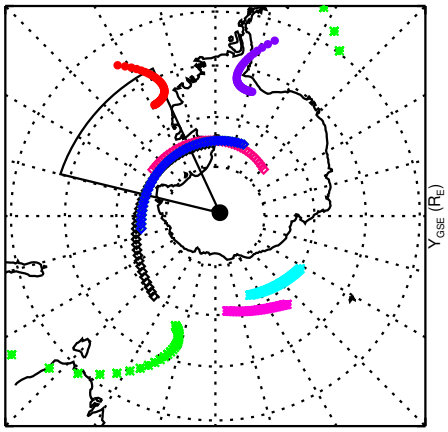


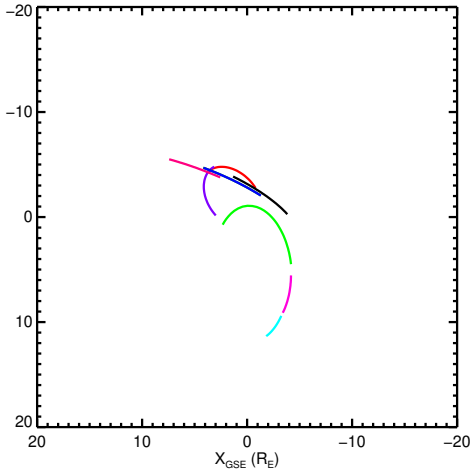


(d) 1205UT to 1540UT
ade bks cve fhe fhw wal

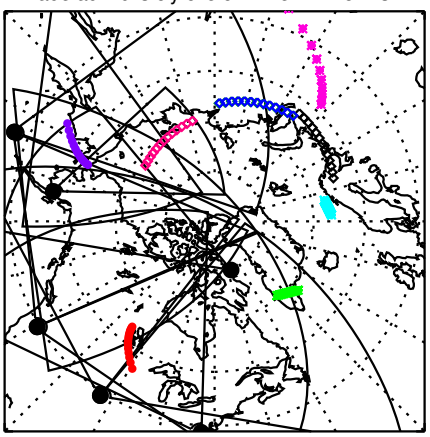


dce

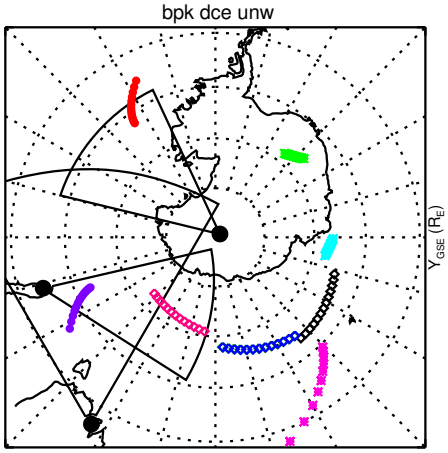


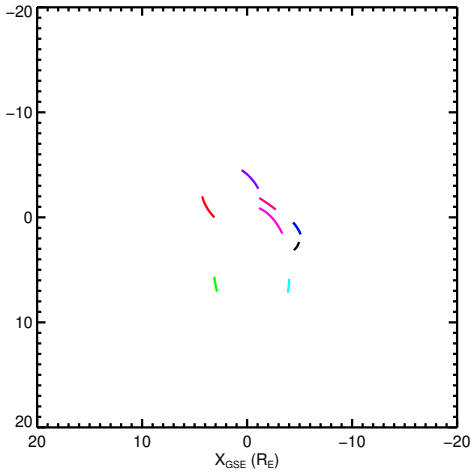


(e) 1745UT to 1855UT
ade adw bks cly cve cvw fhe fhw hok ksr

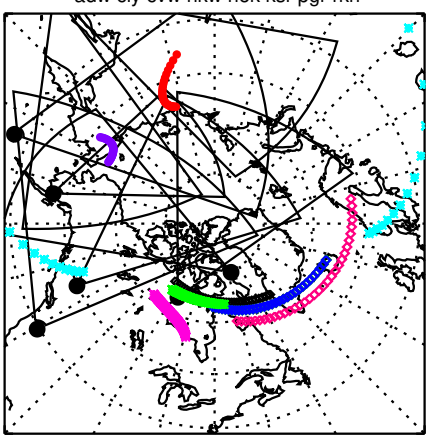


bpk dce unw

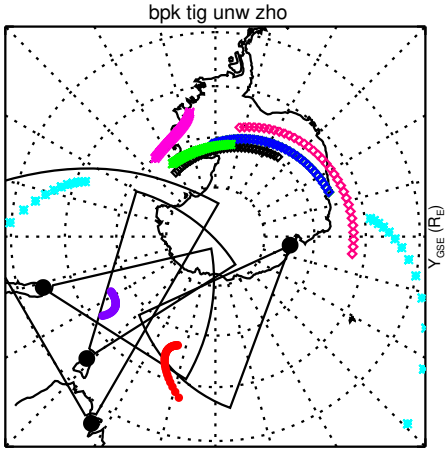


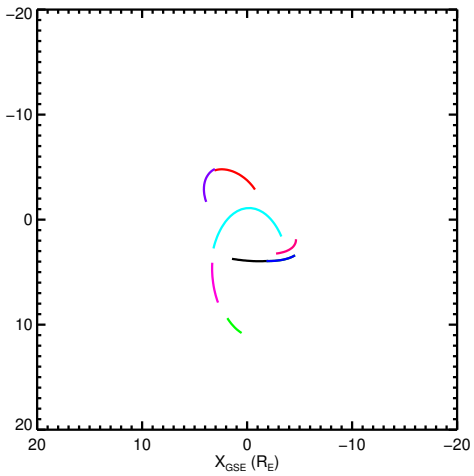


(f) 2105UT to 2355UT
adw cly cvw hkw hok ksr pgr rkn



bpk tig unw zho

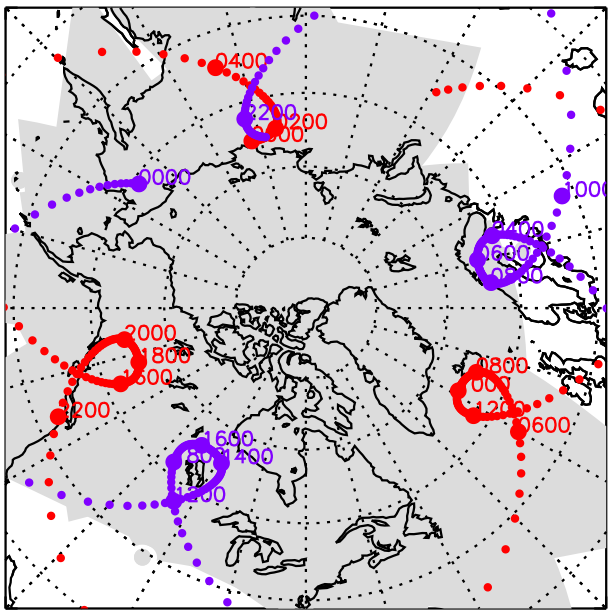


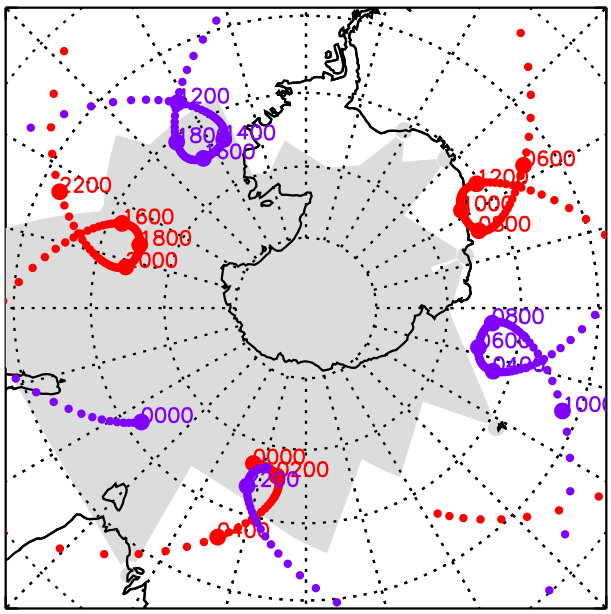


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

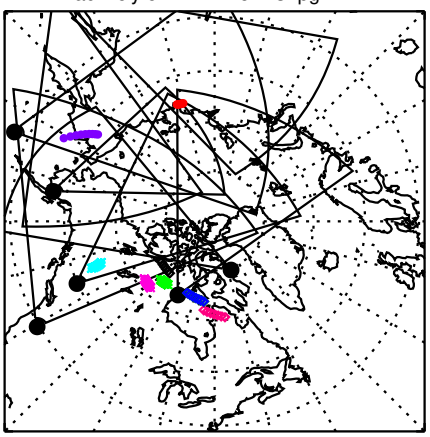
19–Mar–2016

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

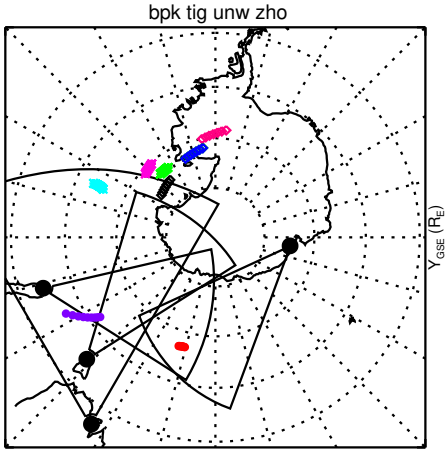


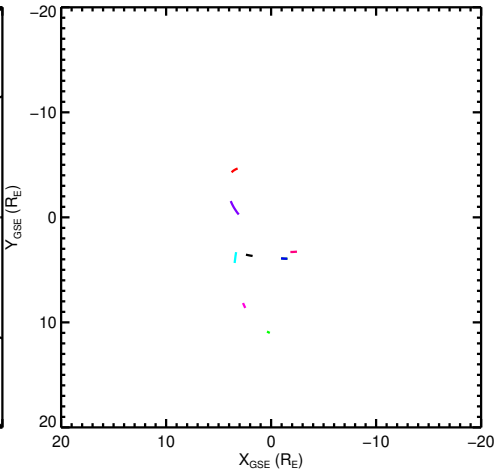


(a) 0000UT to 0040UT
adw cly cvw hkw hok ksr pgr rkn

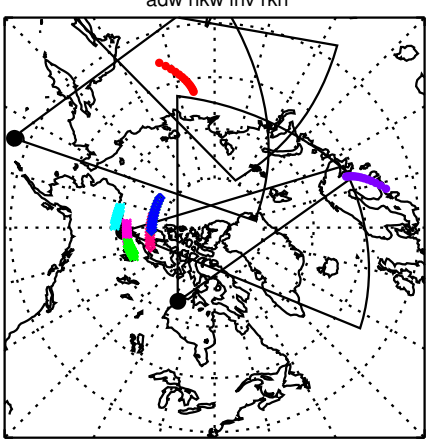


bpk tig unw zho

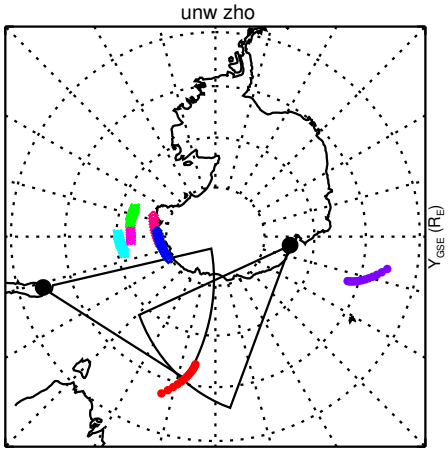


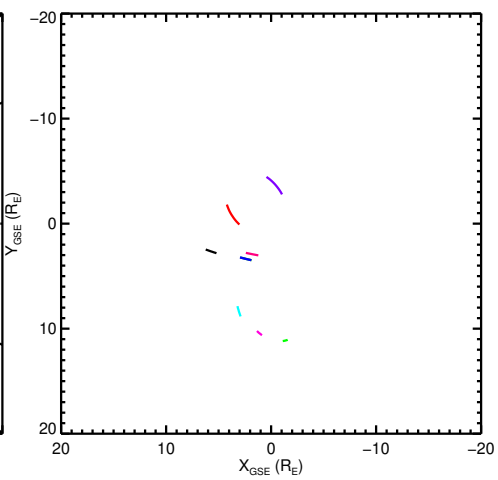


(b) 0250UT to 0355UT
adw hkw inv rkn

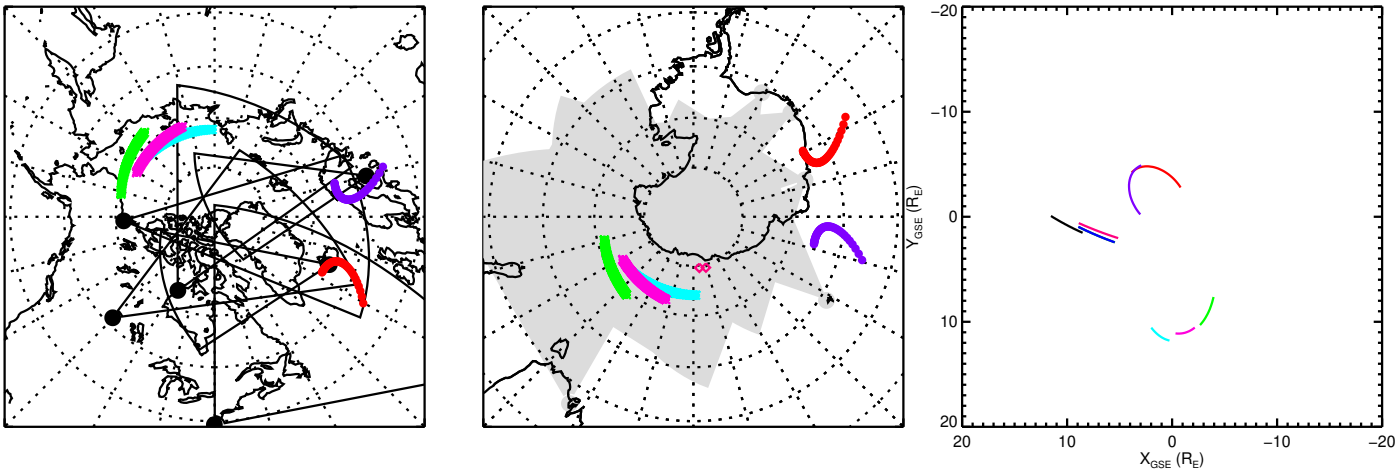


unw zho



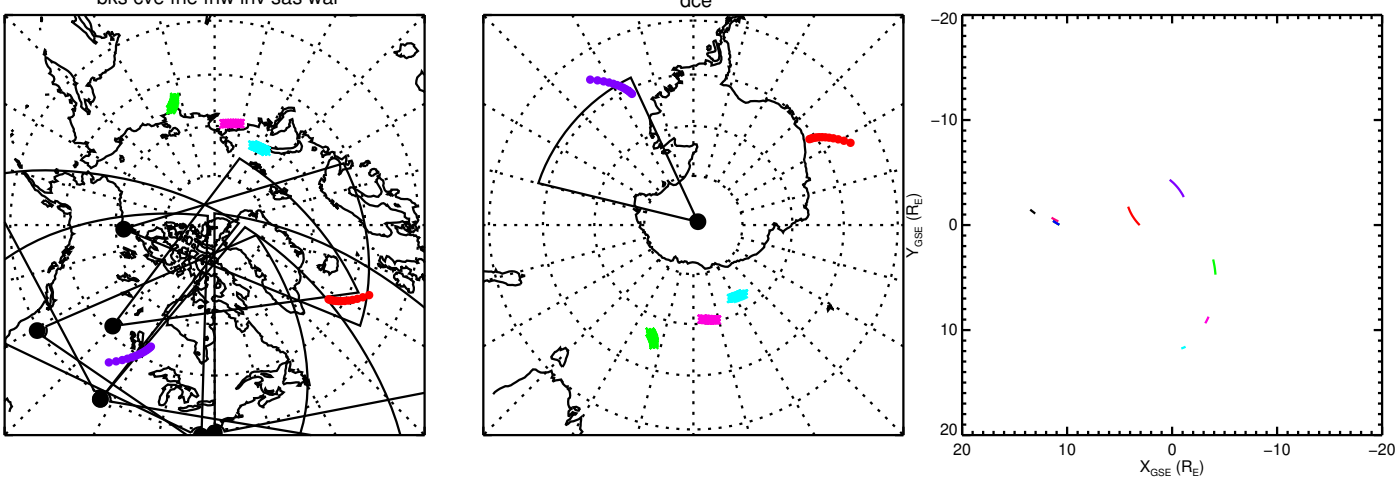


(c) 0600UT to 0945UT
han inv rkn sas sto wal



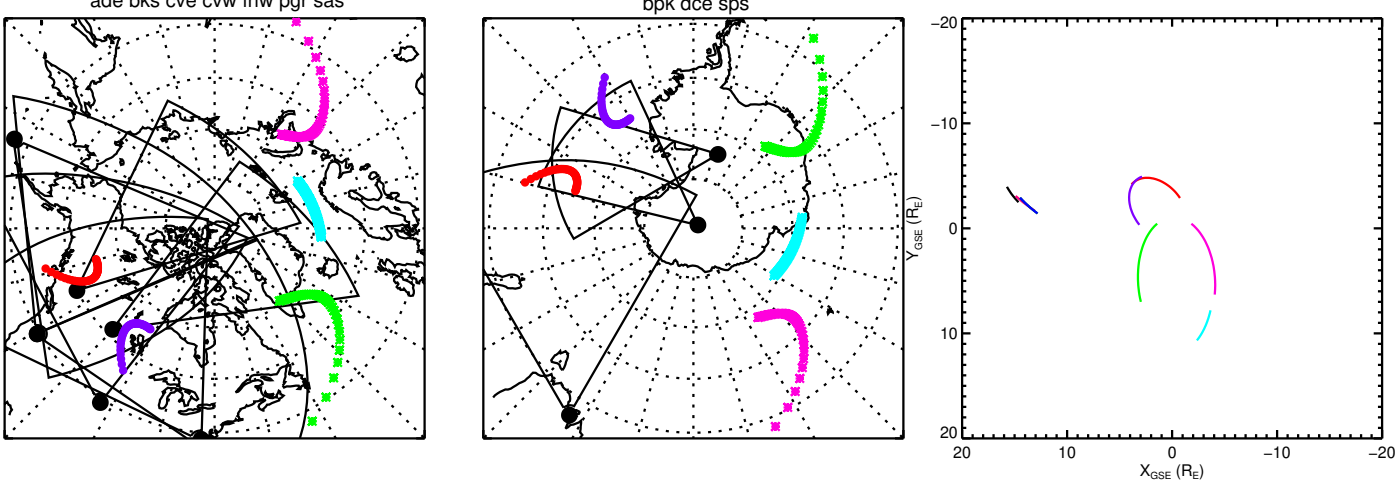
(d) 1150UT to 1250UT
bks cve fhe fhw inv sas wal

dce



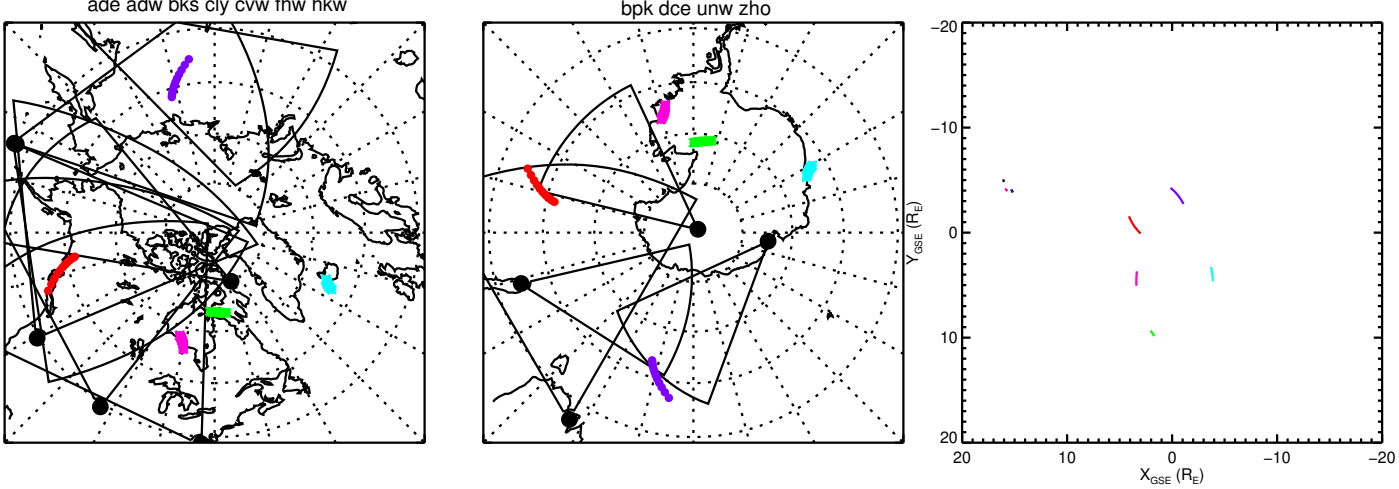
(e) 1500UT to 1845UT
ade bks cve cvw fhw pgr sas

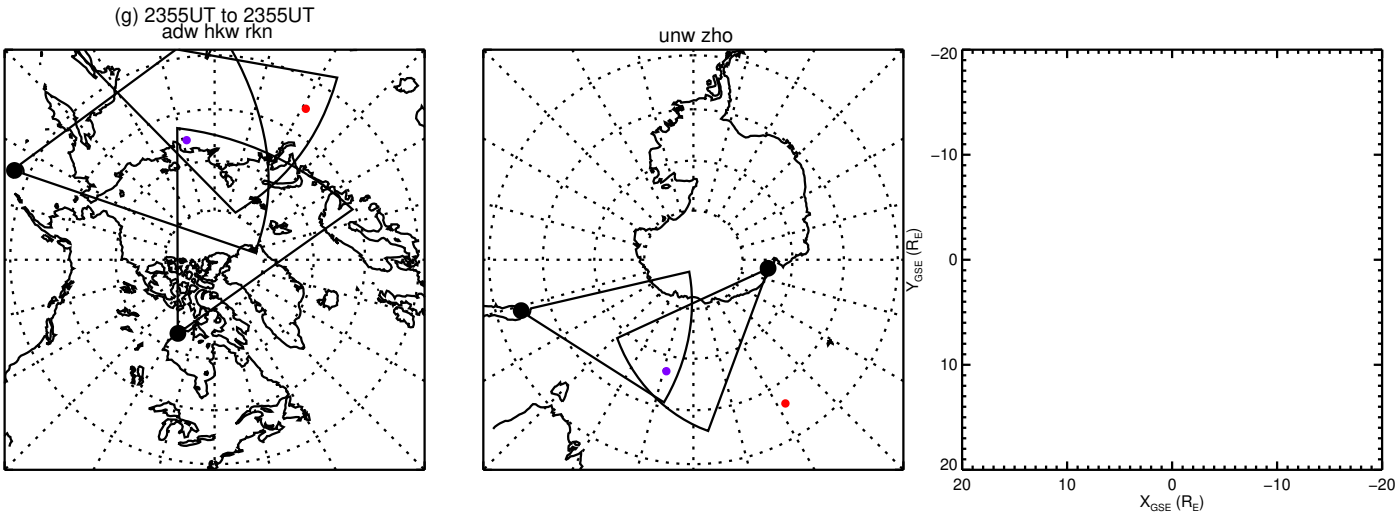
bpk dce sps



(f) 2055UT to 2150UT
ade adw bks cly cvw fhw hkw

bpk dce unw zho

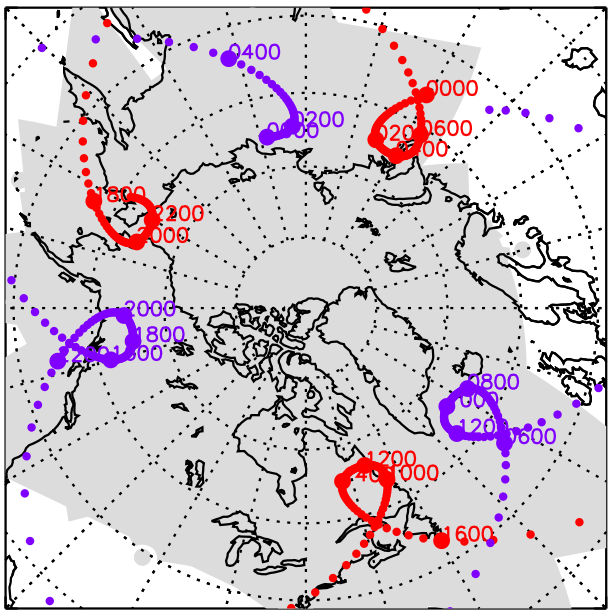


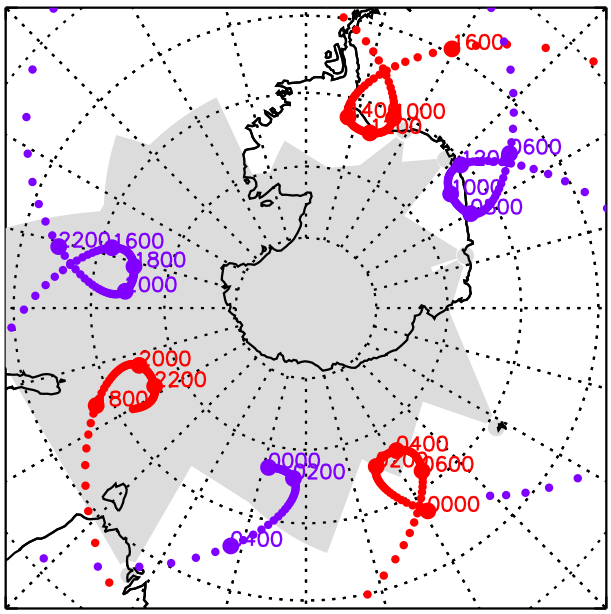

(g) 2355UT to 2355UT
adw hkw rkn
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

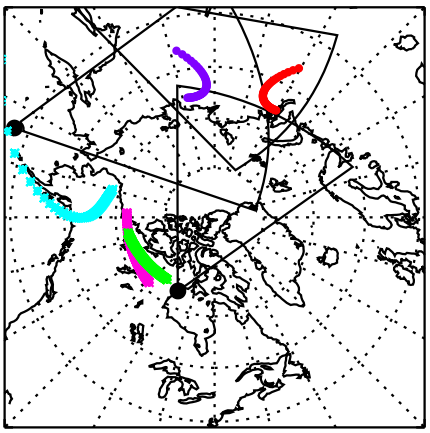
20–Mar–2016

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

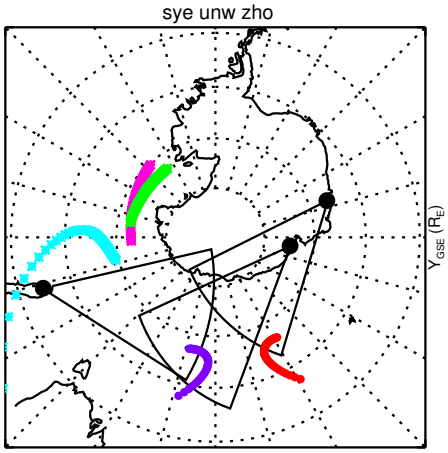


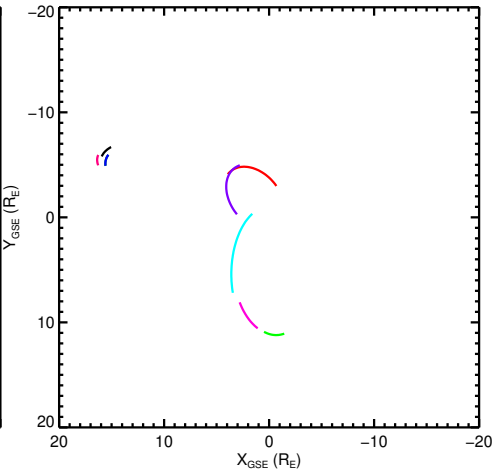


(a) 0000UT to 0350UT
adw hkw rkn

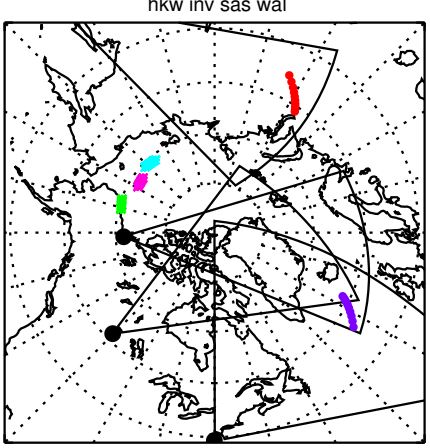


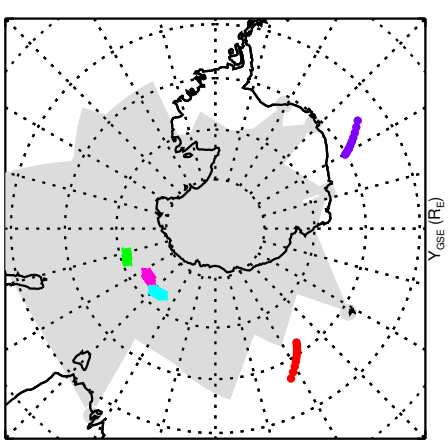
sye unw zho

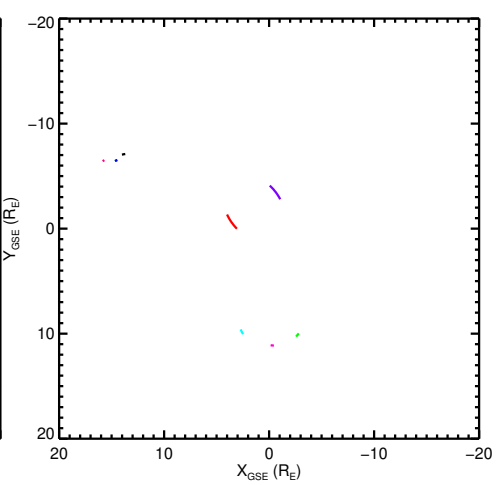




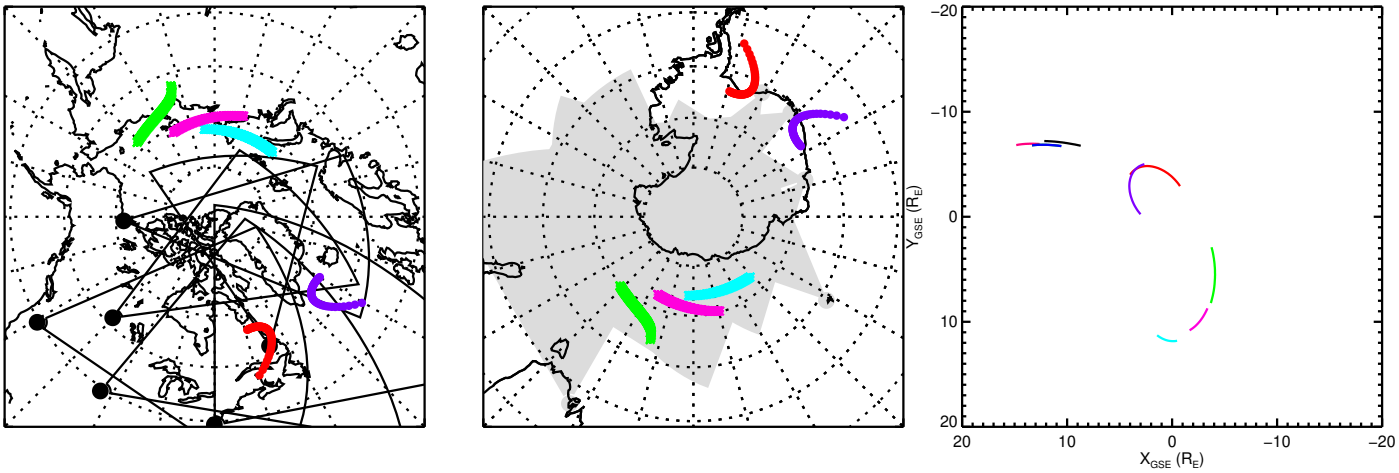
(b) 0600UT to 0645UT
hkw inv sas wal





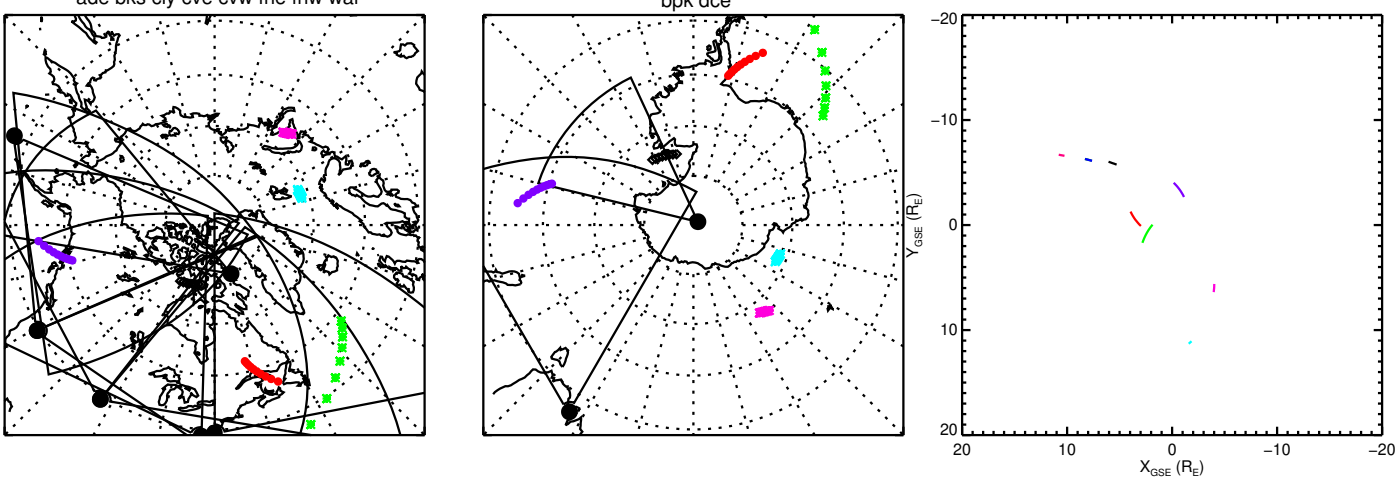


(c) 0855UT to 1255UT
cve fhe gbr inv sas wal



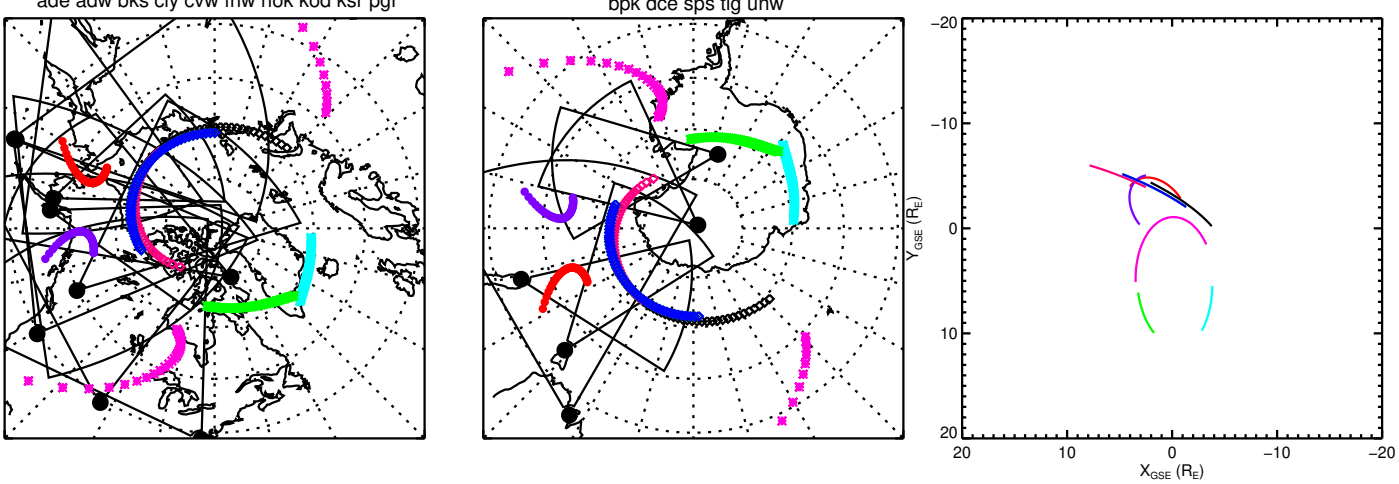
(d) 1500UT to 1545UT
ade bks cly cve cvw fhe fhw wal

bpk dce



(e) 1750UT to 2155UT
ade adw bks cly cvw fhw hok kod ksr pgr

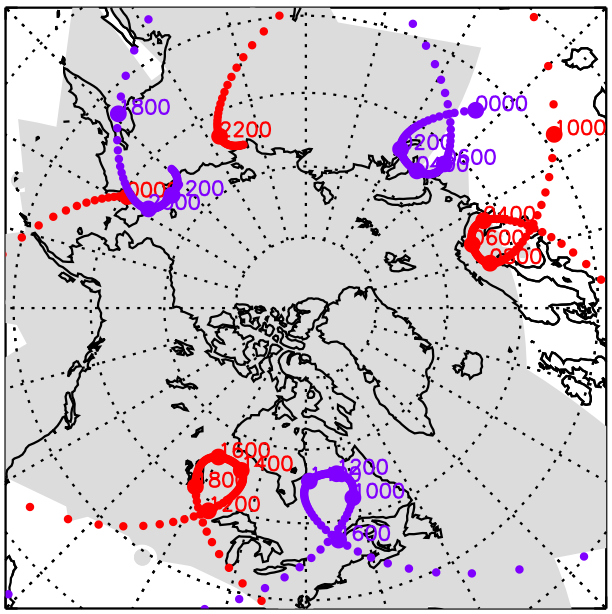
bpk dce sps tig unw

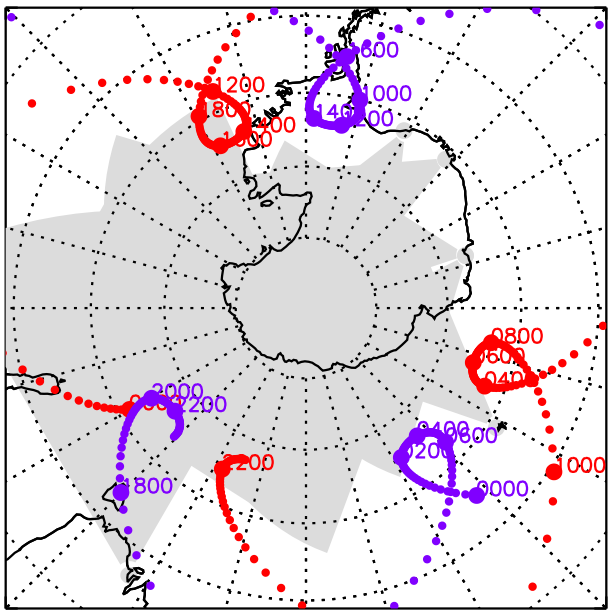


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

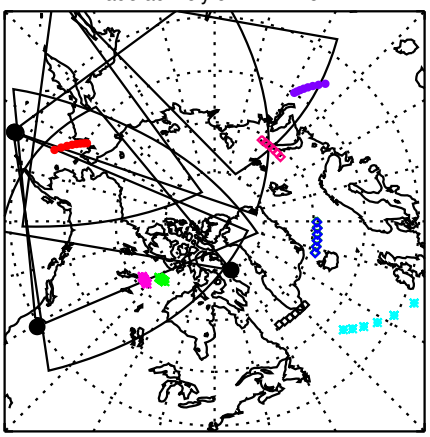
21−Mar−2016

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

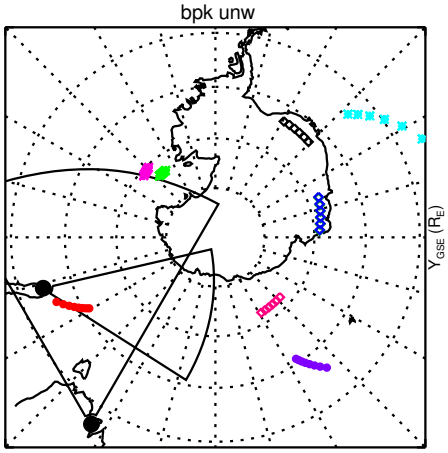


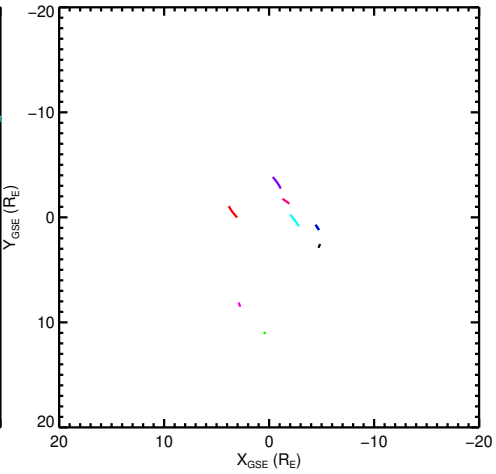


(a) 0005UT to 0040UT
ade adw cly cvw hkw hok

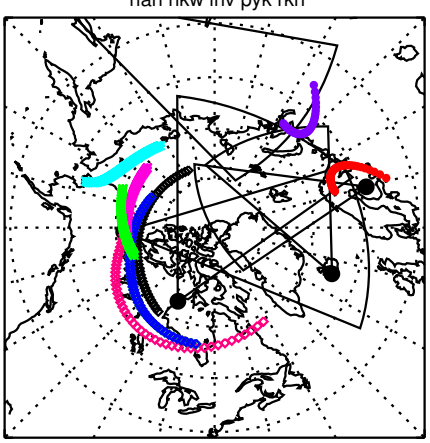


bpk unw

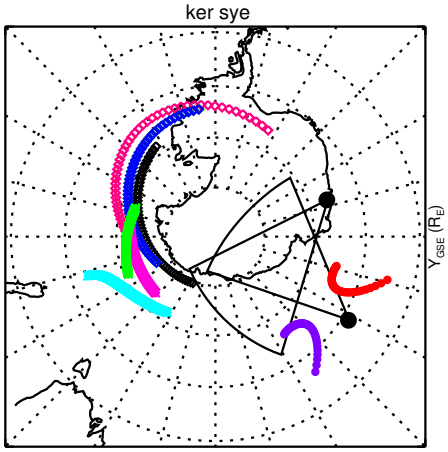


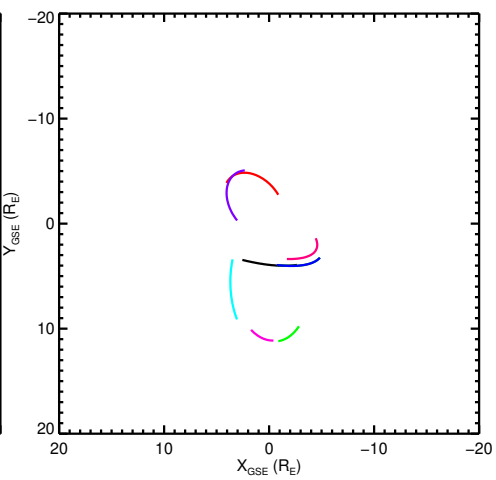


(b) 0245UT to 0700UT
han hkw inv pyk rkn

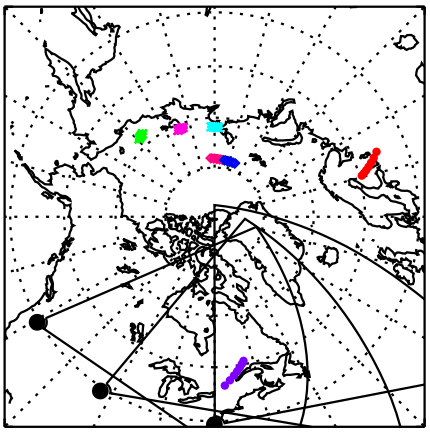


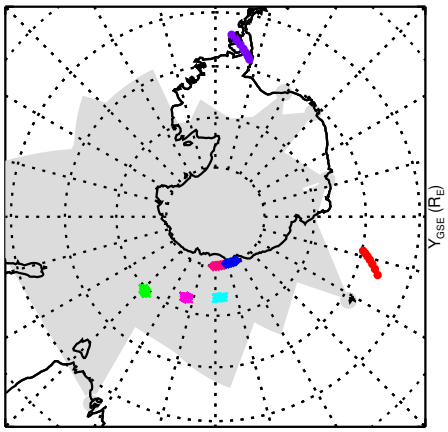
ker sye

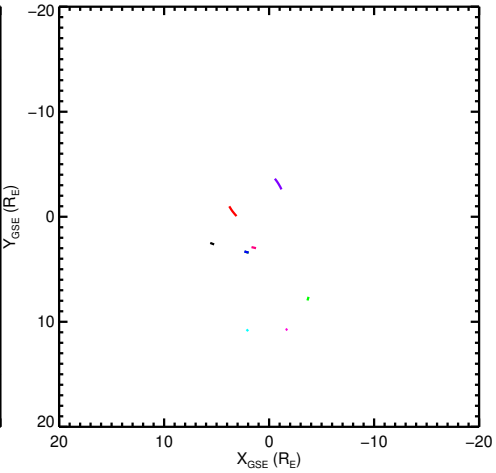




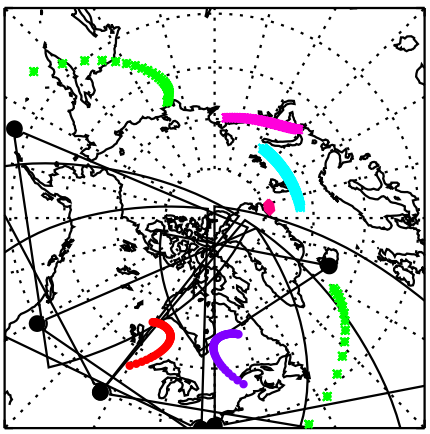
(c) 0905UT to 0935UT
cve fhe wal



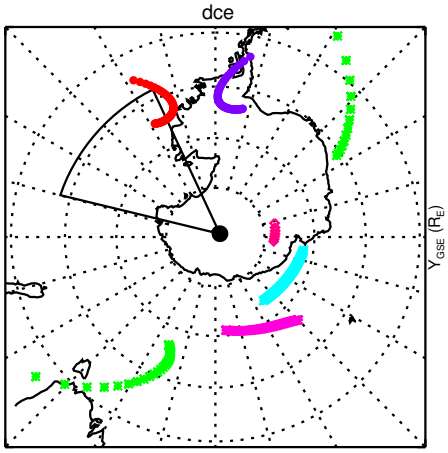


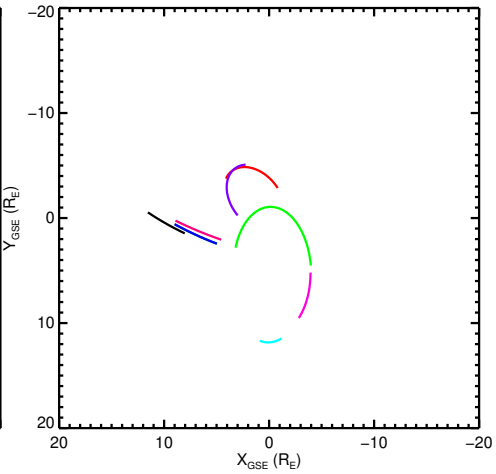


(d) 1145UT to 1605UT
ade bks cve fhe fhw sto wal

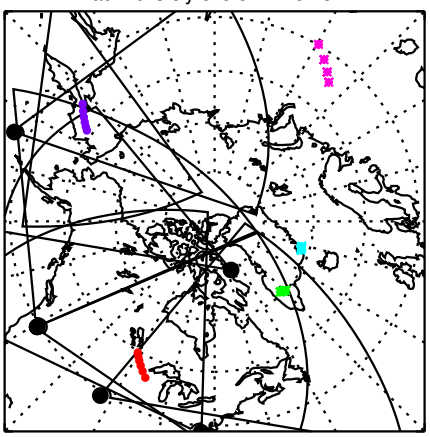


dce

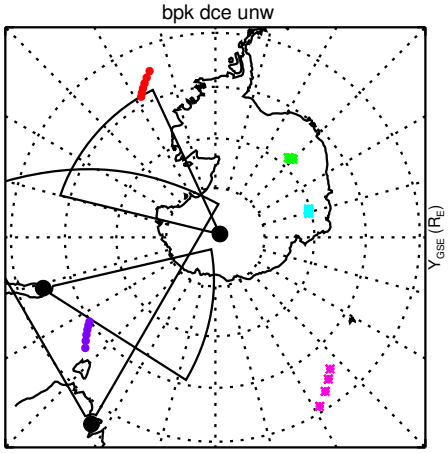


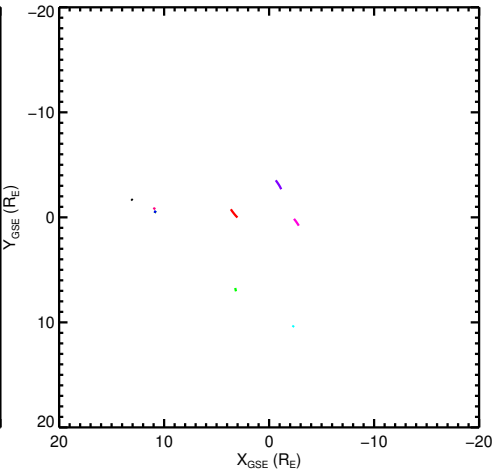


(e) 1810UT to 1835UT
adw bks cly cve cvw fhe hok

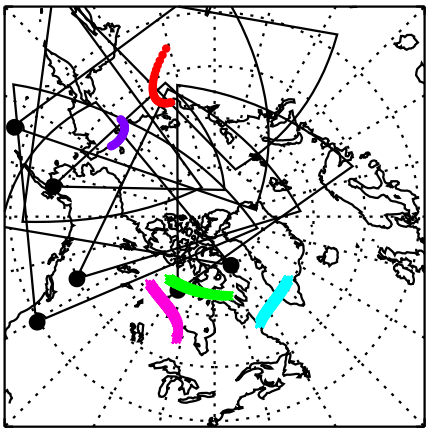


bpk dce unw

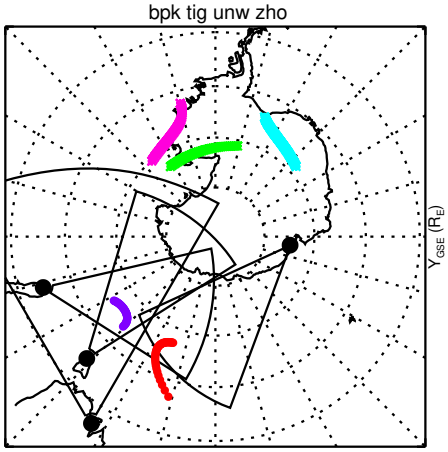


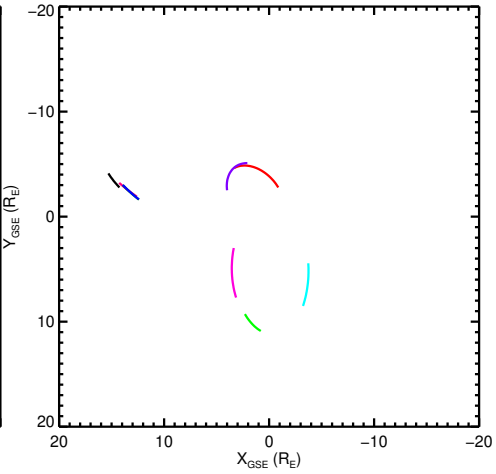


(f) 2040UT to 2355UT
adw cly cvw hkw hok ksr pgr rkn



bpk tig unw zho

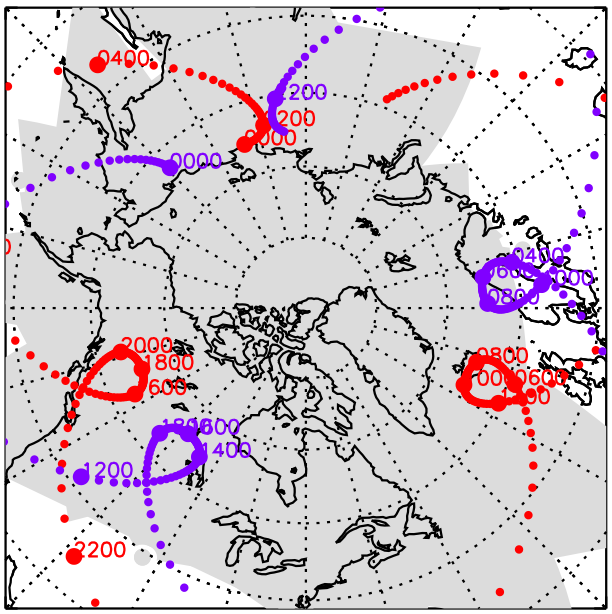


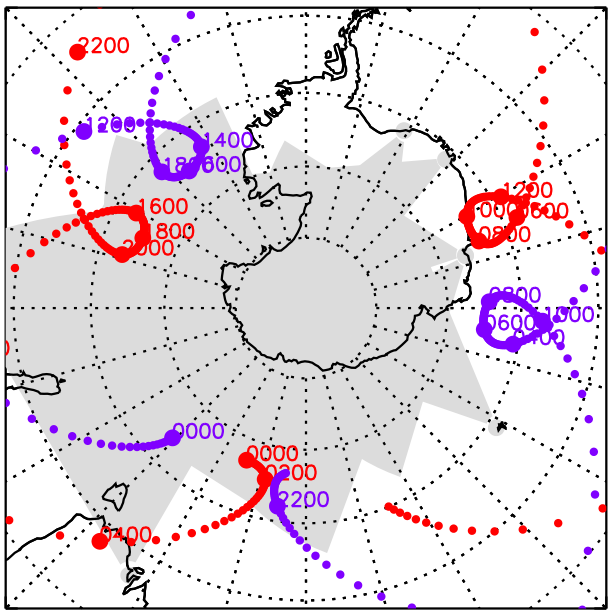


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

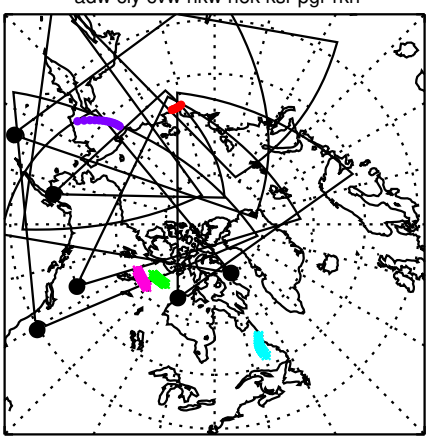
22–Mar–2016

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

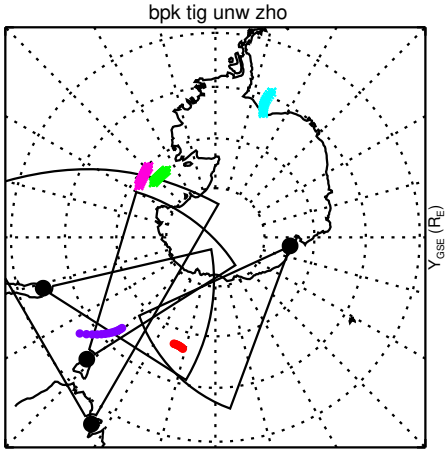


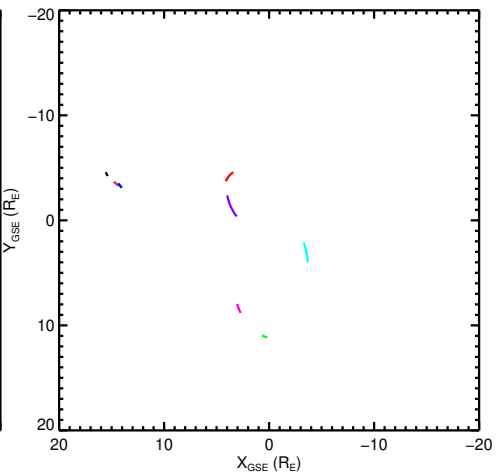


(a) 0000UT to 0105UT
adw cly cvw hkw hok ksr pgr rkn

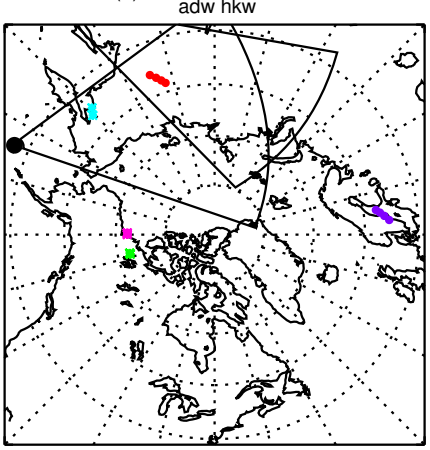


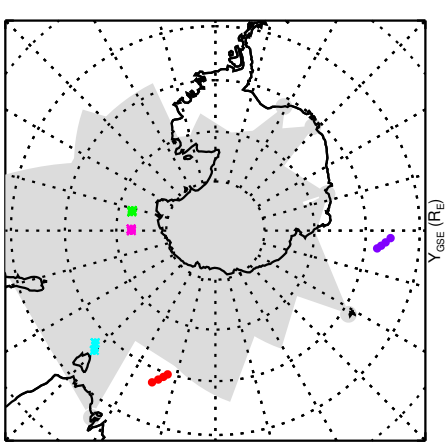
bpk tig unw zho

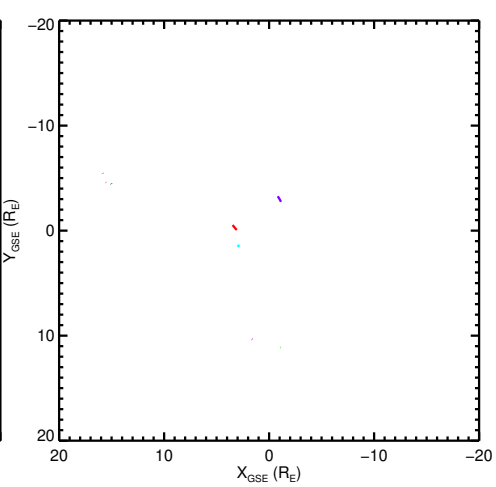




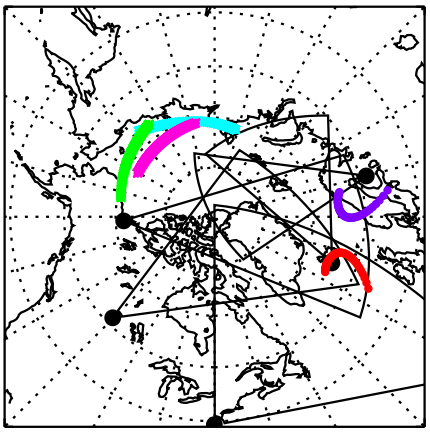
(b) 0315UT to 0330UT
adw hkw

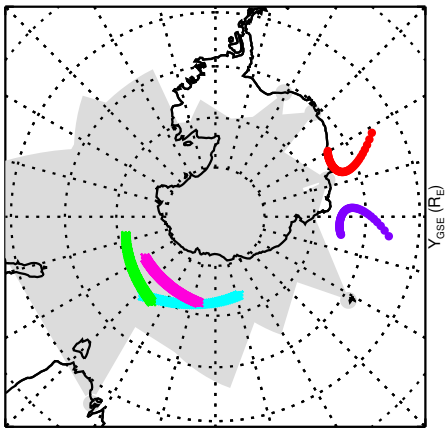


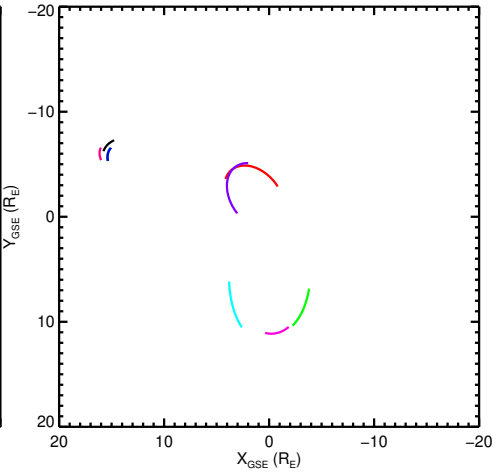




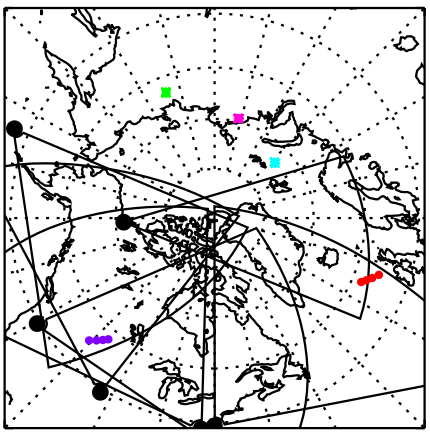
(c) 0540UT to 1010UT
han inv pyk sas wal

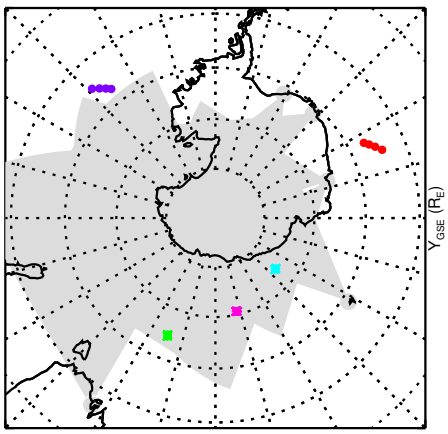


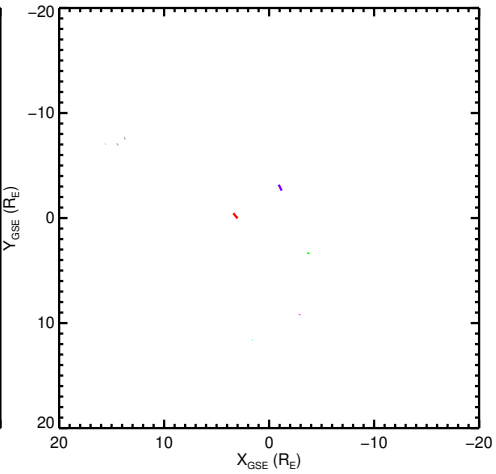




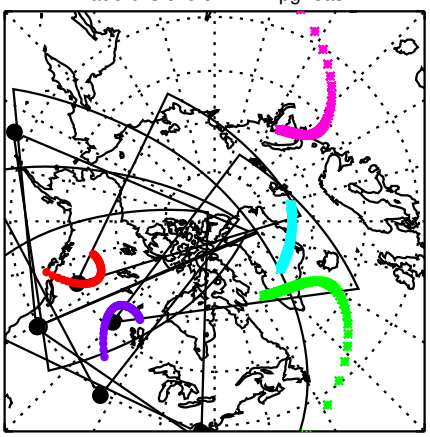
(d) 1215UT to 1230UT
ade bks cve fhw inv wal



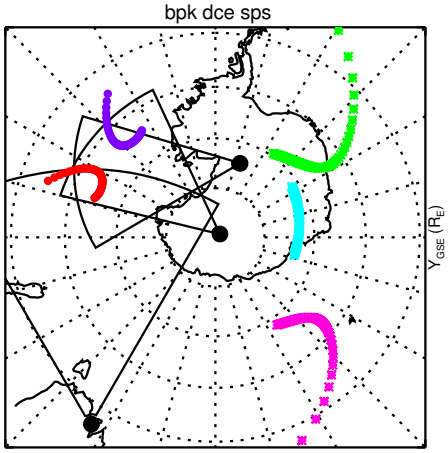


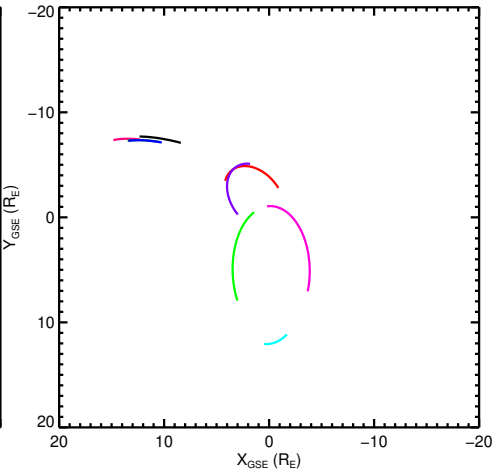


(e) 1435UT to 1915UT
ade bks cve cvw fhw pgr sas

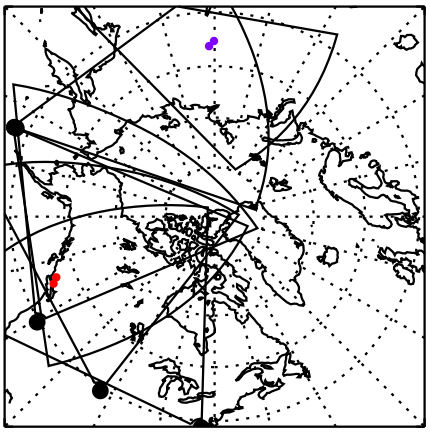


bpk dce sps

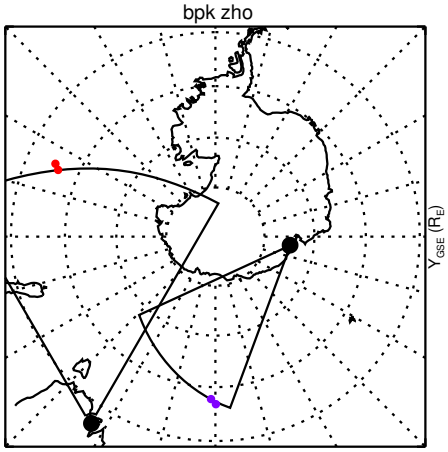


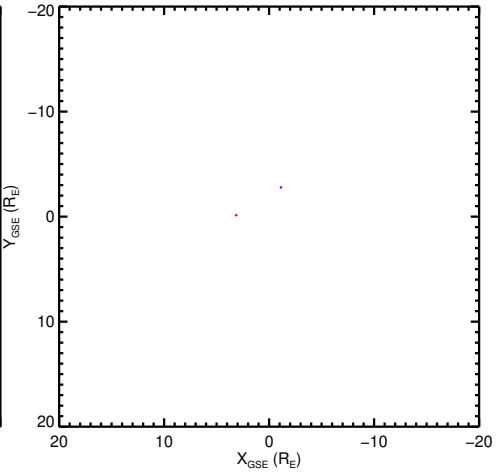


(f) 2120UT to 2125UT
ade adw bks cvw fhw hkw

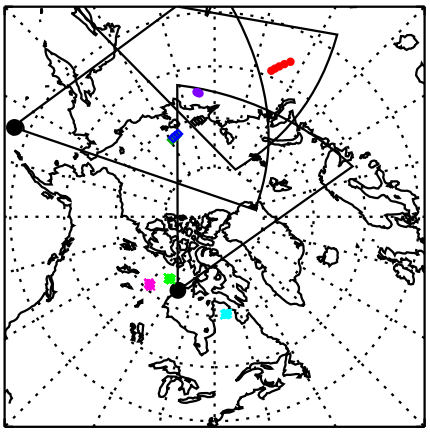


bpk zho

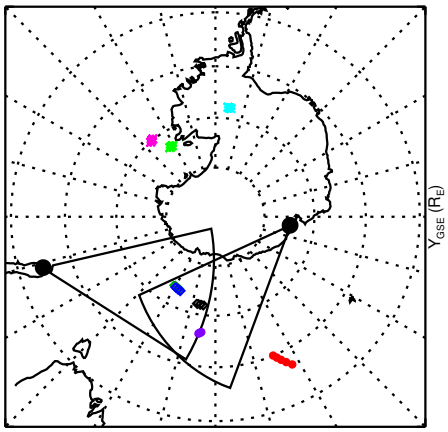


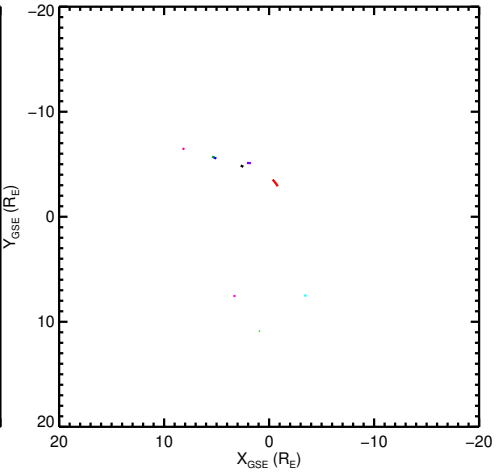


(g) 2335UT to 2355UT
adw hkw rkn



unw zho

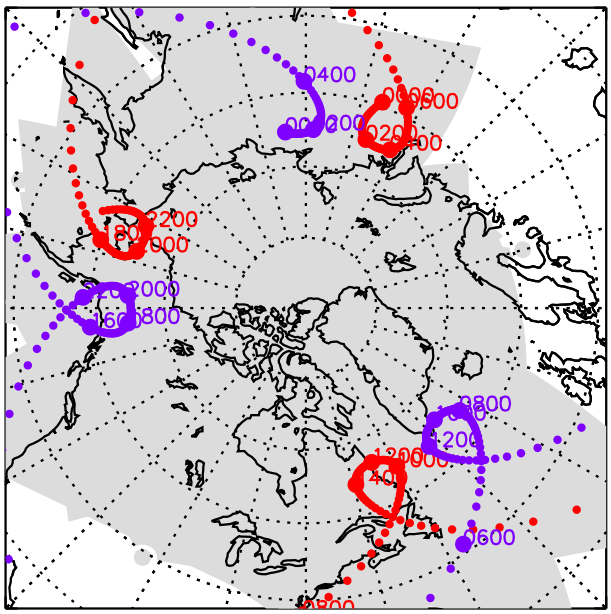


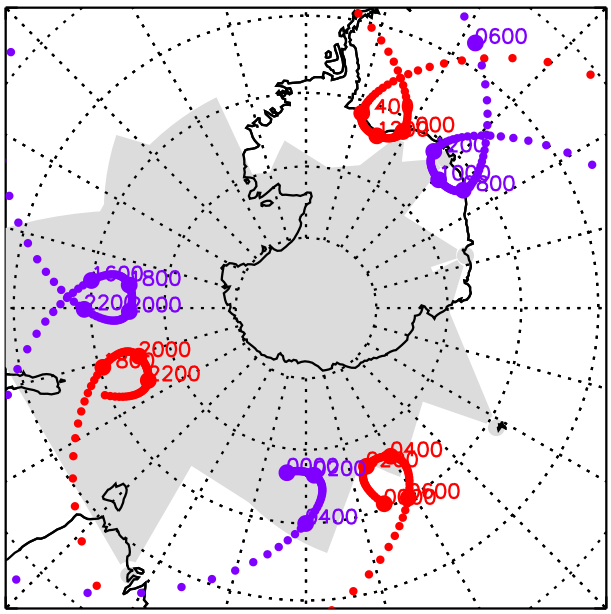


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

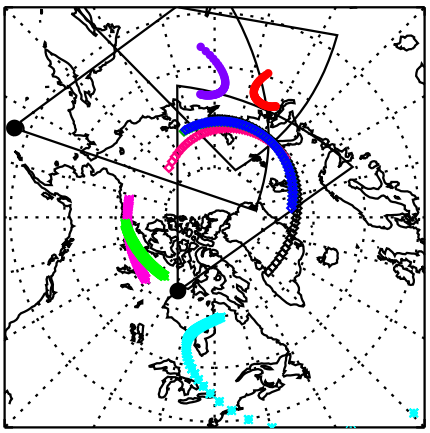
23–Mar–2016

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

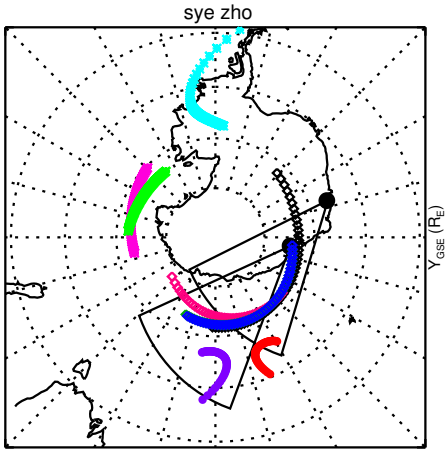


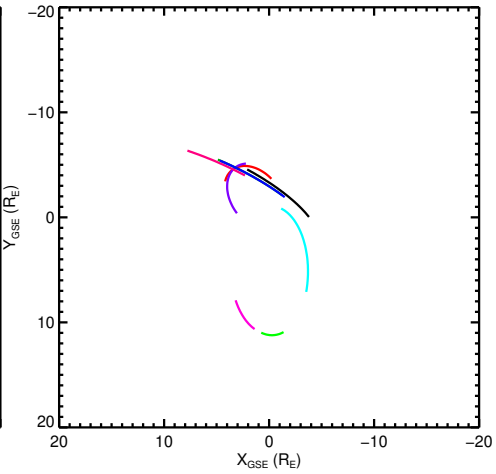


(a) 0000UT to 0415UT
adw hkw rkn

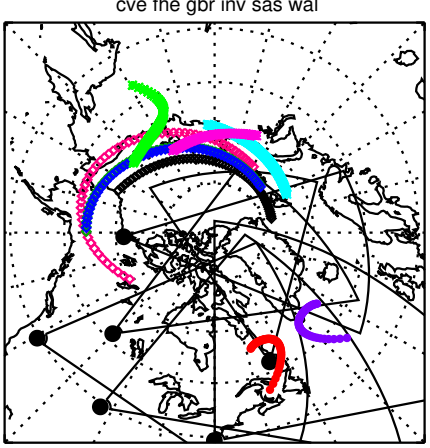


sye zho

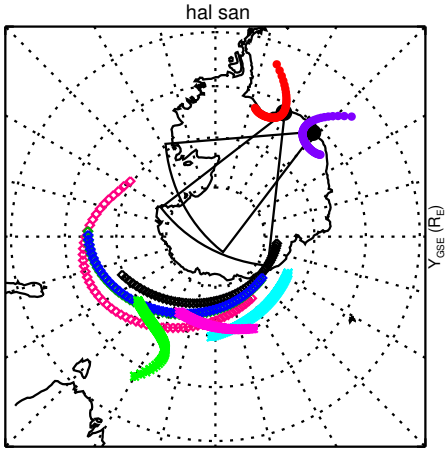


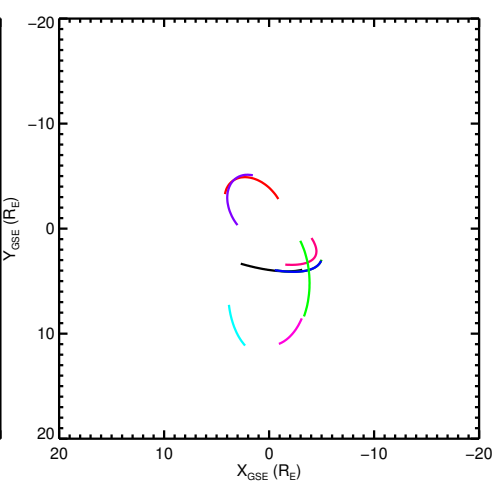


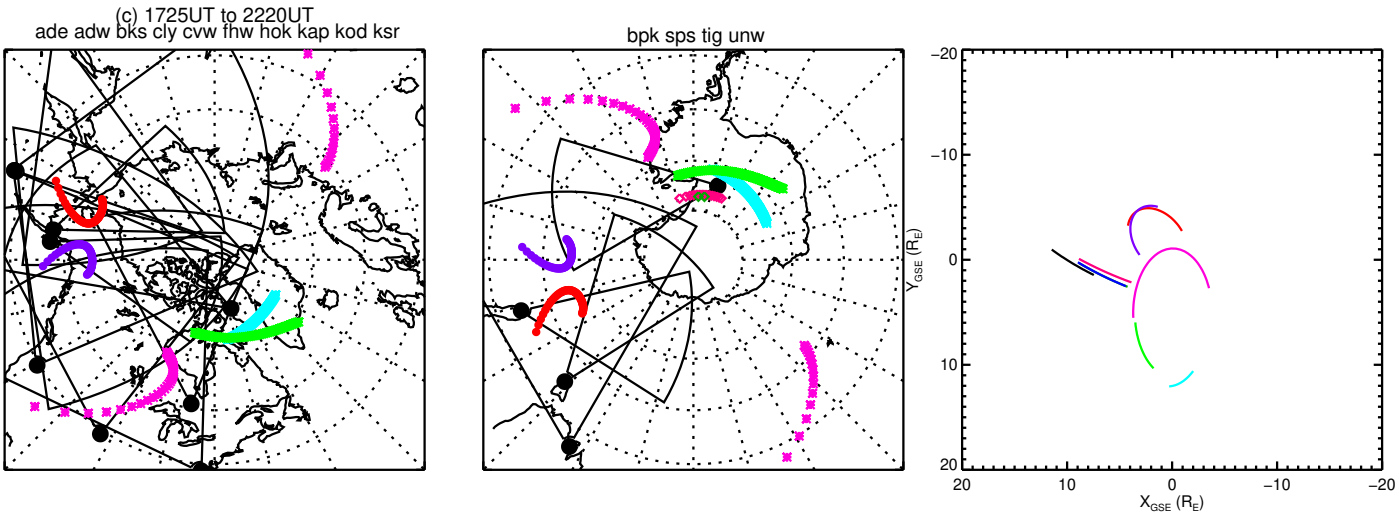
(b) 0830UT to 1320UT
cve fhe gbr inv sas wal



hal san



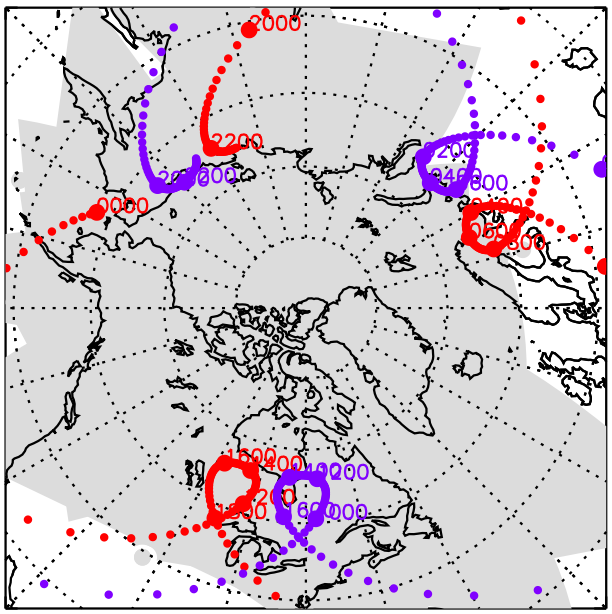


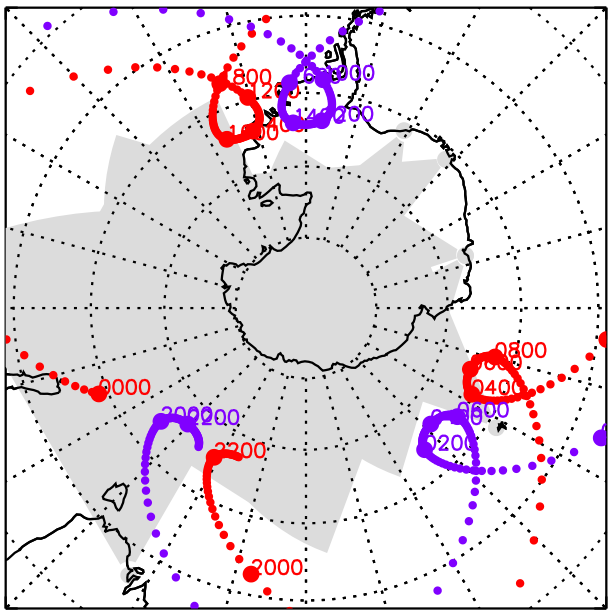

(c) 1725UT to 2220UT
ade adw bks cly cvw fhw hok kap kod ksr
bpk sps tig unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

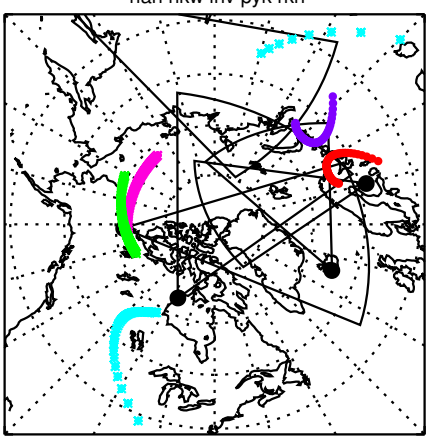
24–Mar–2016

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

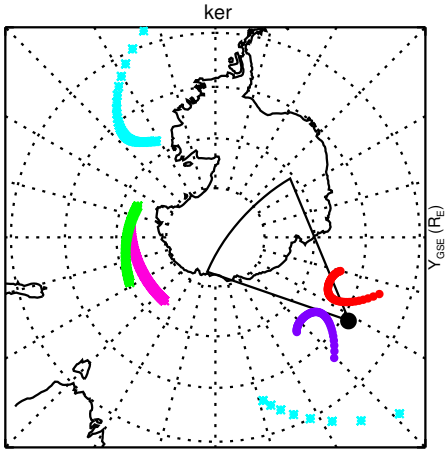


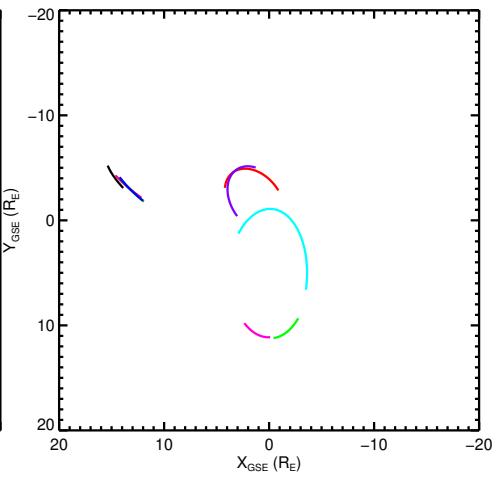


(a) 0225UT to 0725UT
han hkw inv pyk rkn

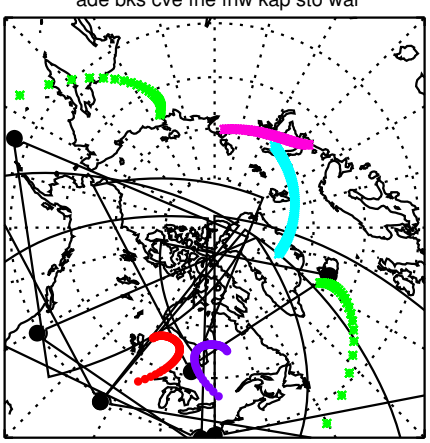


ker

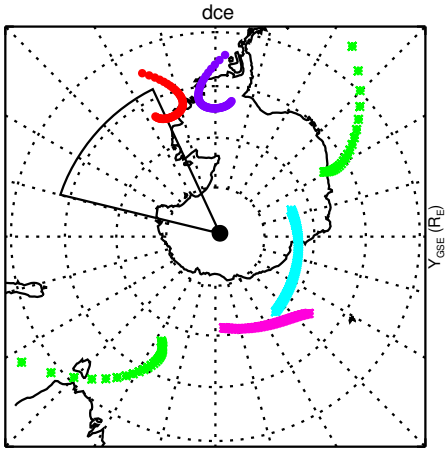


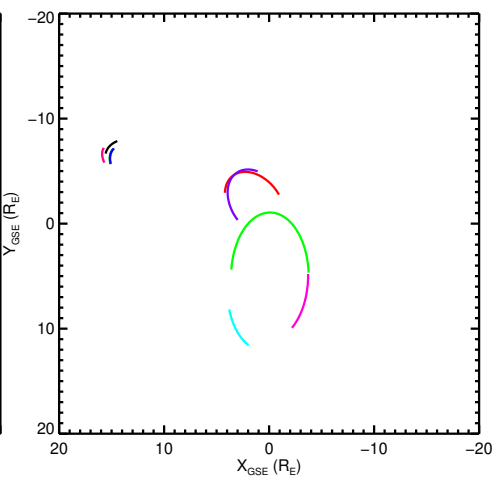


(b) 1120UT to 1630UT
ade bks cve fhe fhw kap sto wal

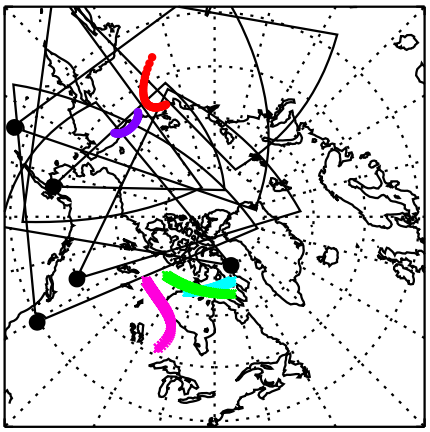


dce

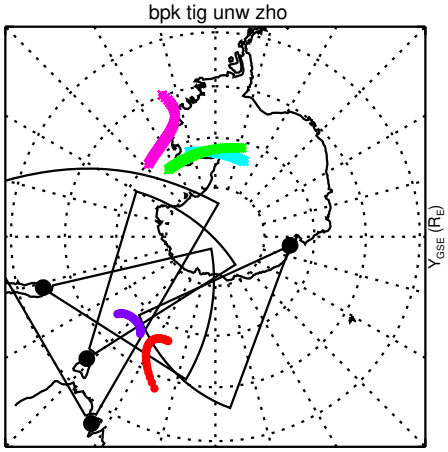


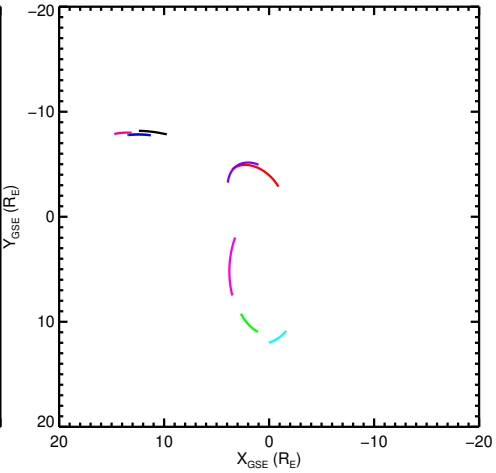


(c) 2020UT to 2355UT
adw cly cvw hkw hok ksr pgr



bpk tig unw zho

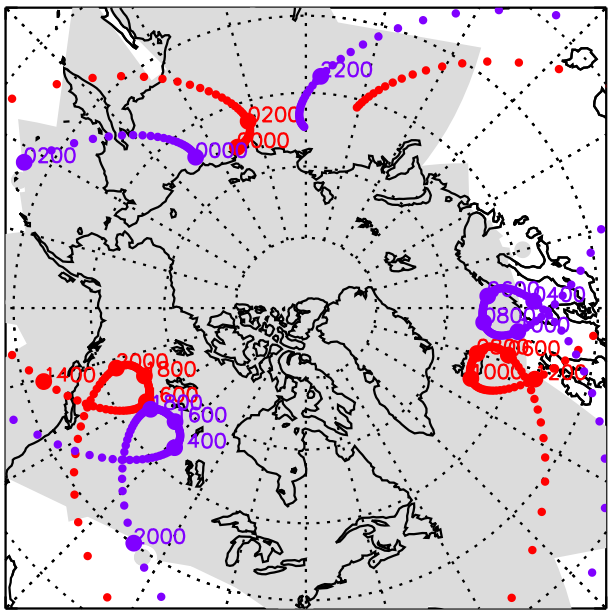


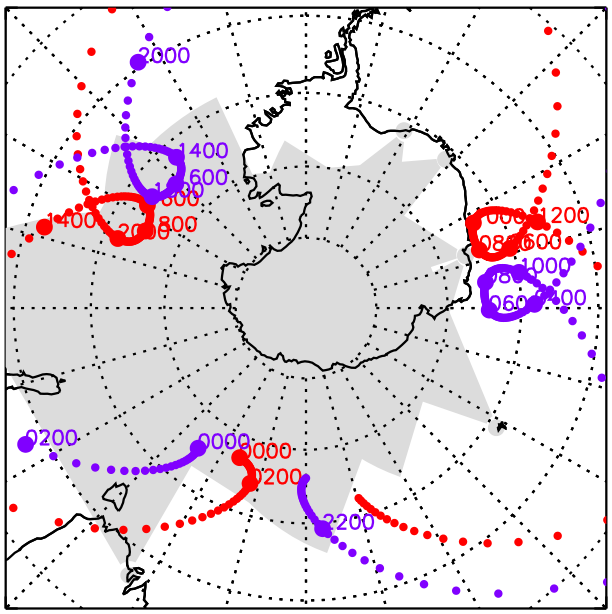


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

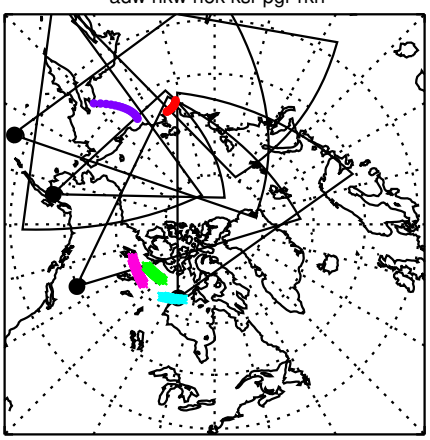
25–Mar–2016

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

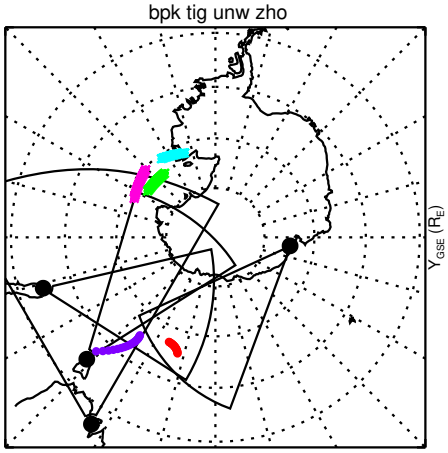


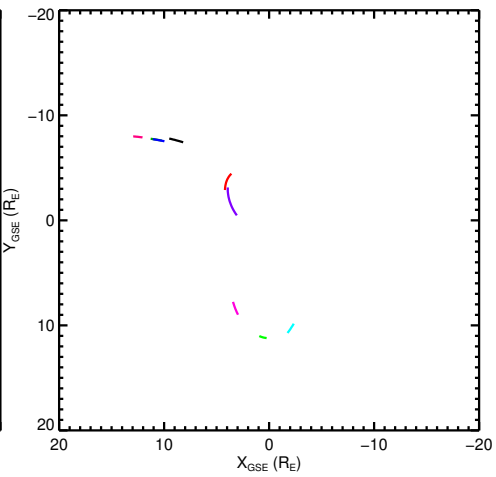


(a) 0000UT to 0130UT
adw hkw hok ksr pgr rkn

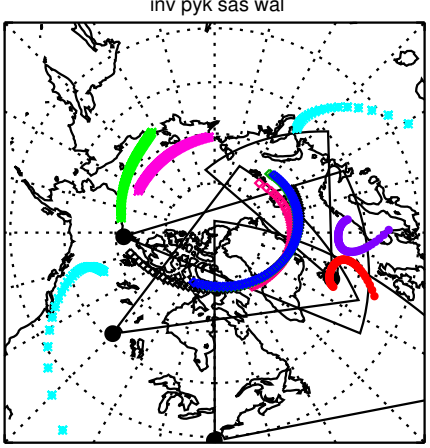


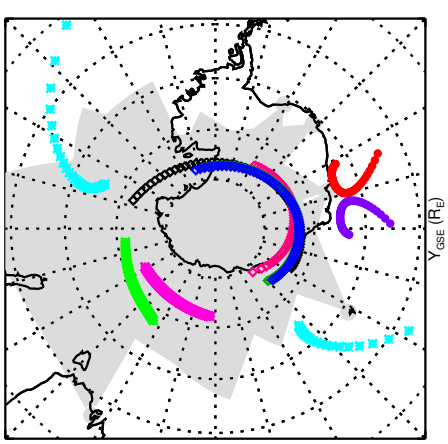
bpk tig unw zho

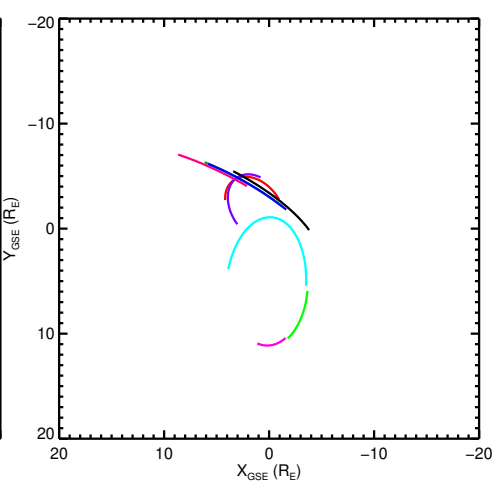




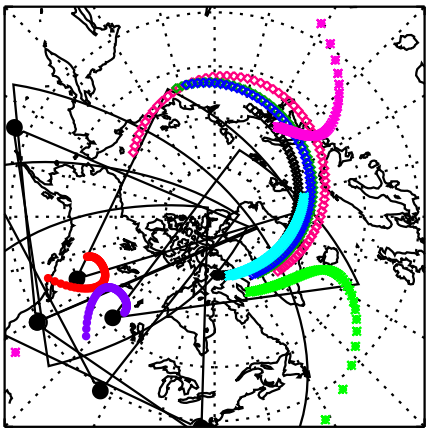
(b) 0515UT to 1035UT
inv pyk sas wal



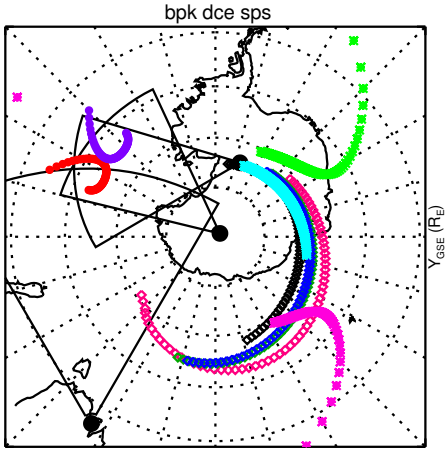


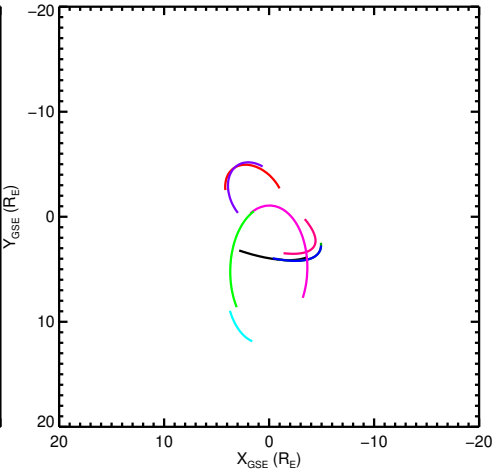


(c) 1410UT to 1940UT
ade bks cve cvw fhw pgr sas

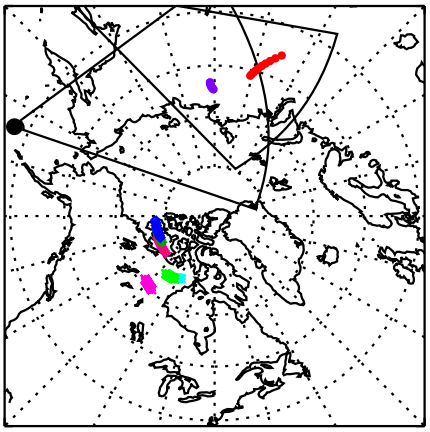


bpk dce sps

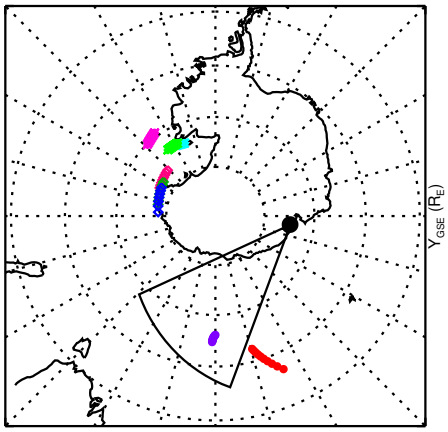


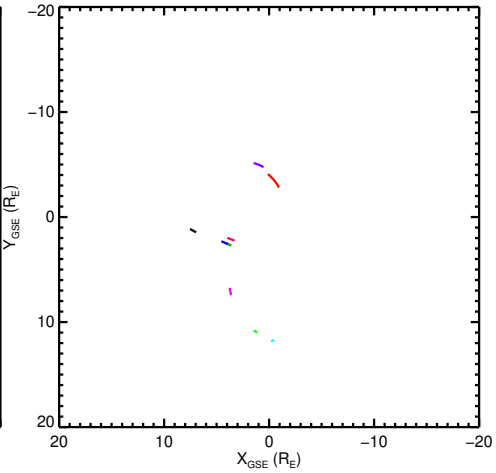


(d) 2310UT to 2355UT
adw hkw



zho

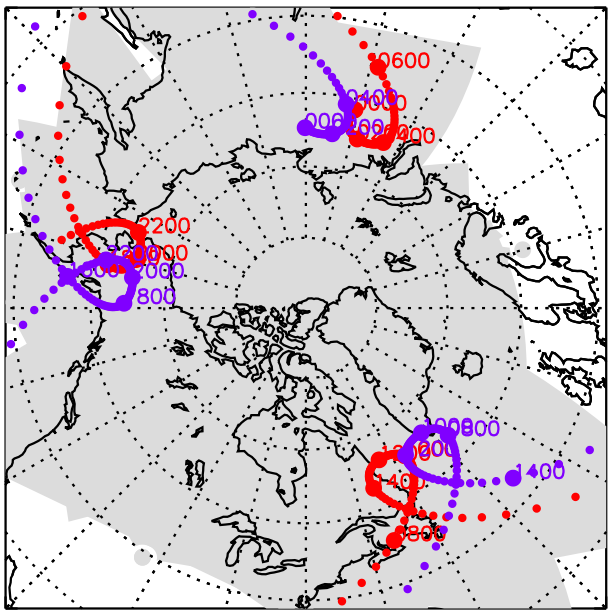


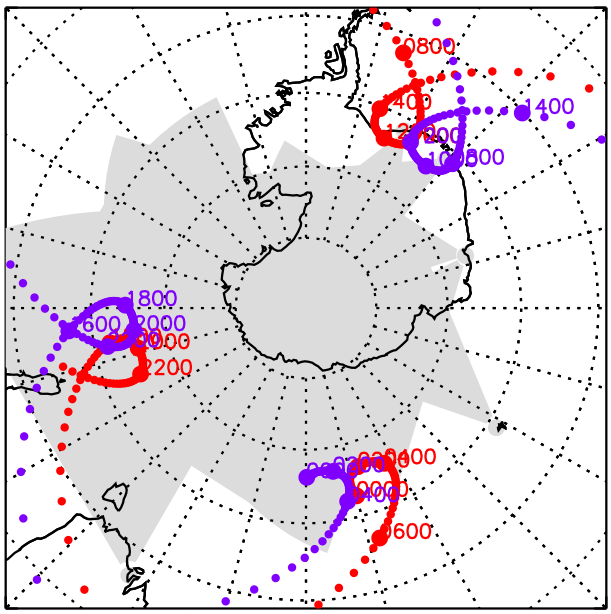


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

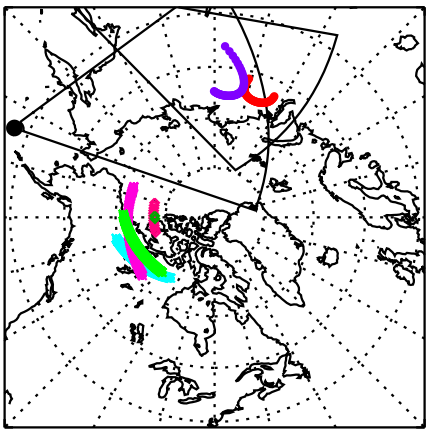
26–Mar–2016

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

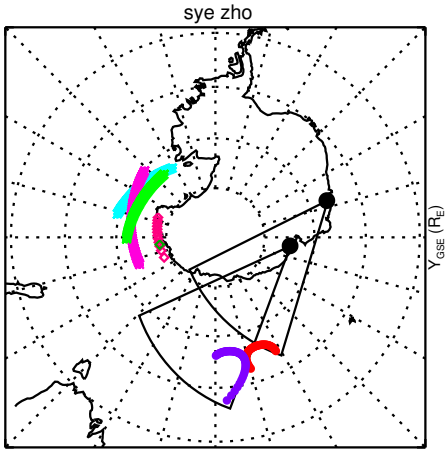


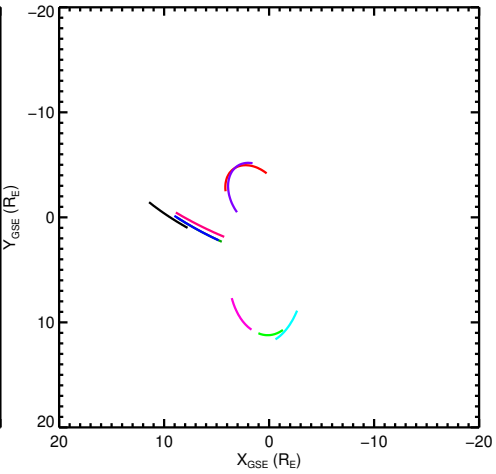


(a) 0000UT to 0440UT
adw hkw

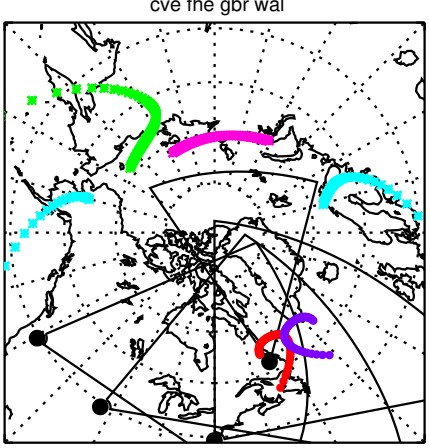


sye zho

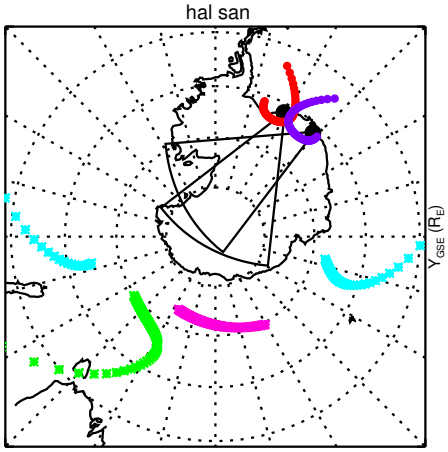


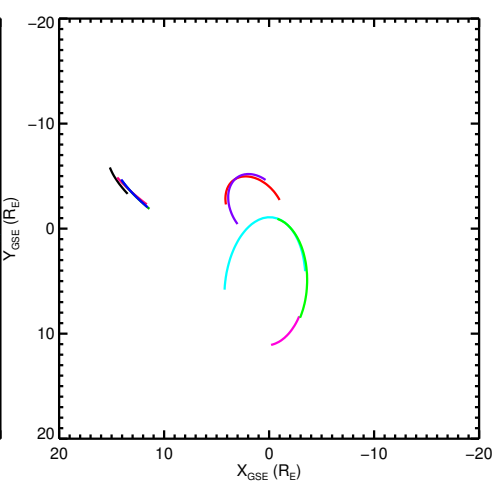


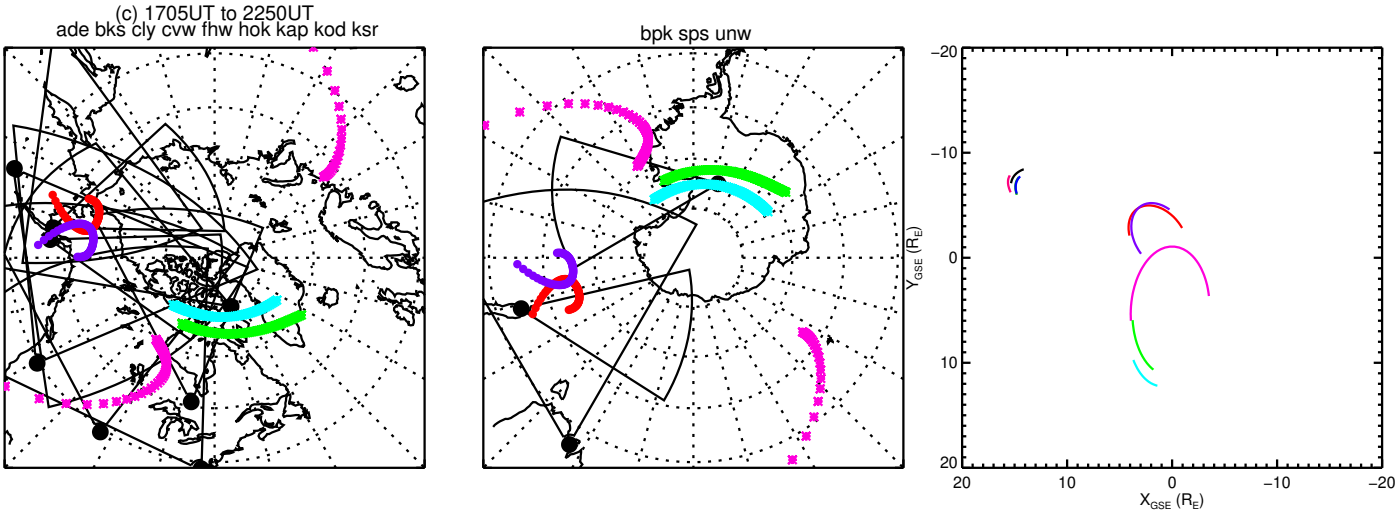
(b) 0805UT to 1345UT
cve fhe gbr wal



hal san



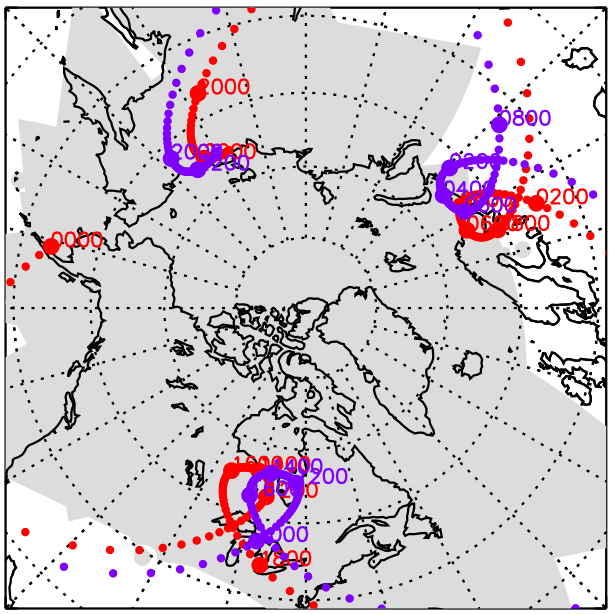


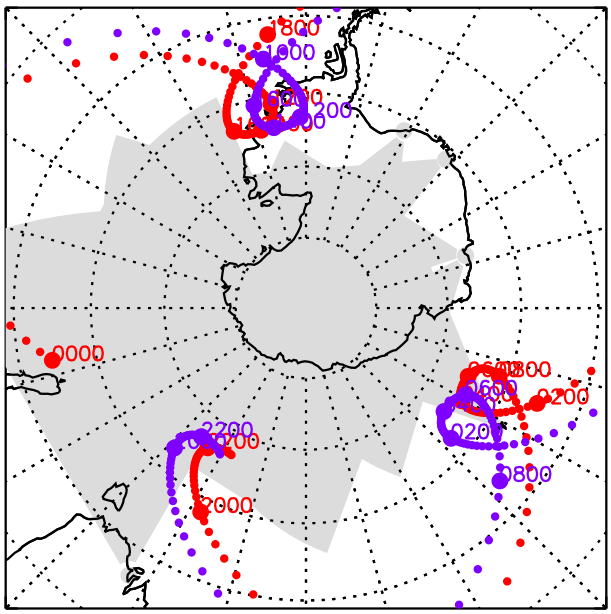

(c) 1705UT to 2250UT
ade bks cly cvw fhw hok kap kod ksr
bpk sps unw
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

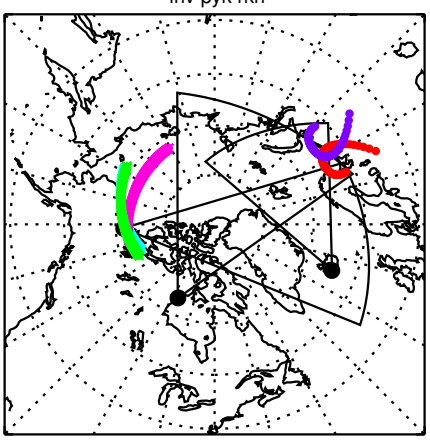
27–Mar–2016

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

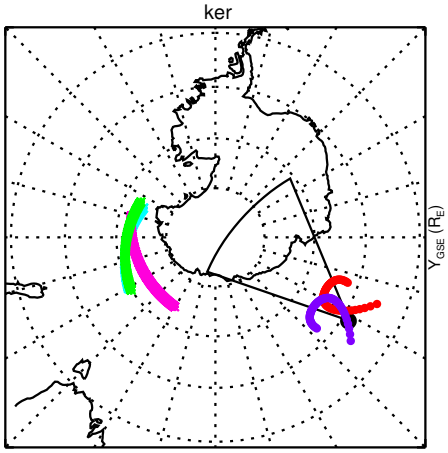


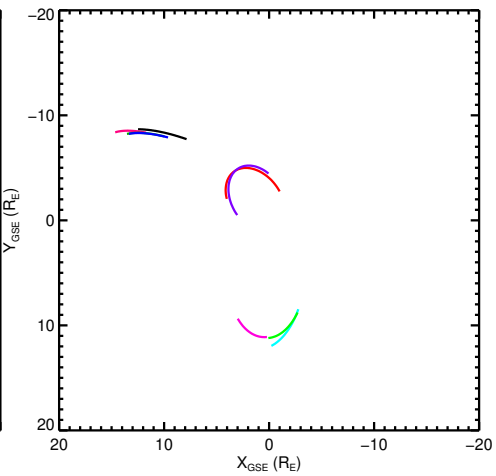


(a) 0200UT to 0750UT
inv pyk rkn

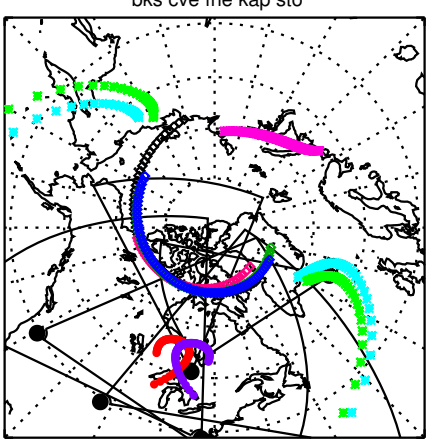


ker

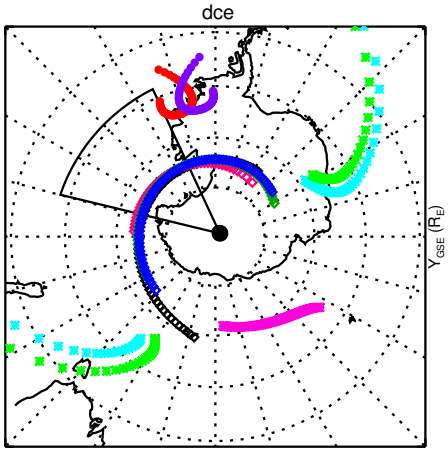


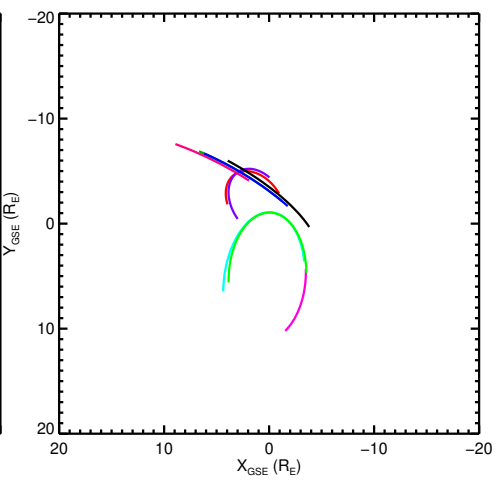


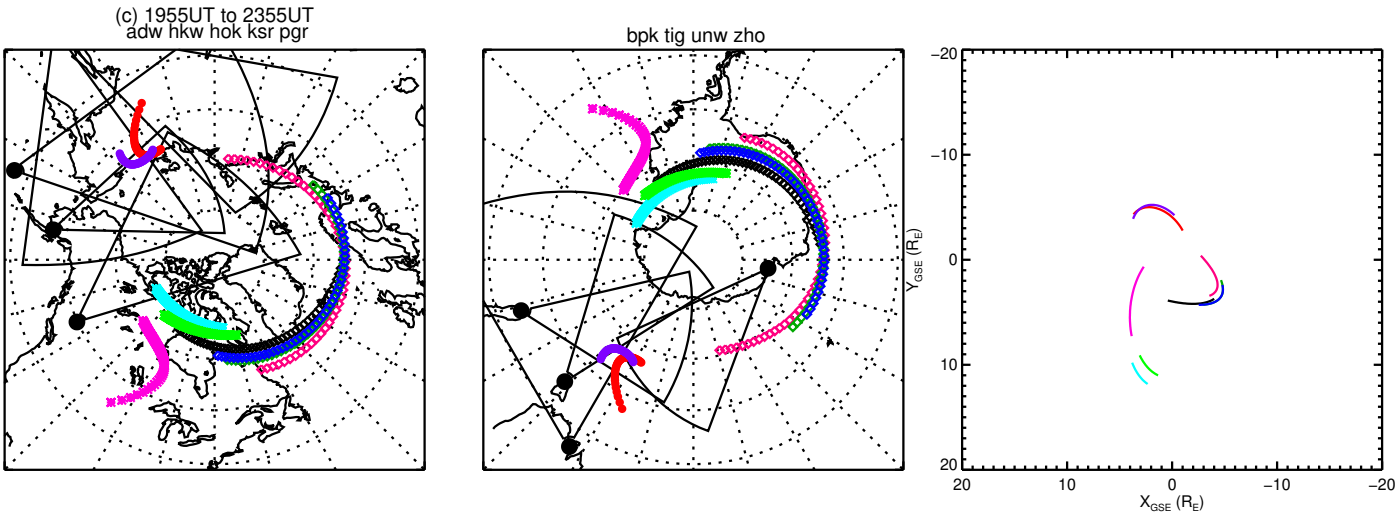
(b) 1100UT to 1655UT
bks cve fhe kap sto



dce



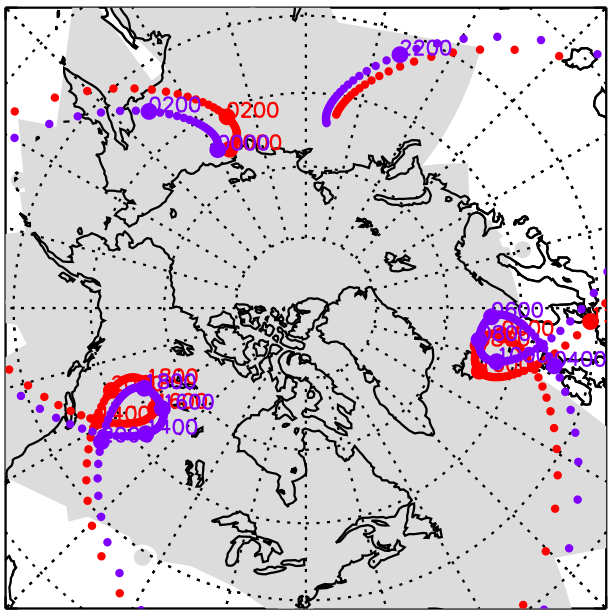


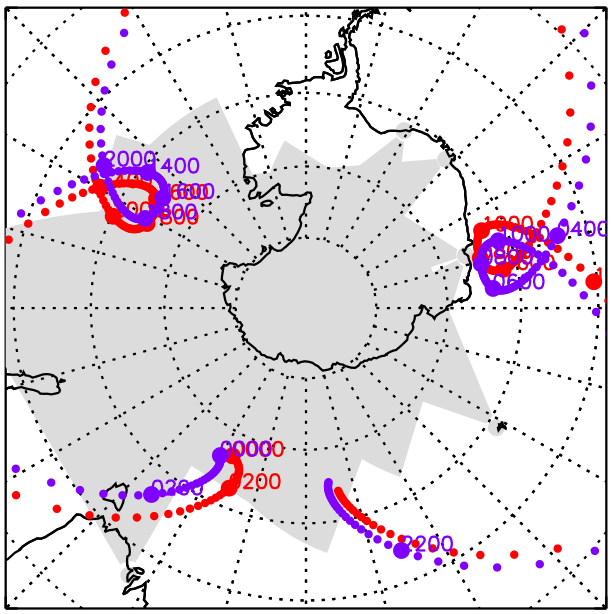

(c) 1955UT to 2355UT
adw hkw hok ksr pgr
bpk tig unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

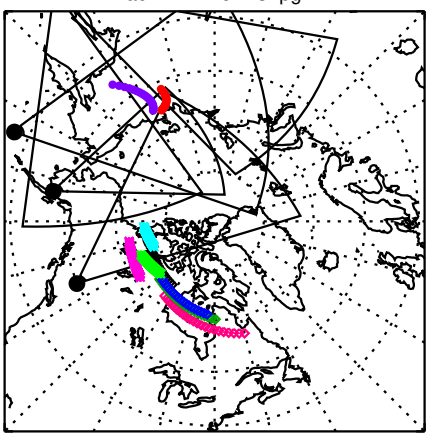
28–Mar–2016

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

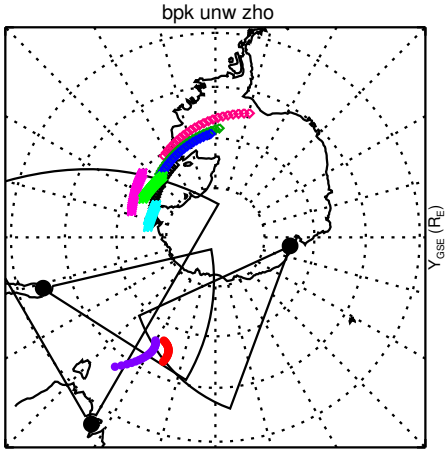


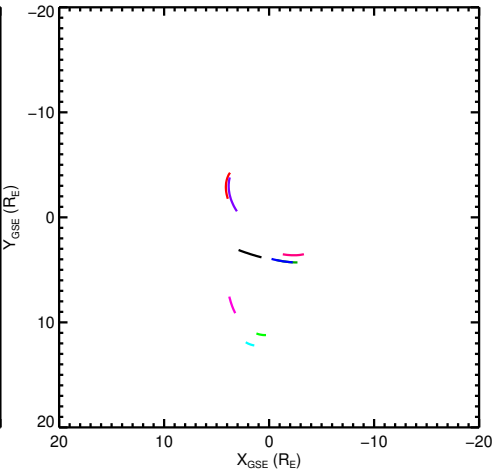


(a) 0000UT to 0155UT
adw hkw hok ksr pgr

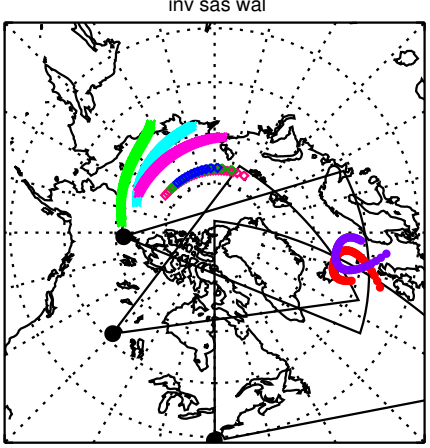


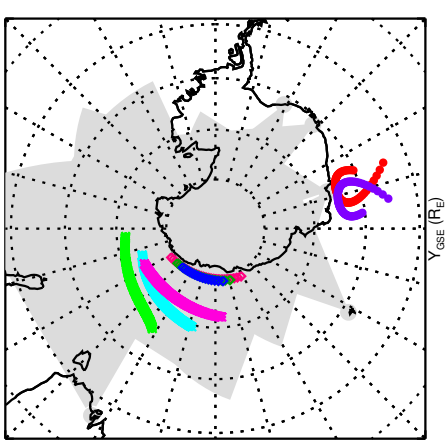
bpk unw zho

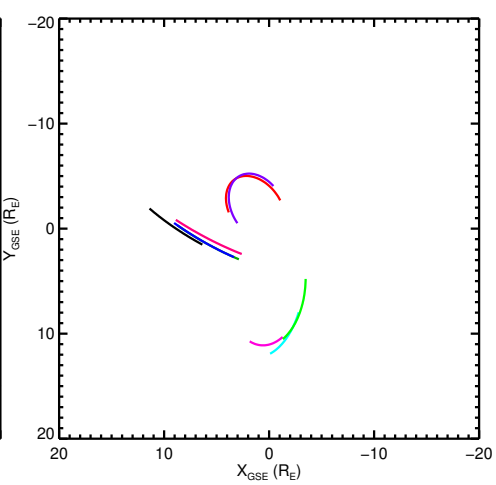




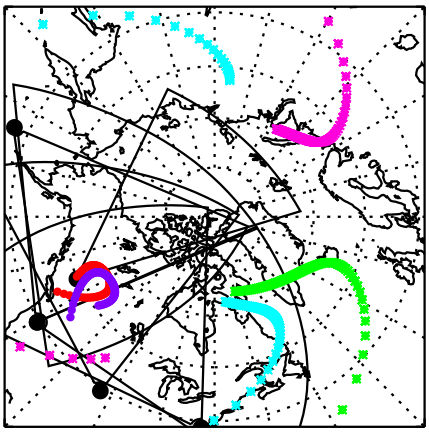
(b) 0450UT to 1100UT
inv sas wal



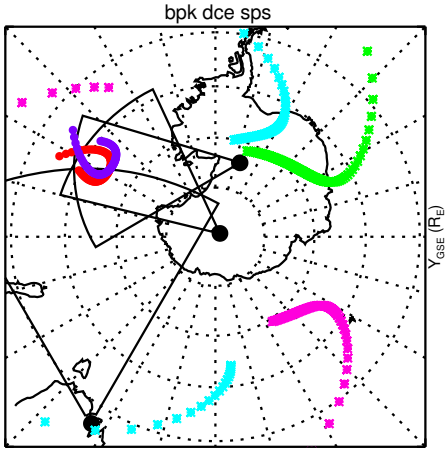


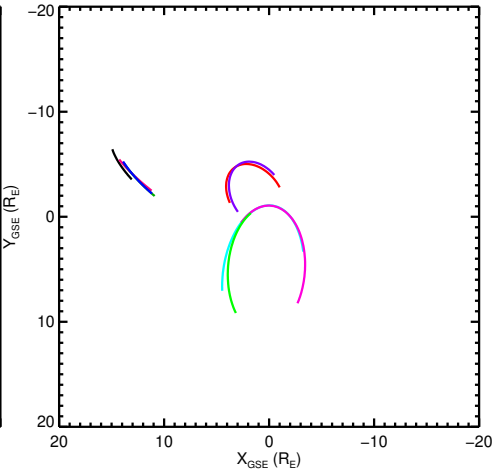


(c) 1350UT to 2005UT
ade bks cve cvw fhw pgr

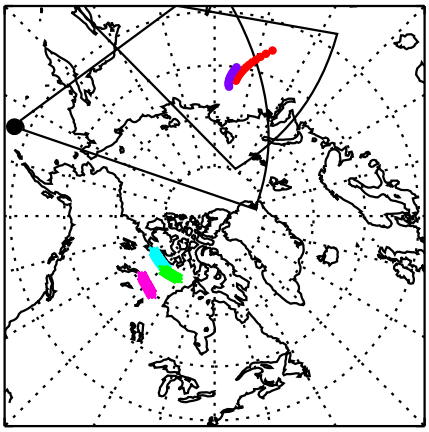


bpk dce sps

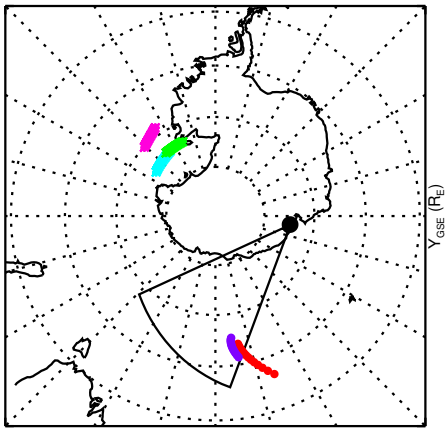


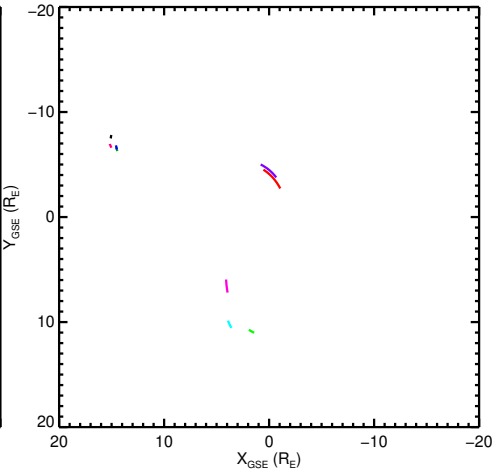


(d) 2245UT to 2355UT
adw hkw



zho

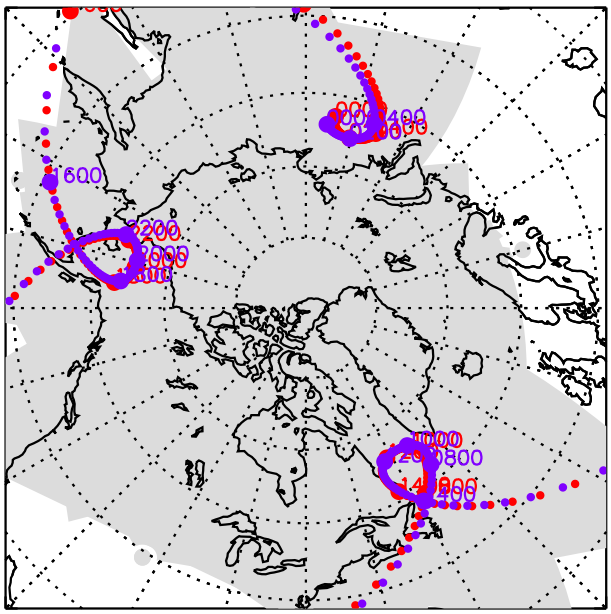


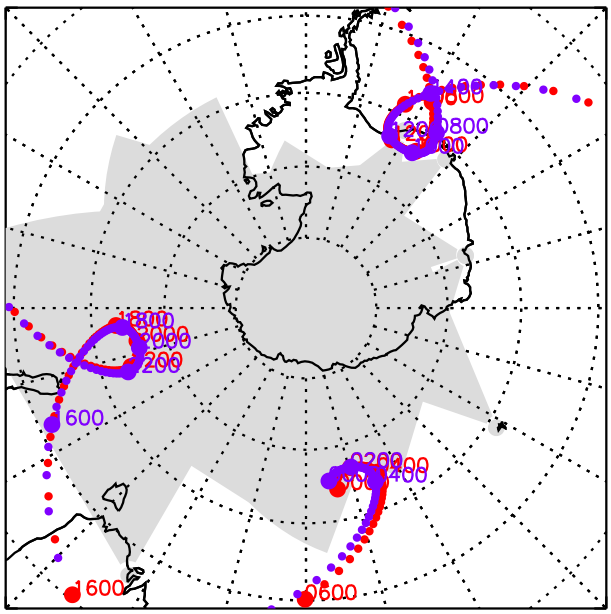


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

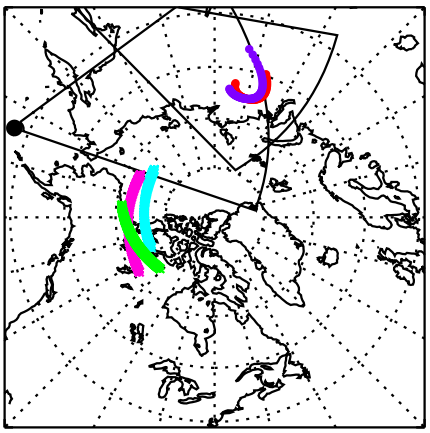
29–Mar–2016

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

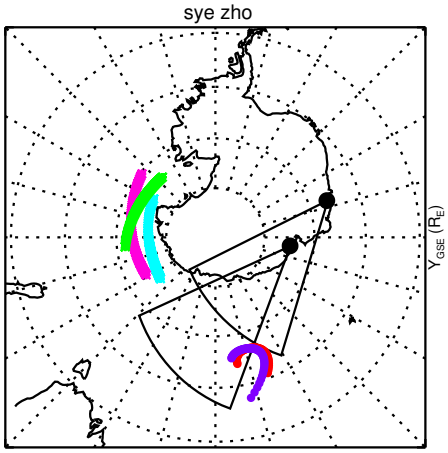


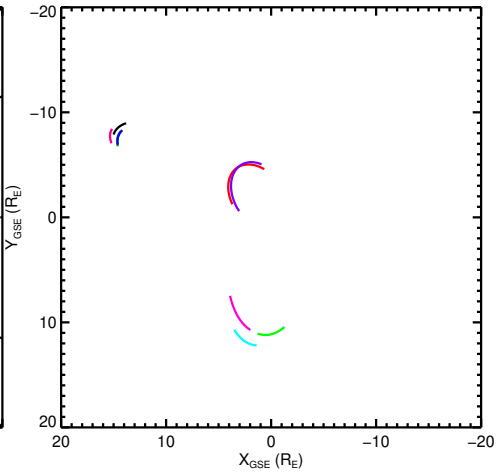


(a) 0000UT to 0505UT
adw hkw

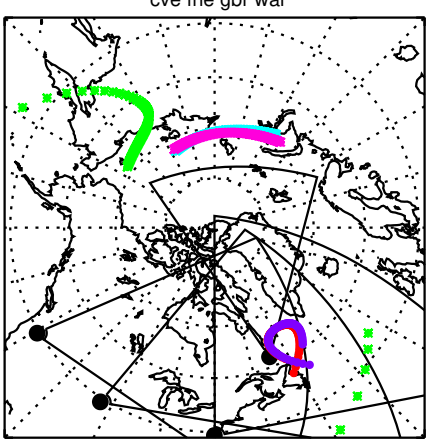


sye zho

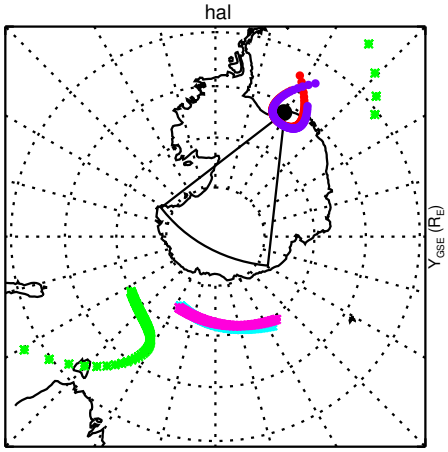


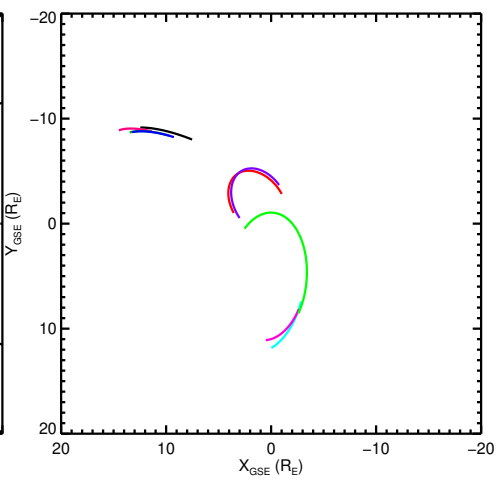


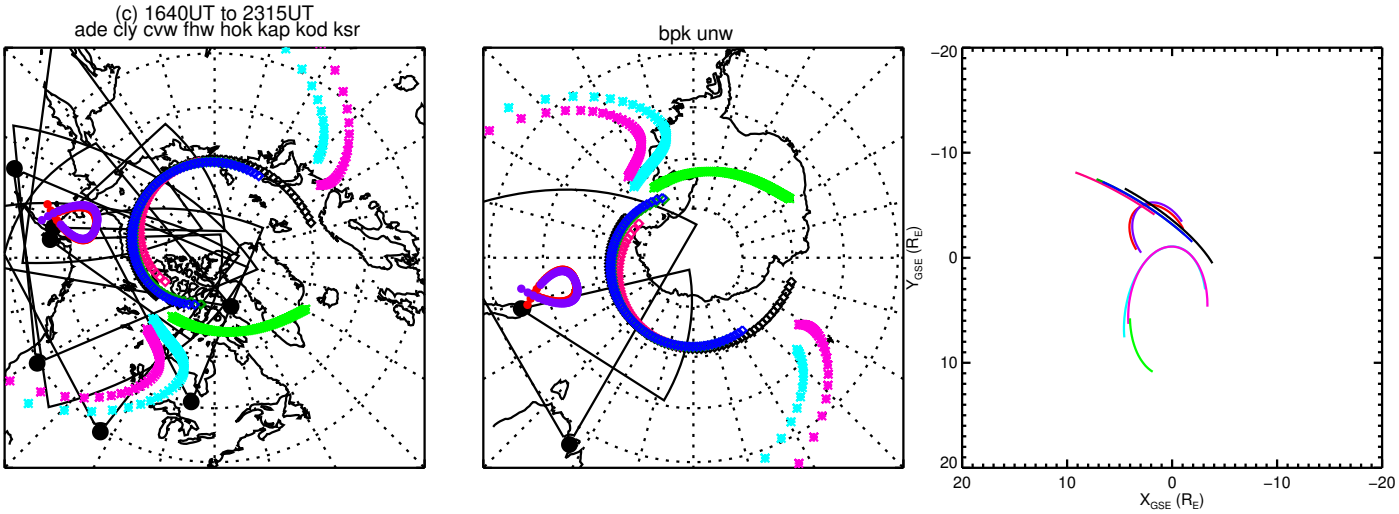
(b) 0745UT to 1410UT
cve fhe gbr wal



hal



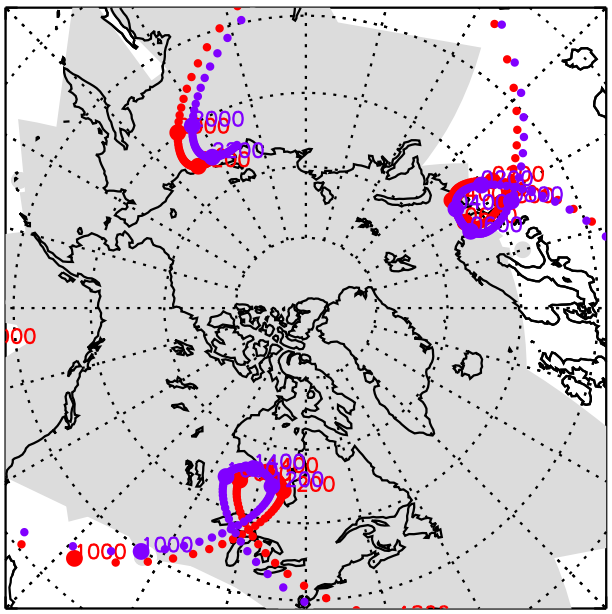


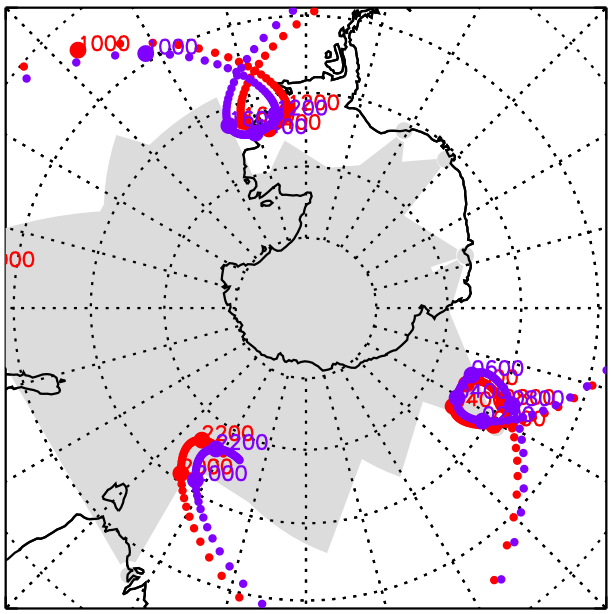

(c) 1640UT to 2315UT
ade cly cvw fhw hok kap kod ksr
bpk unw
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

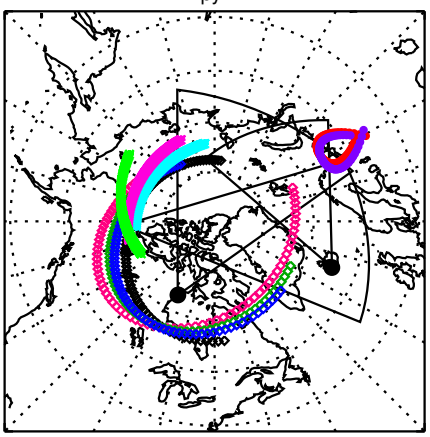
30–Mar–2016

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

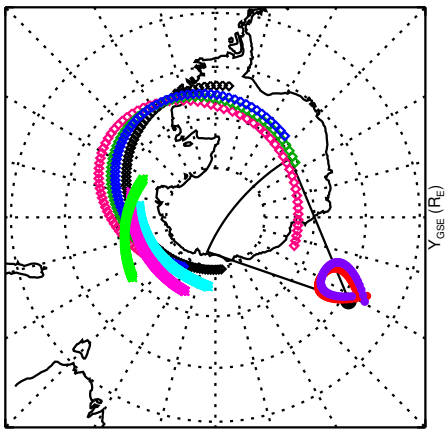


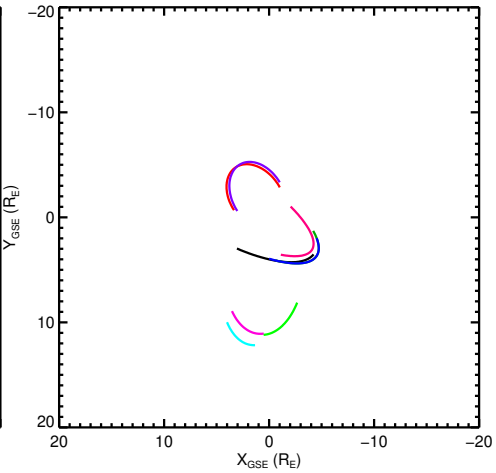


(a) 0140UT to 0815UT
inv pyk rkn

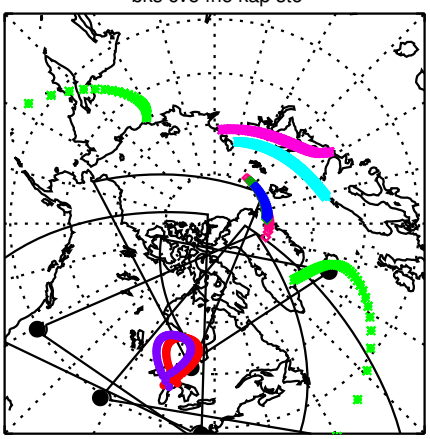


ker

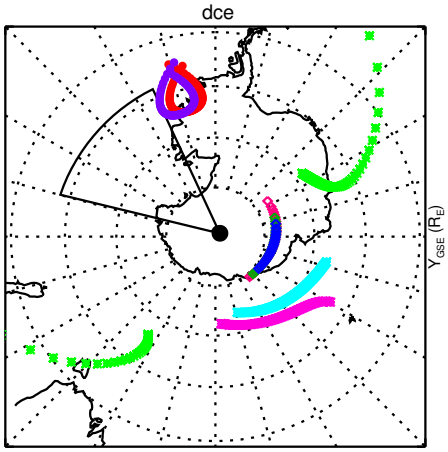


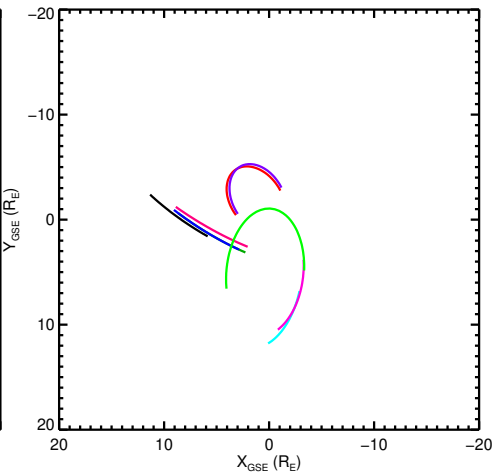


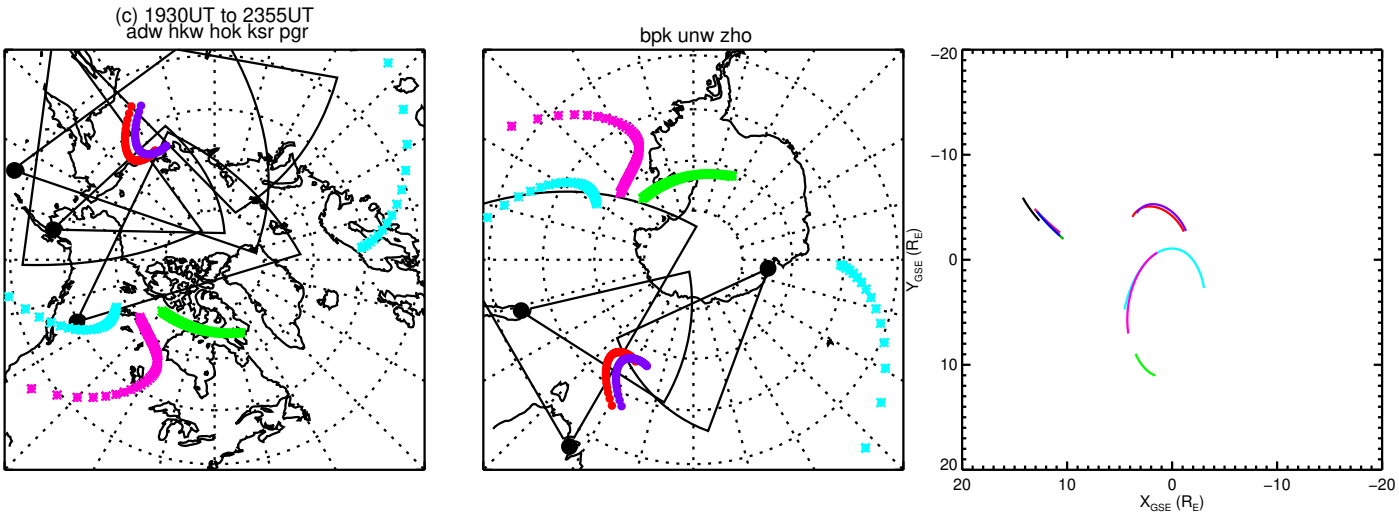
(b) 1035UT to 1720UT
bks cve fhe kap sto



dce



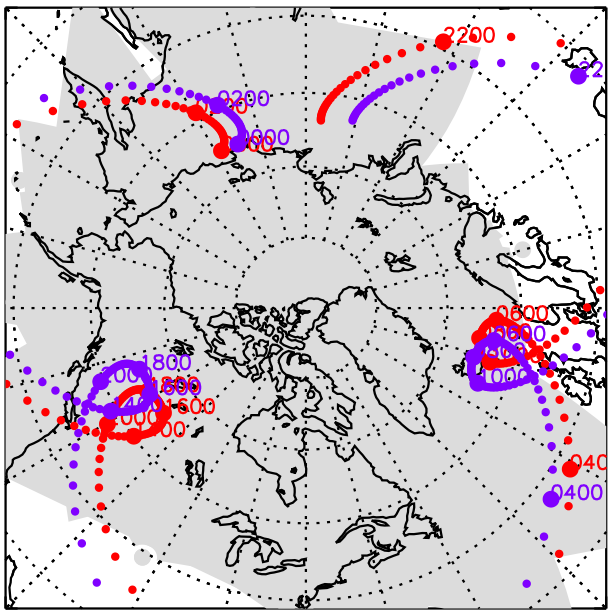


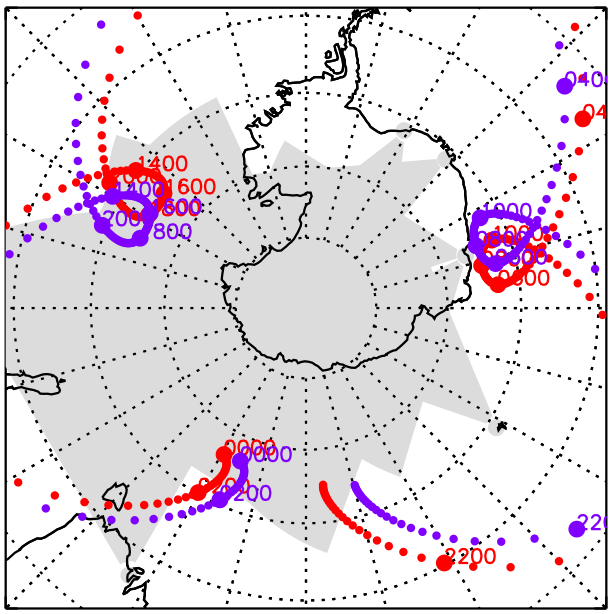

(c) 1930UT to 2355UT
adw hkw hok ksr pgr
bpk unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

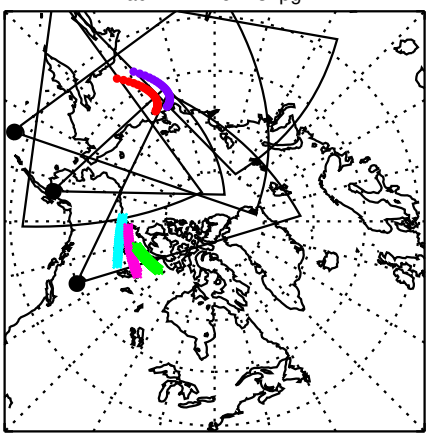
31−Mar−2016

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

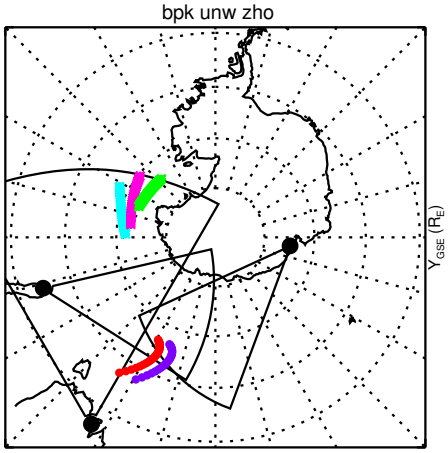


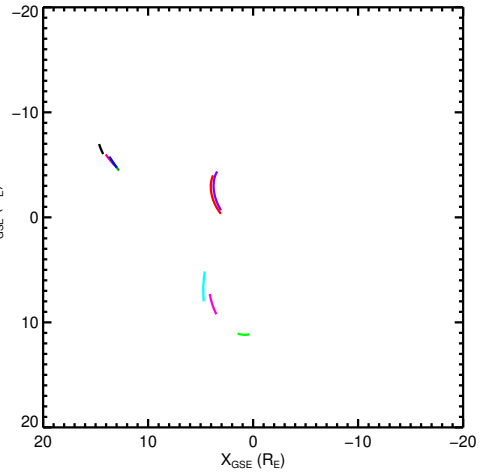


(a) 0000UT to 0220UT
adw hkw hok ksr pgr

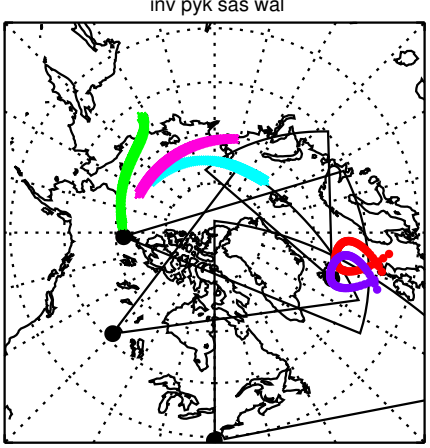


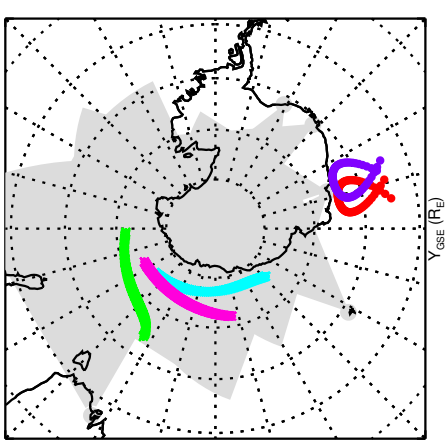
bpk unw zho

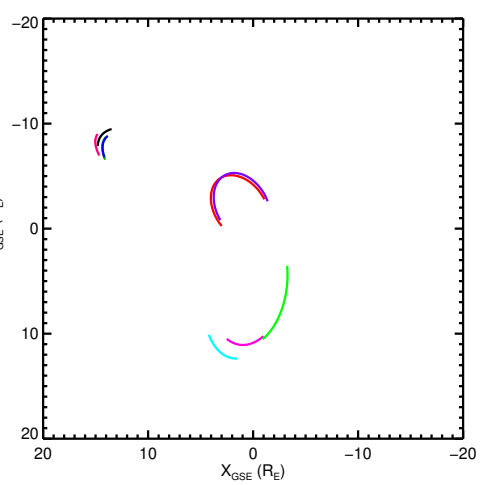


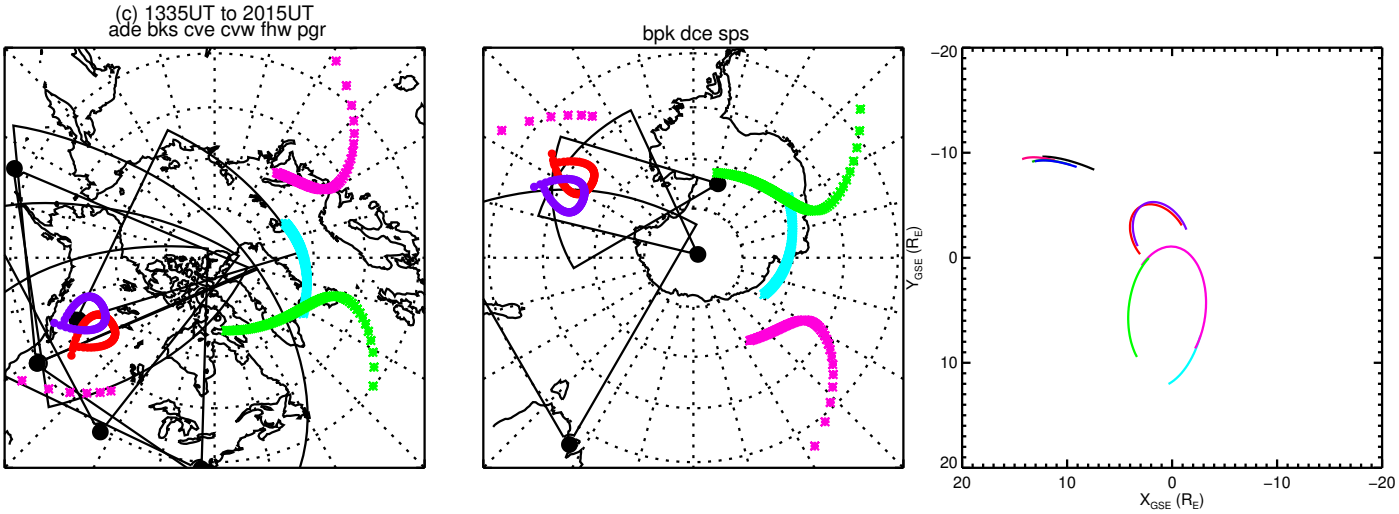


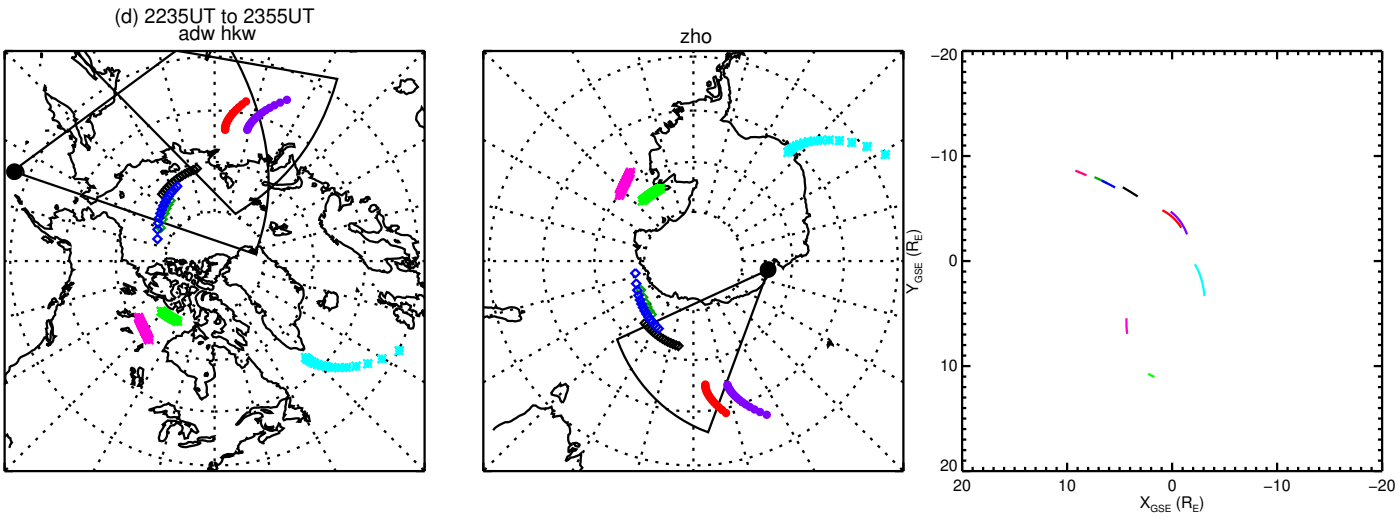
(b) 0430UT to 1120UT
inv pyk sas wal








(c) 1335UT to 2015UT
ade bks cve cvw fhw pgr
bpk dce sps
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)


(d) 2235UT to 2355UT
adw hkw
zho
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)