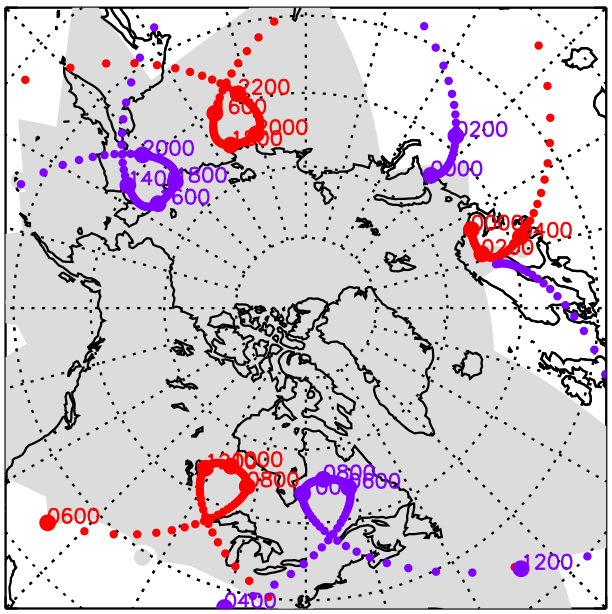
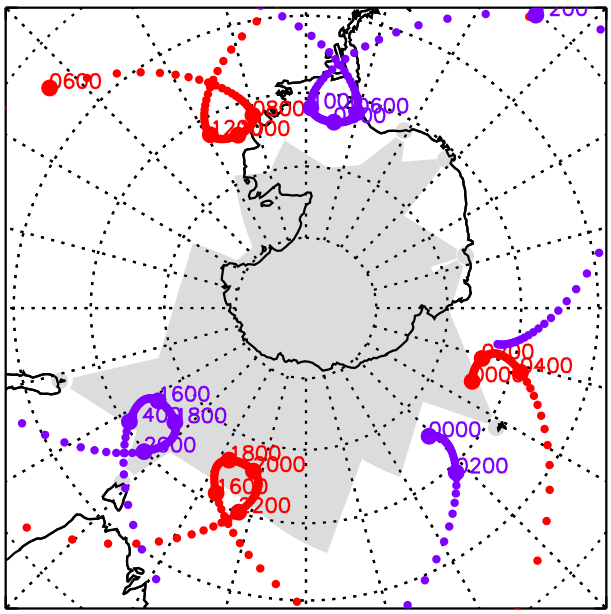
Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

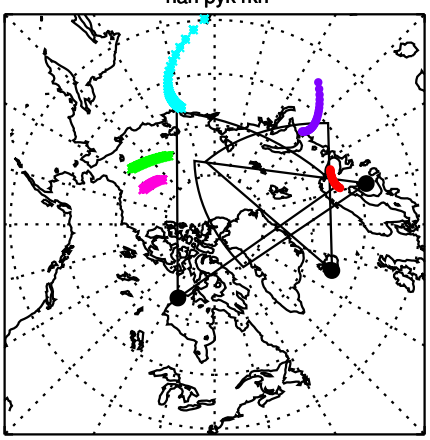
01–Jan–2013

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

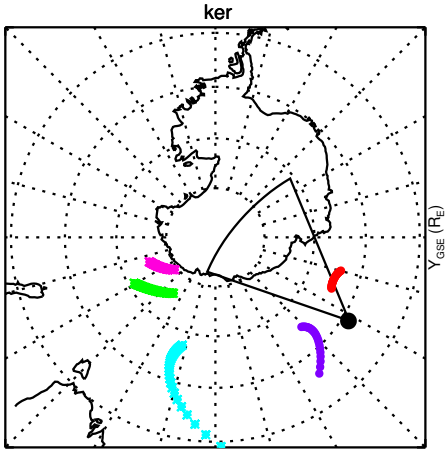


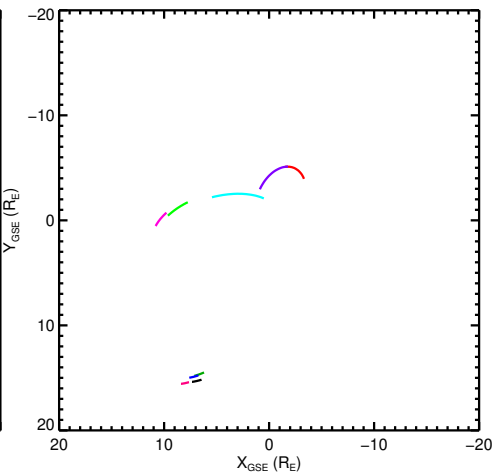


(a) 0000UT to 0220UT
han pyk rkn

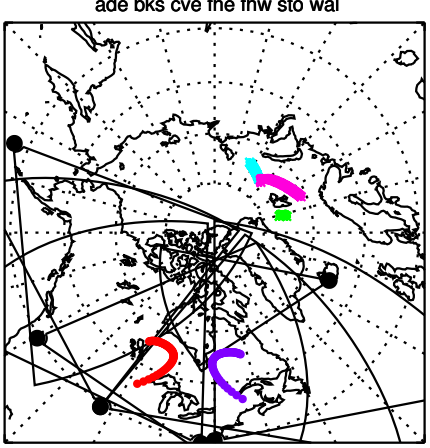


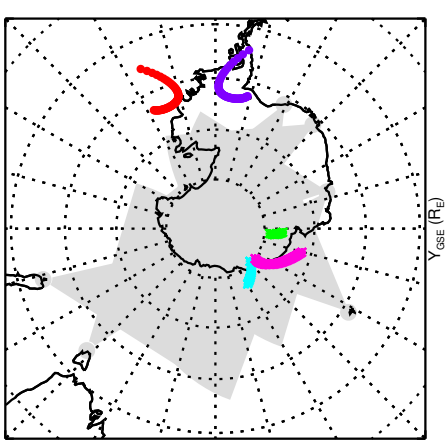
ker

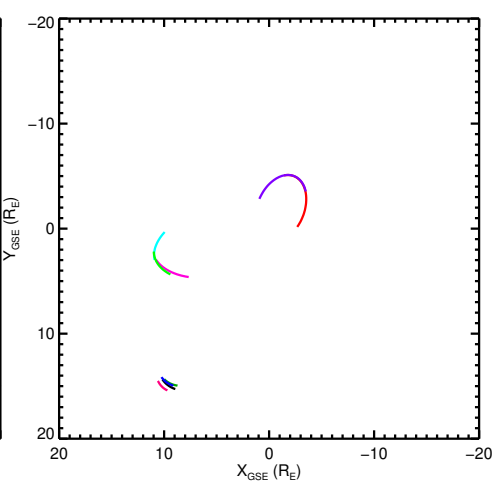


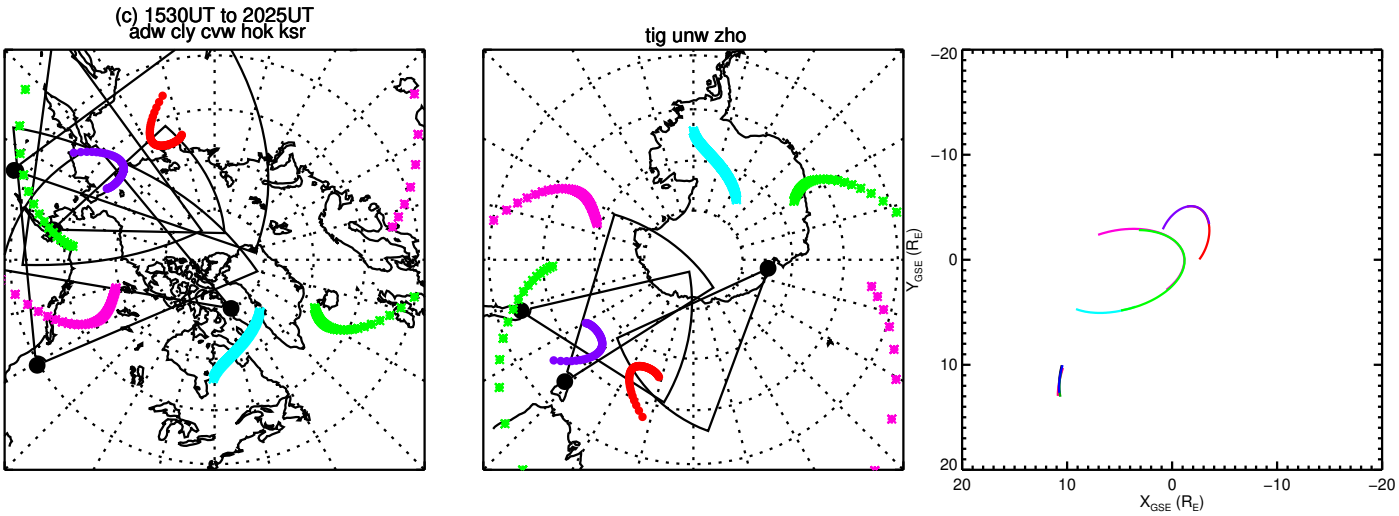


(b) 0635UT to 1125UT
ade bks cve fhe fhw sto wal





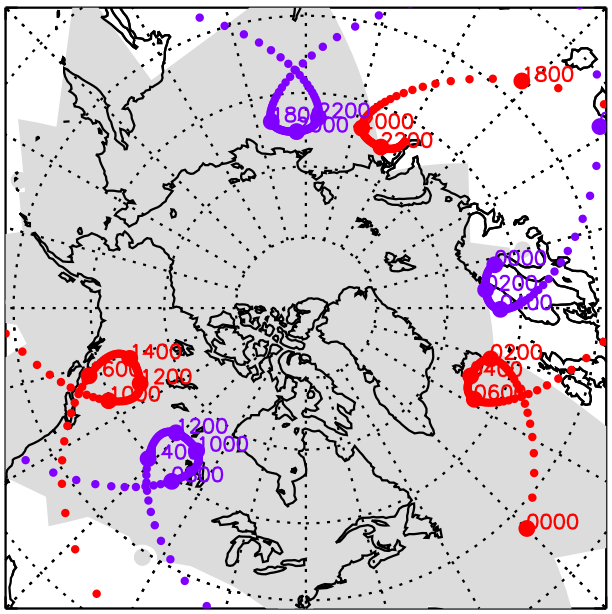


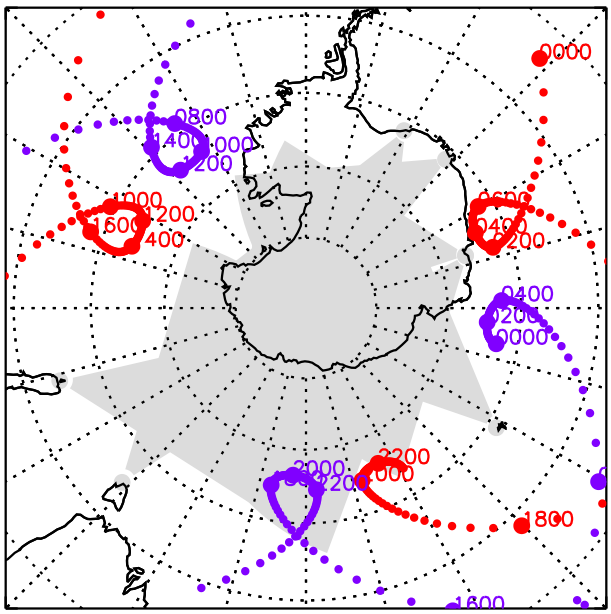

(c) 1530UT to 2025UT
adw cly cvw hok ksr
tig unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

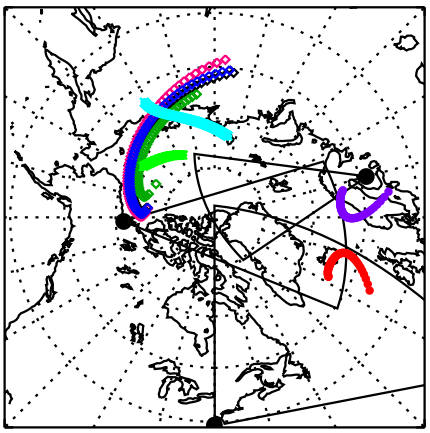
02–Jan–2013

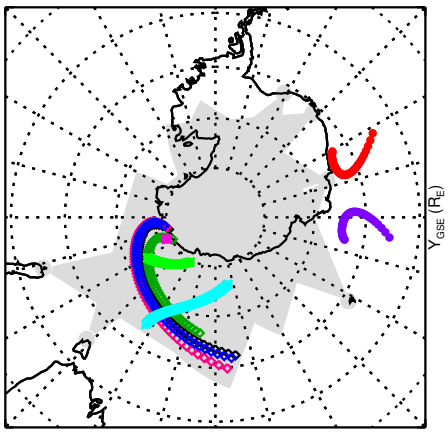
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

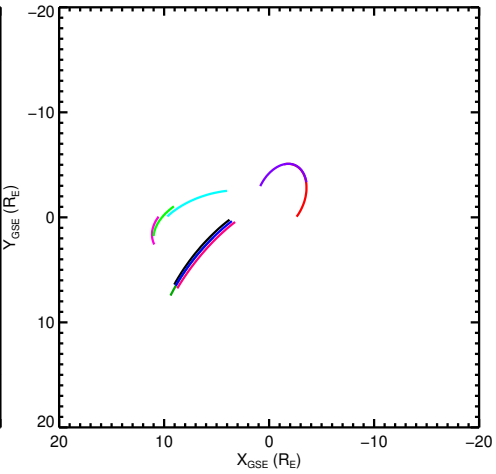




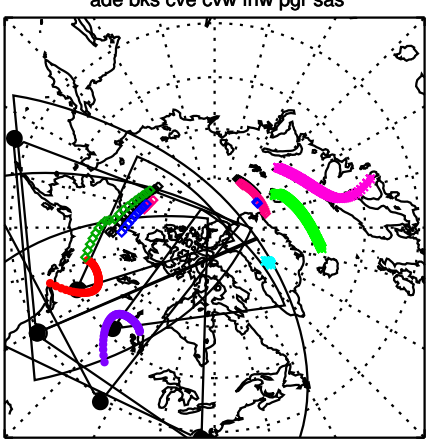
(a) 0030UT to 0525UT
han inv wal

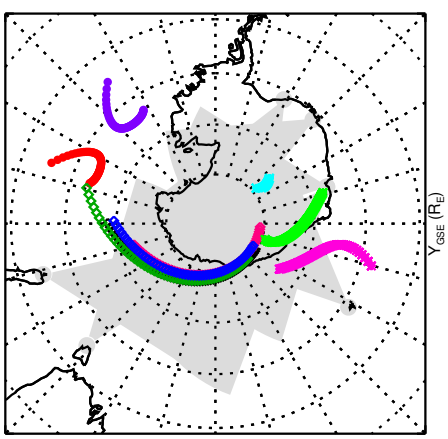


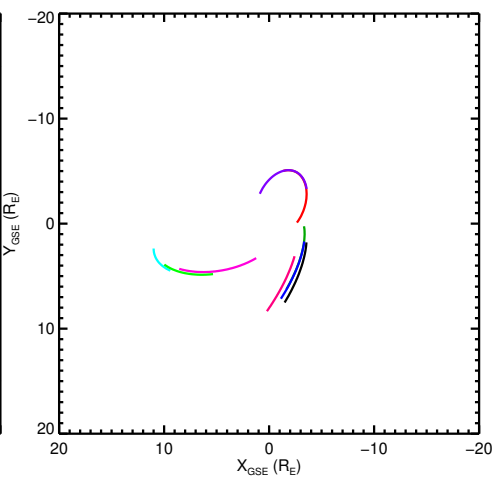


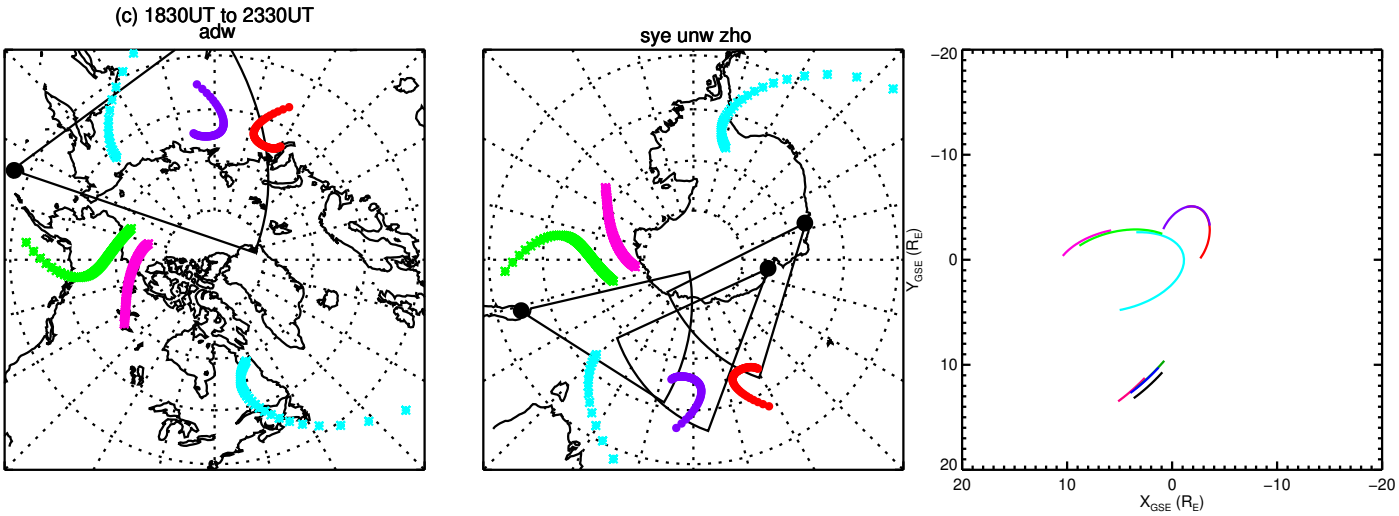


(b) 0930UT to 1430UT
ade bks cve cvw fhw pgr sas





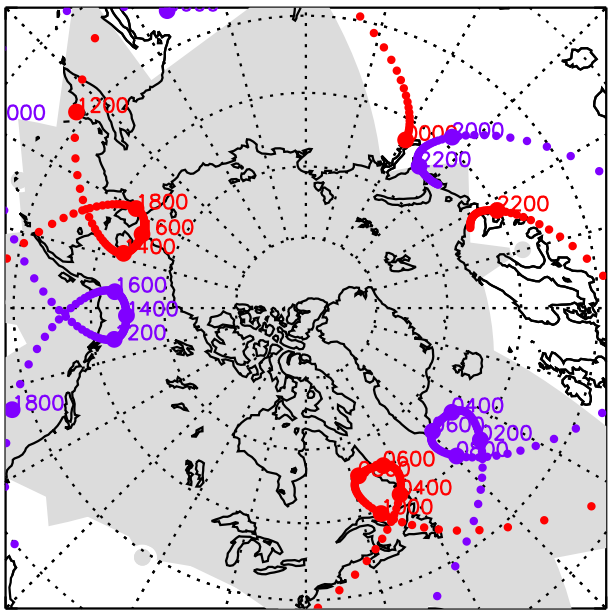


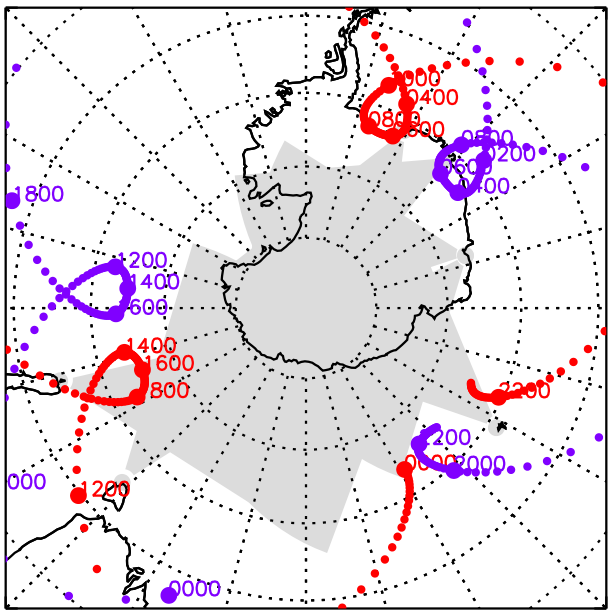

(c) 1830UT to 2330UT
adw
sye unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

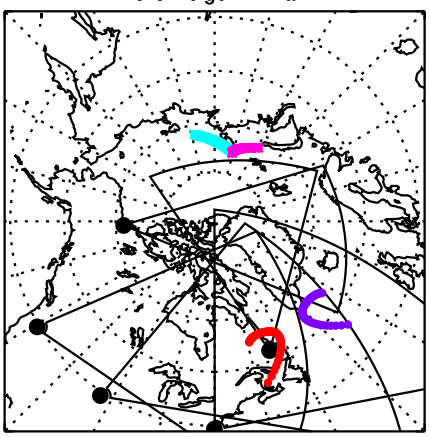
03–Jan–2013

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

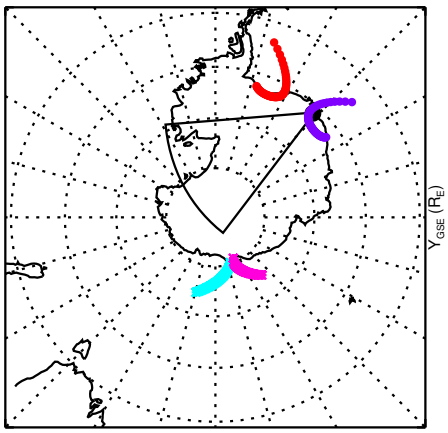


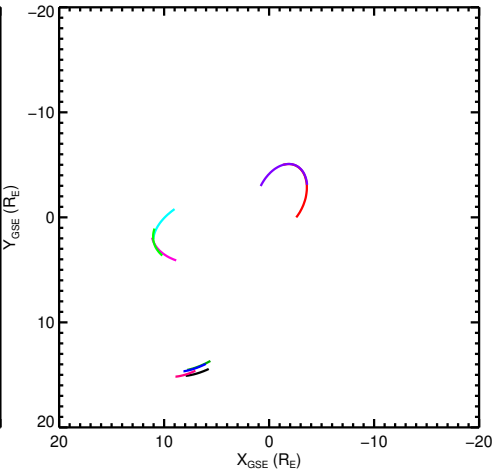


(a) 0325UT to 0830UT
cve fhe gbr inv wal

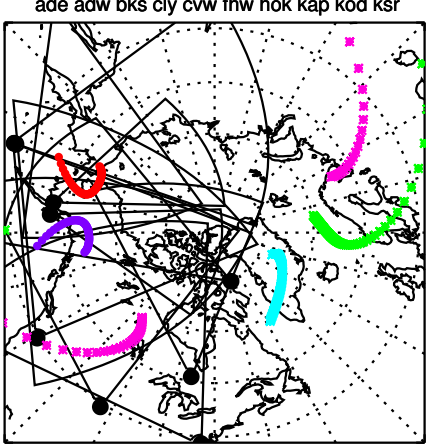


san

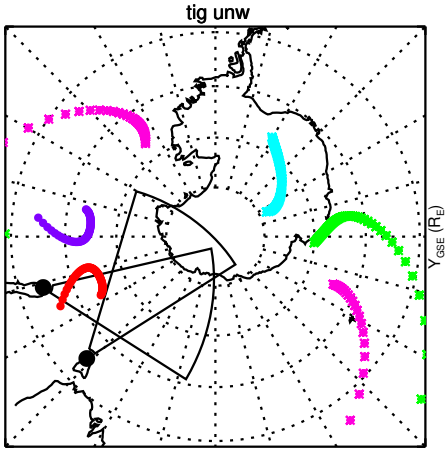


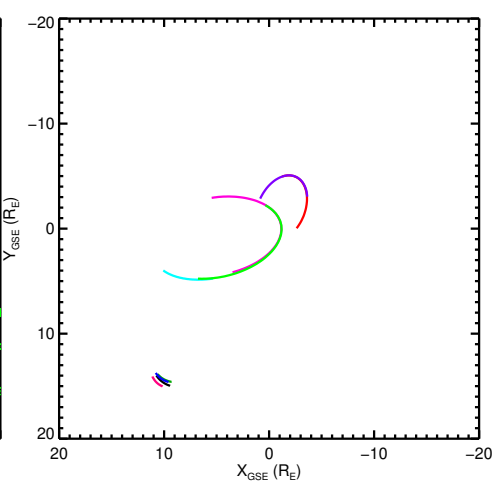


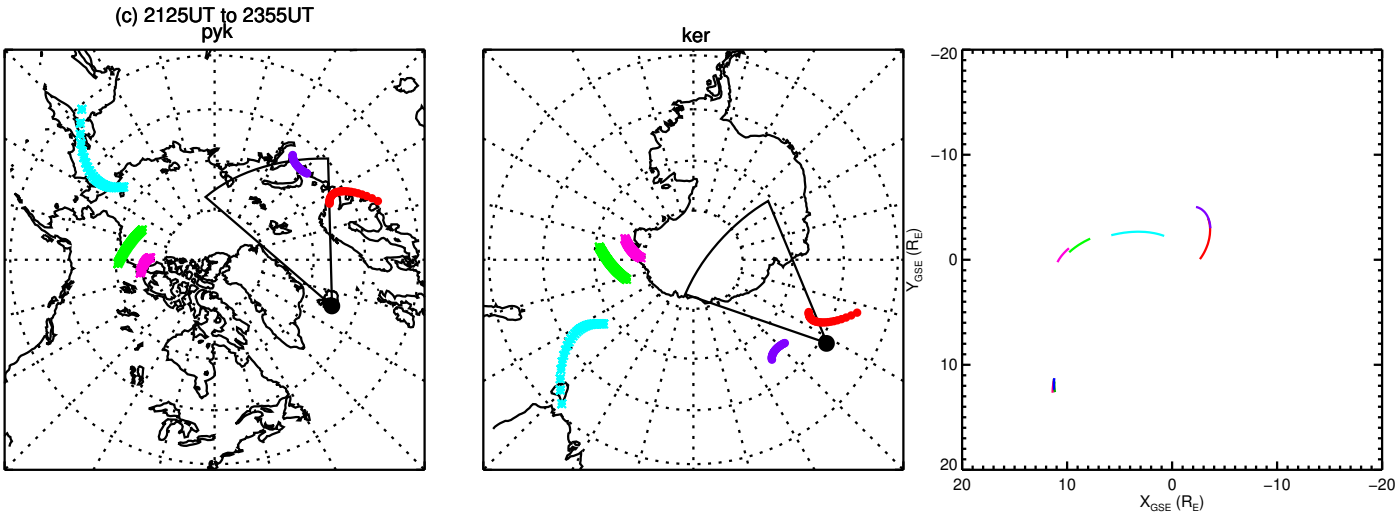
(b) 1225UT to 1735UT
ade adw bks cly cvw fhw hok kap kod ksr



tig unw



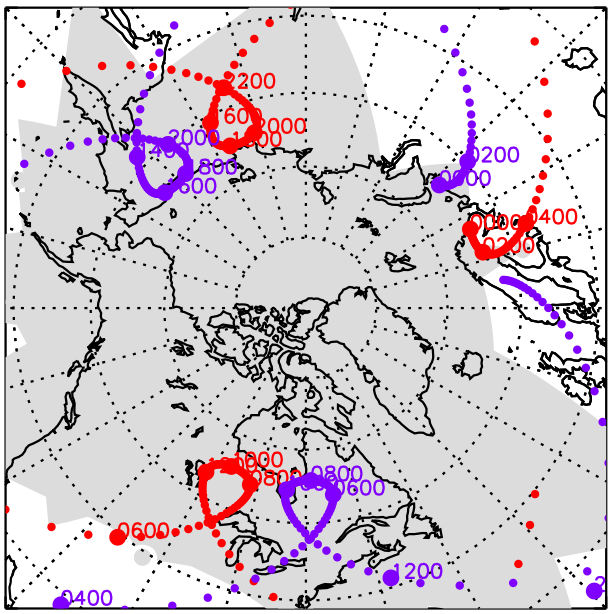


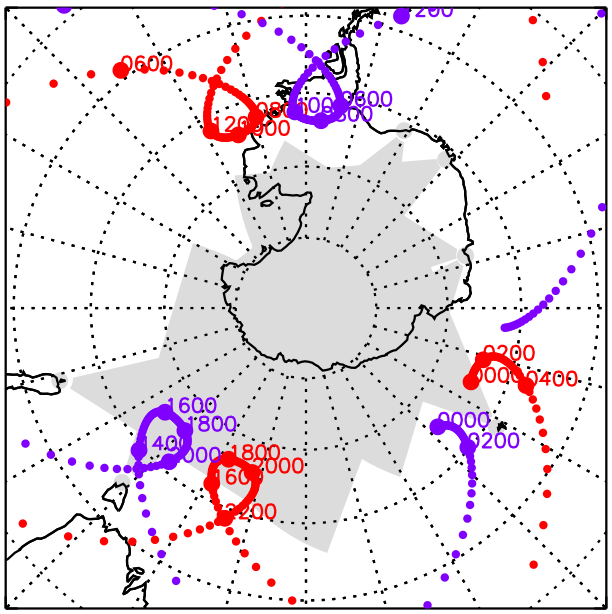

(c) 2125UT to 2355UT
pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

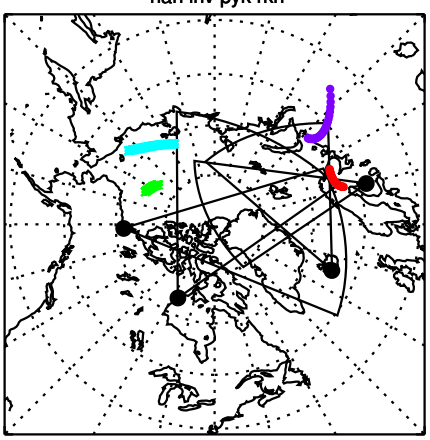
04–Jan–2013

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

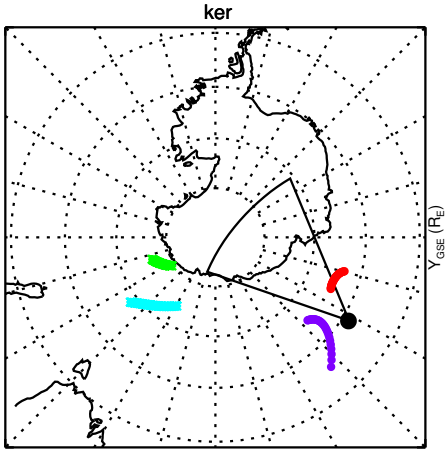


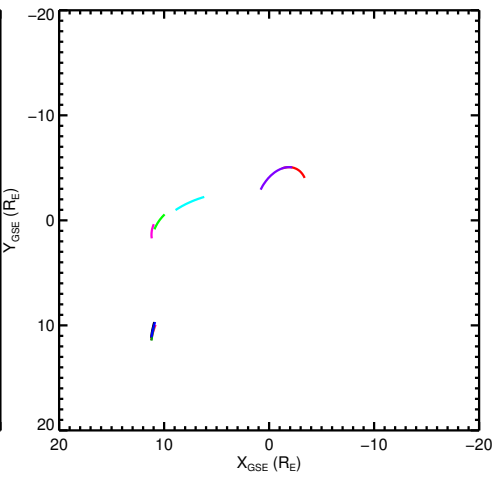


(a) 0000UT to 0235UT
han inv pyk rkn

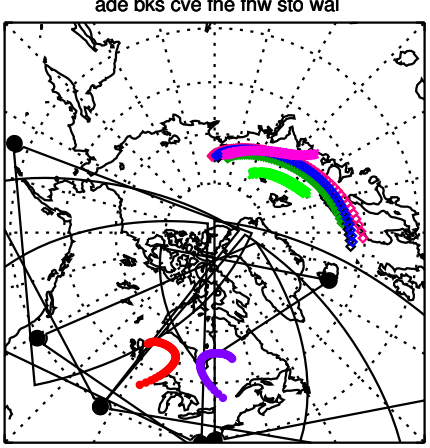


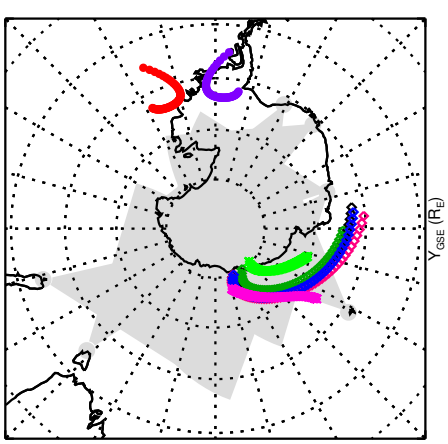
ker

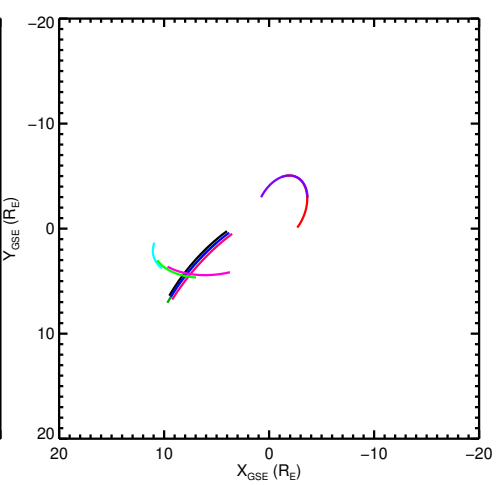


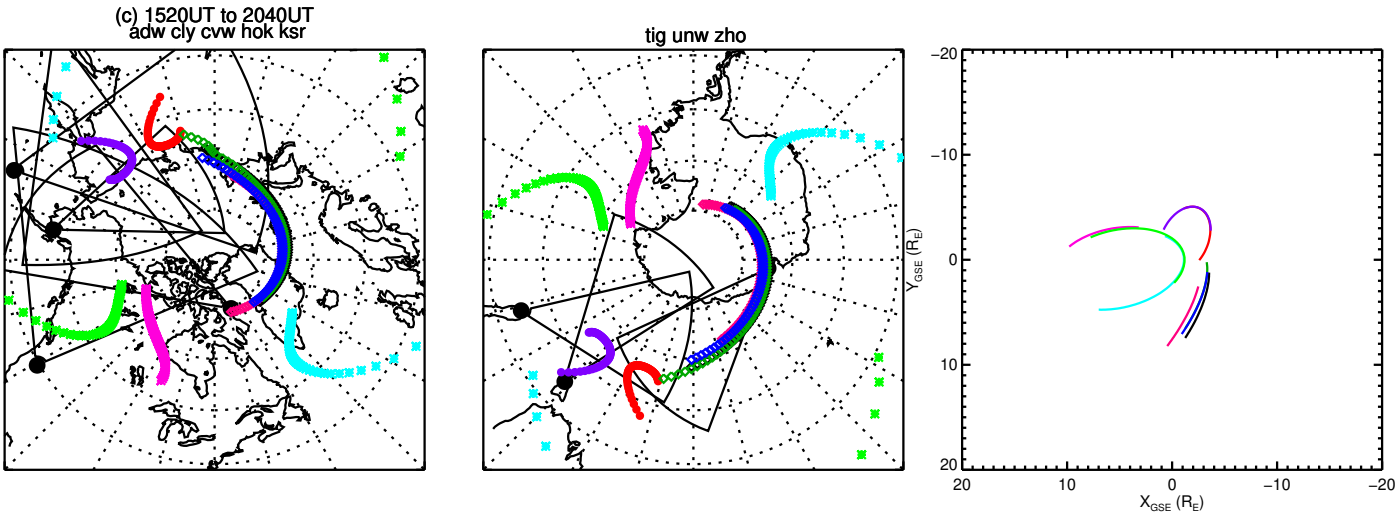


(b) 0625UT to 1135UT
ade bks cve fhe fhw sto wal





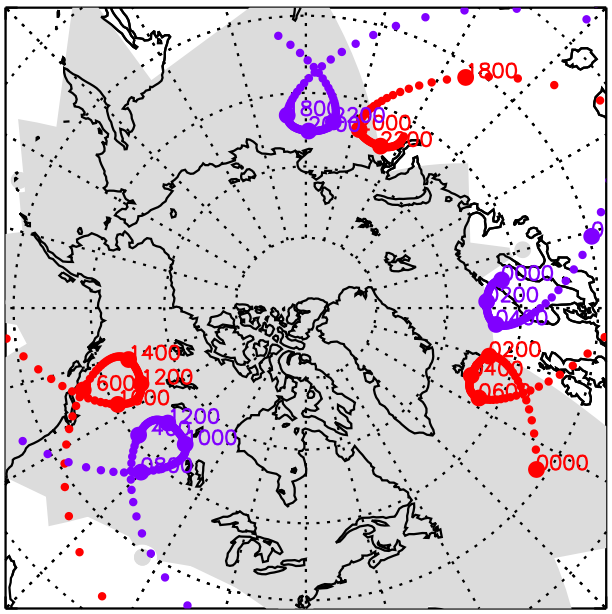


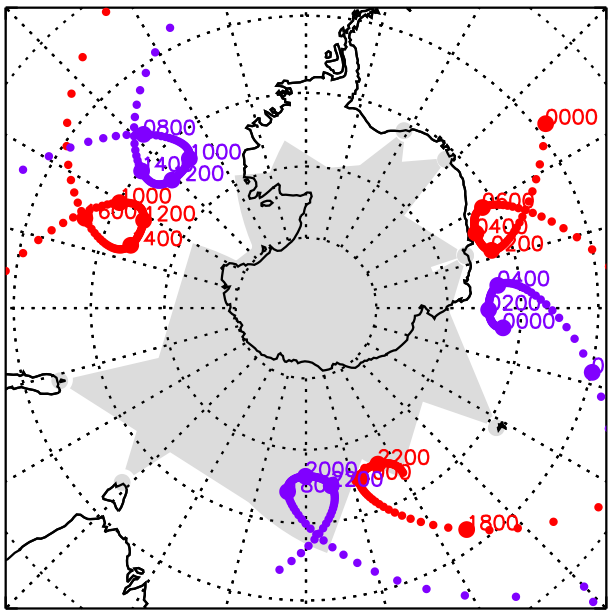

(c) 1520UT to 2040UT
adw cly cvw hok ksr
tig unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

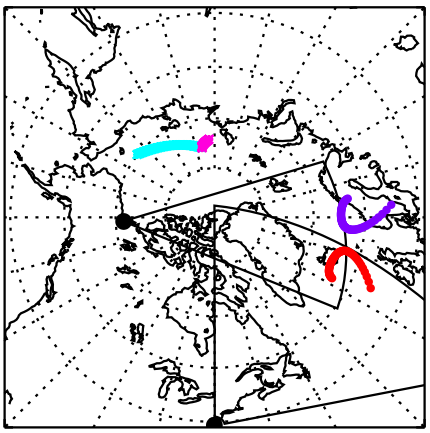
05–Jan–2013

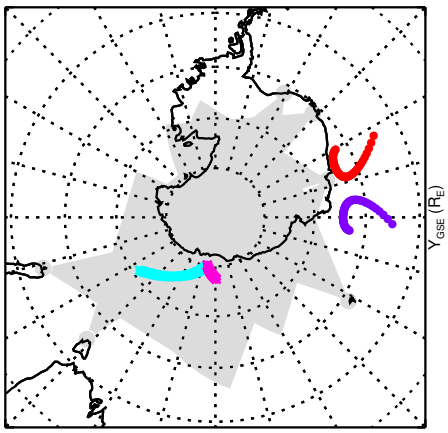
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

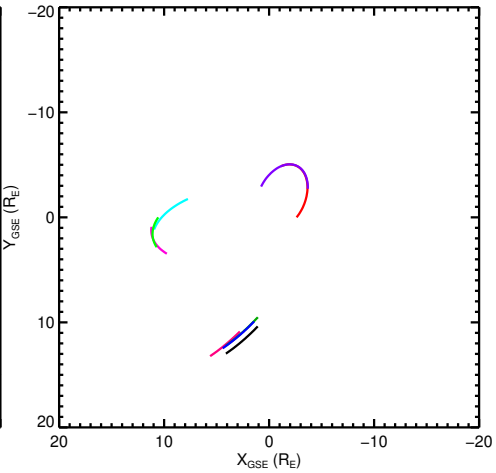




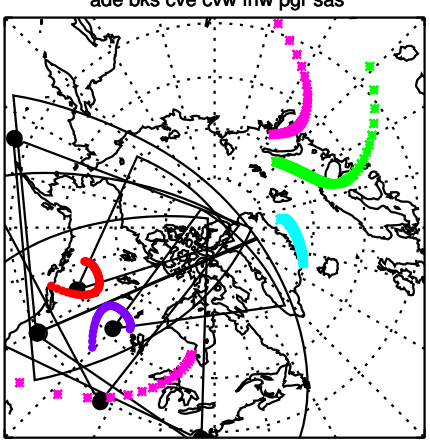
(a) 0020UT to 0540UT
inv wal

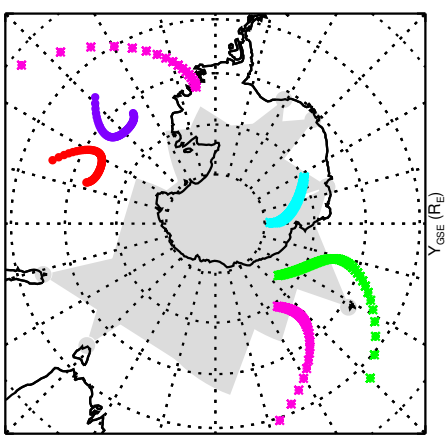


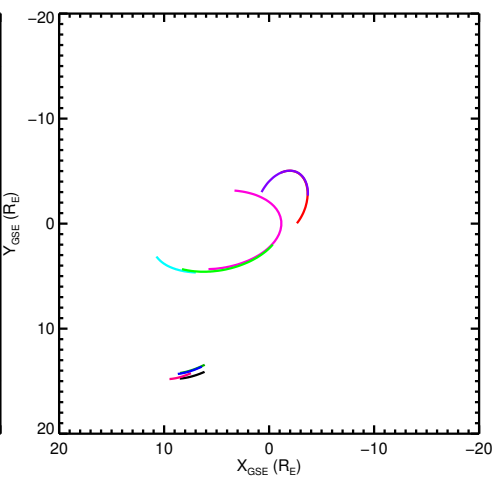


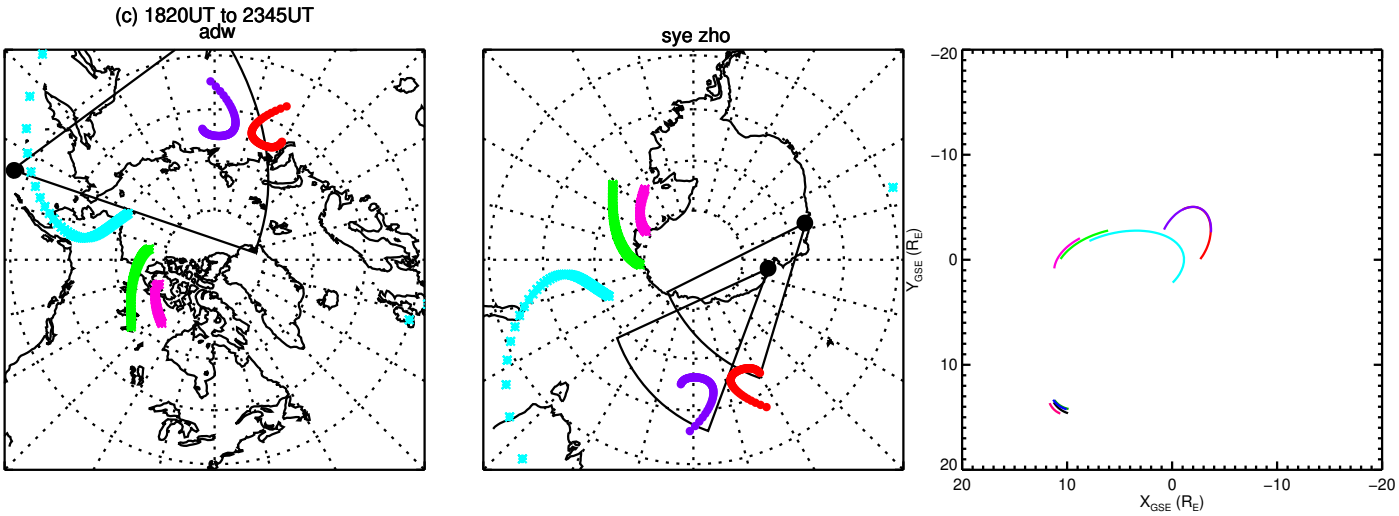


(b) 0920UT to 1440UT
ade bks cve cvw fhw pgr sas





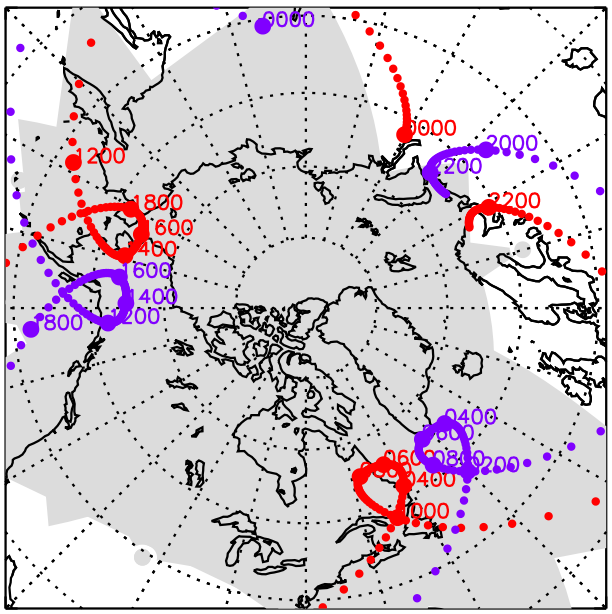


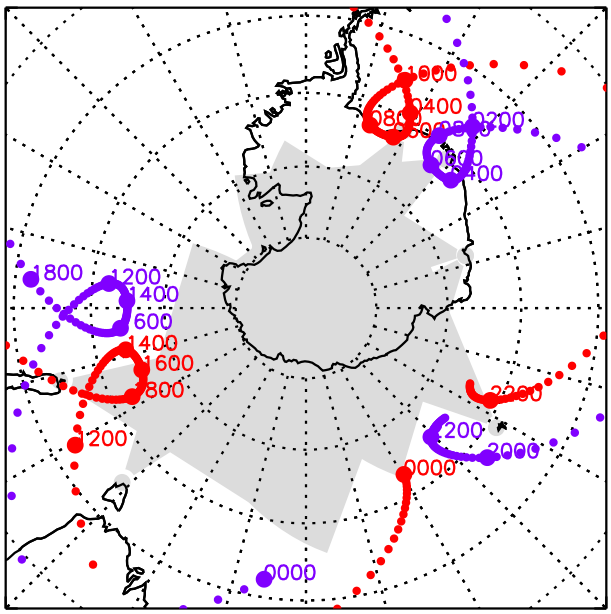

(c) 1820UT to 2345UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

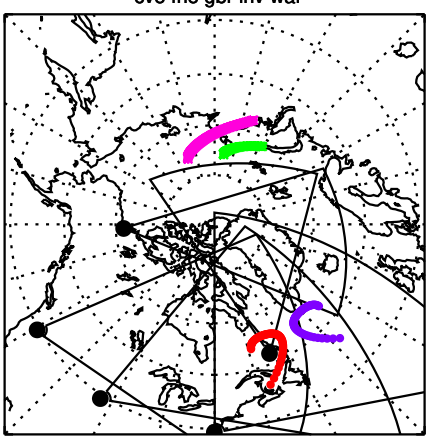
06–Jan–2013

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

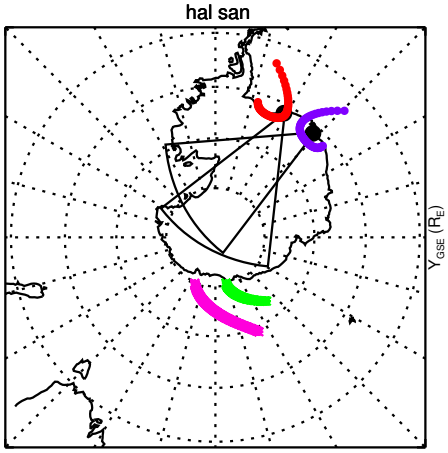


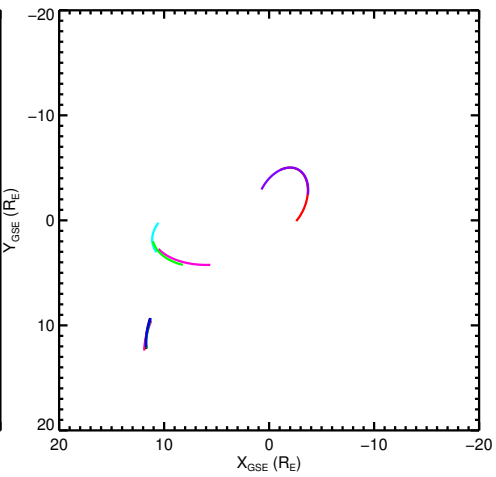


(a) 0315UT to 0845UT
cve fhe gbr inv wal

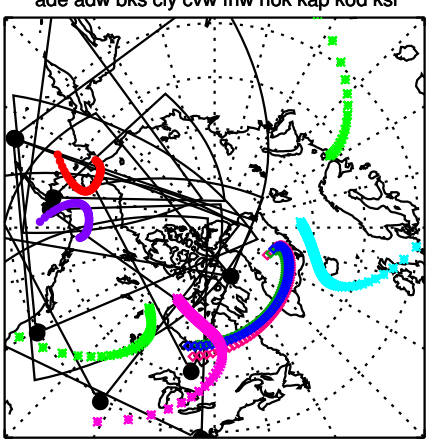


hal san

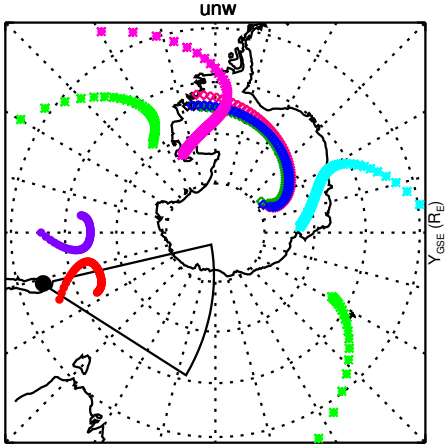


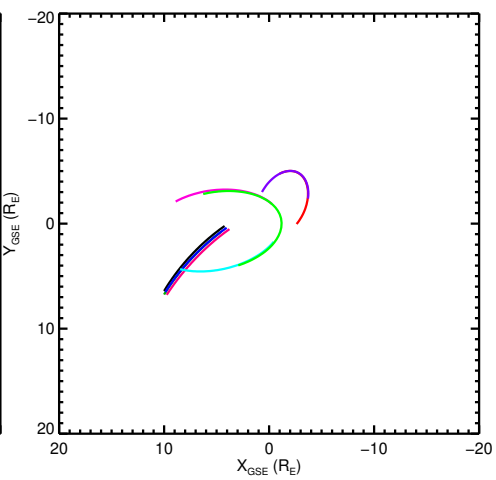


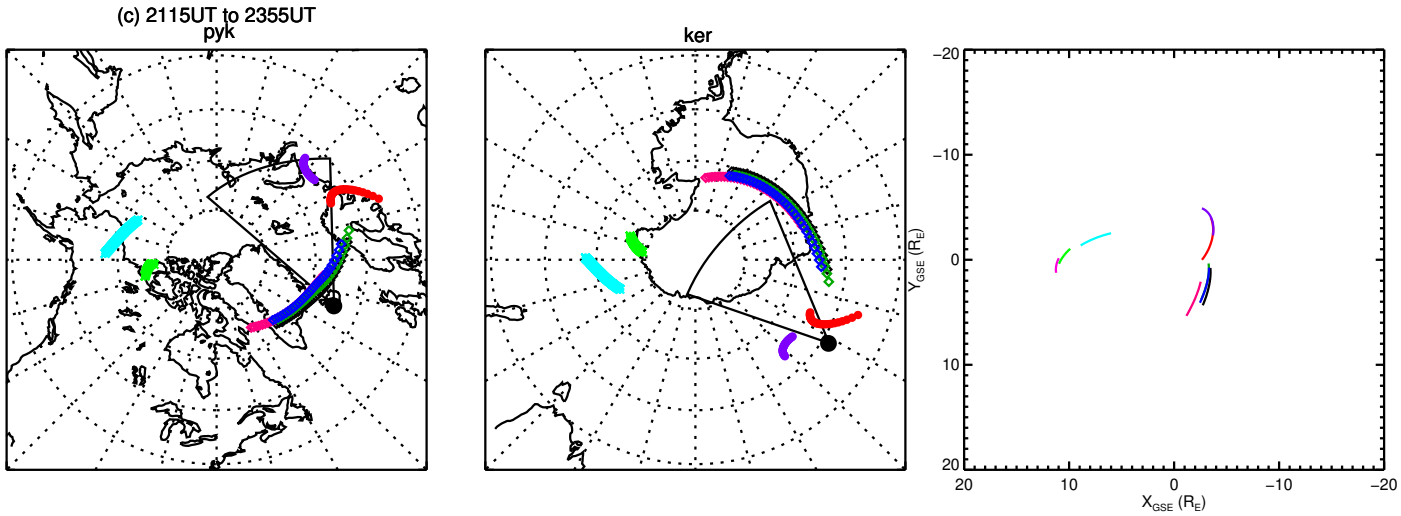
(b) 1215UT to 1745UT
ade adw bks cly cvw fhw hok kap kod ksr



unw



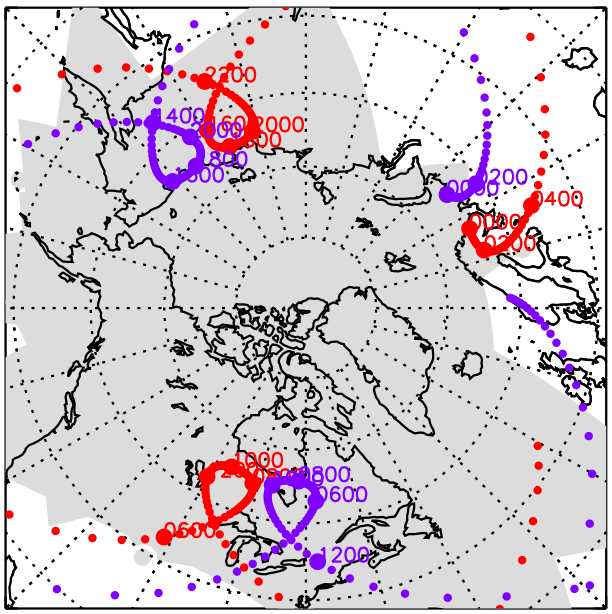


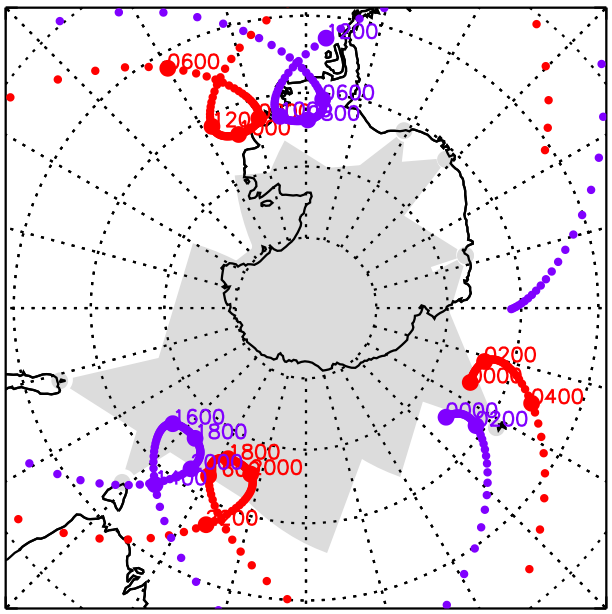

(c) 2115UT to 2355UT
pyk
ker
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

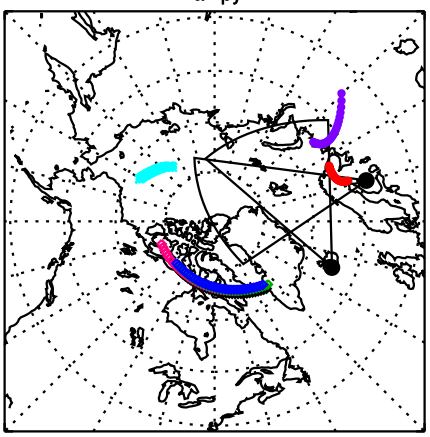
07–Jan–2013

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

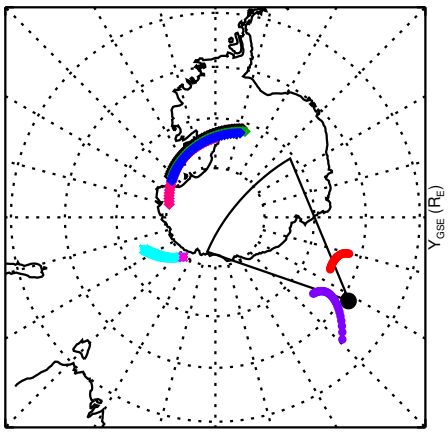


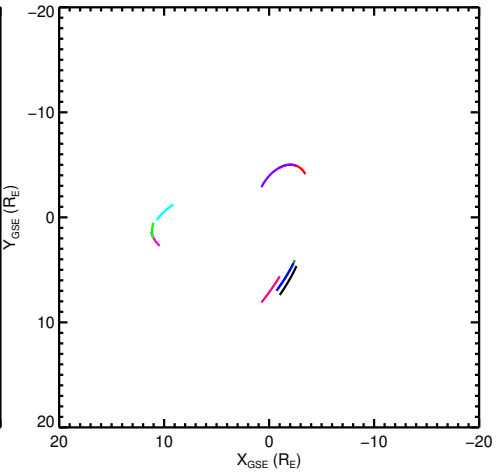


(a) 0000UT to 0250UT
han pyk

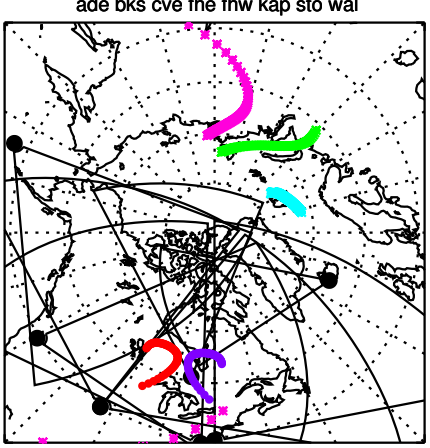


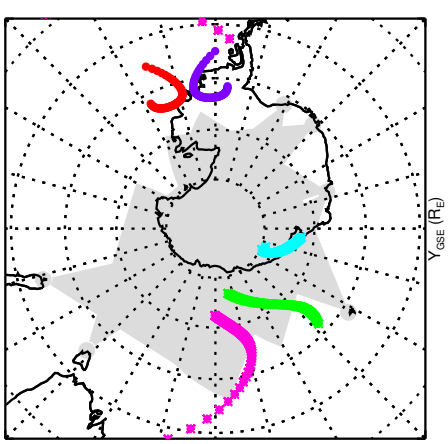
ker

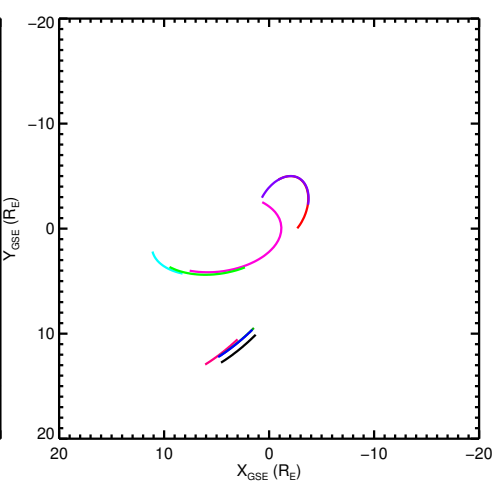


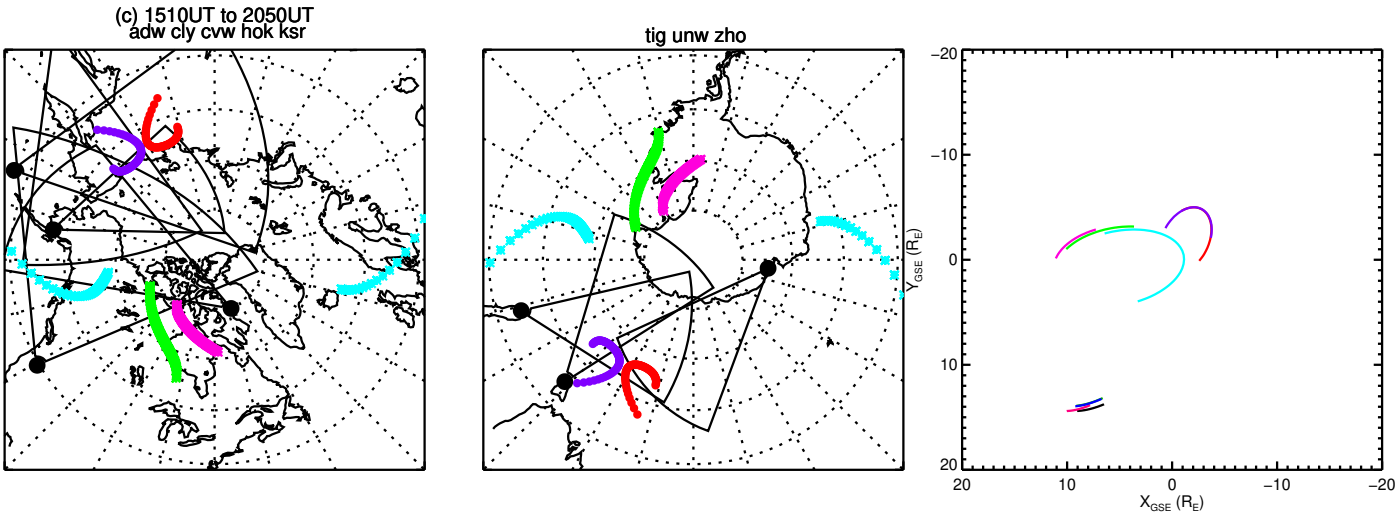


(b) 0615UT to 1150UT
ade bks cve fhe fhw kap sto wal





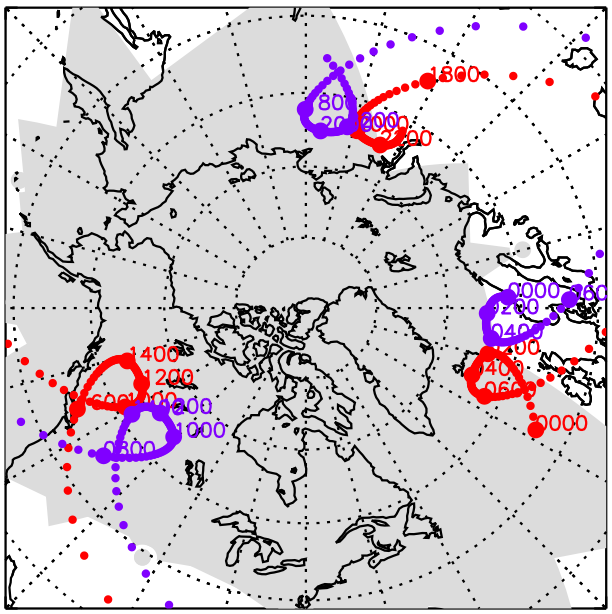


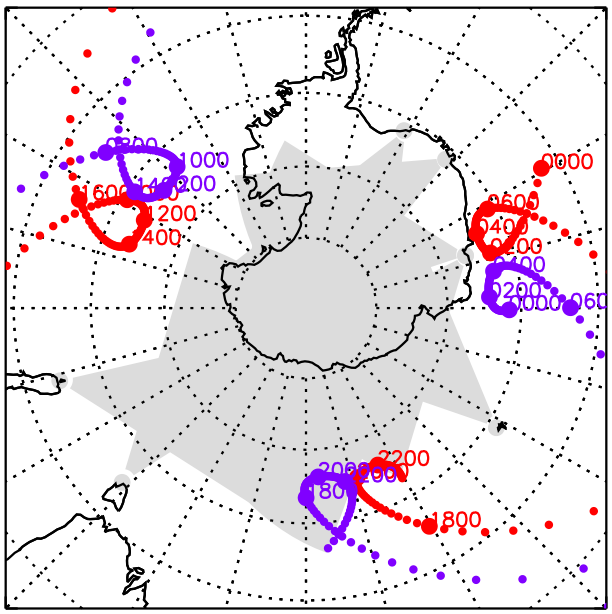

(c) 1510UT to 2050UT
adw cly cvw hok ksr
tig unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

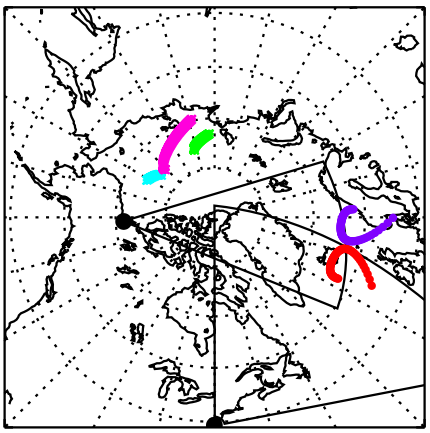
08–Jan–2013

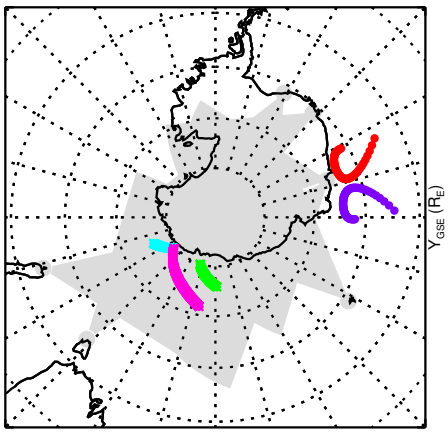
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

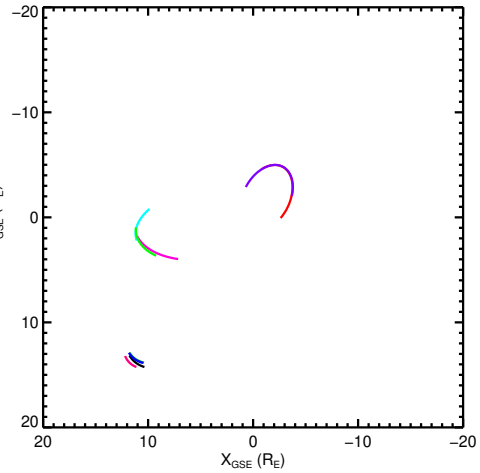




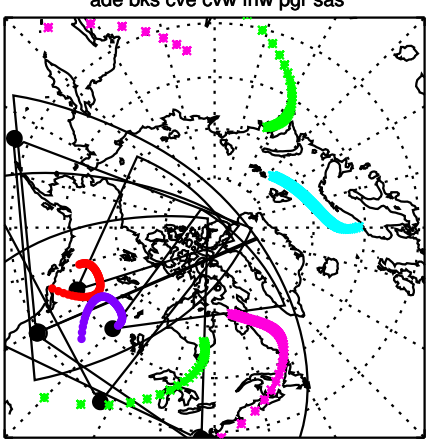
(a) 0010UT to 0555UT
inv wal

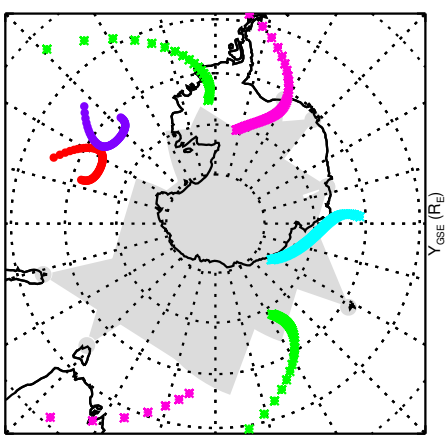


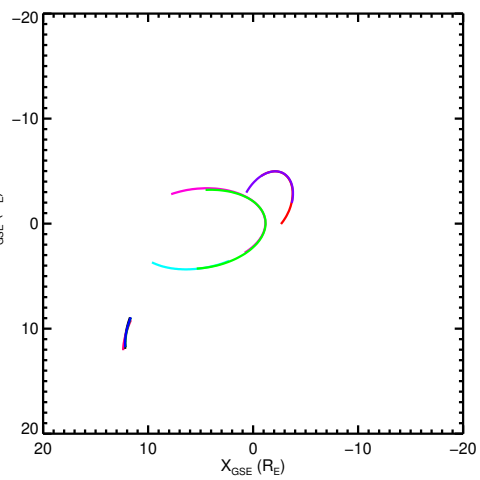


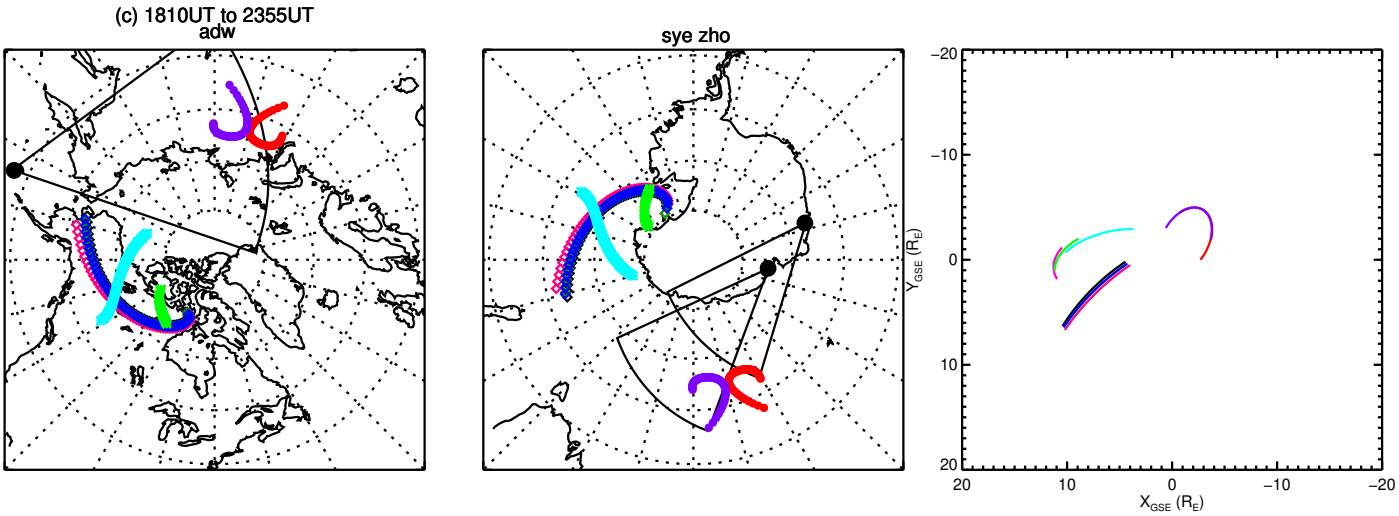


(b) 0910UT to 1455UT
ade bks cve cvw fhw pgr sas





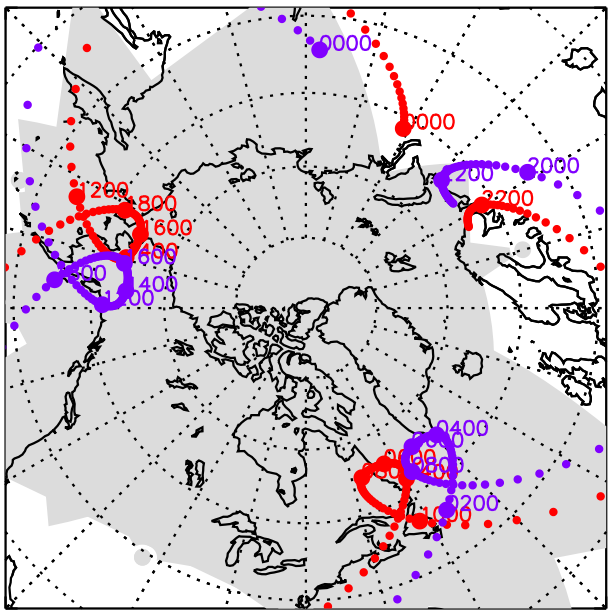


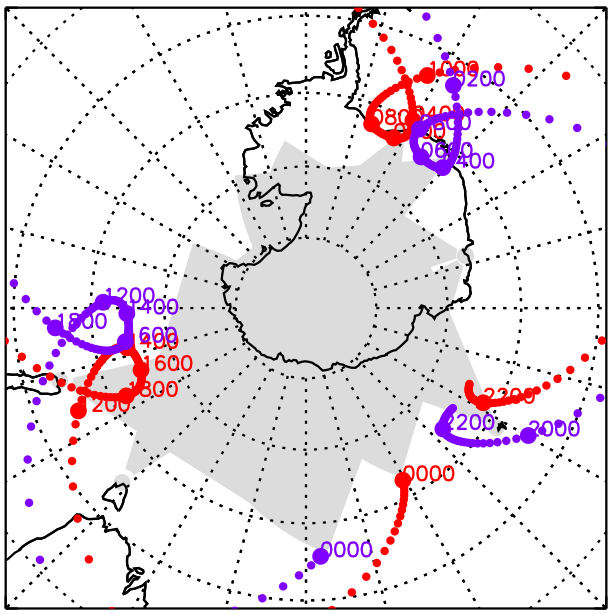

(c) 1810UT to 2355UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

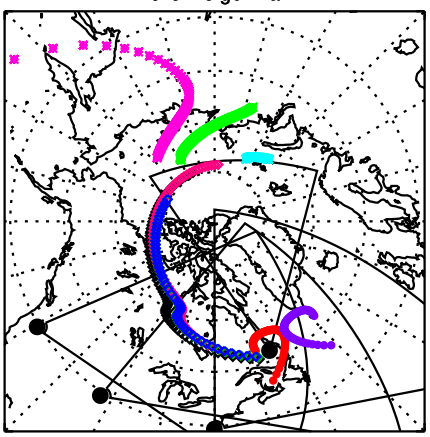
09–Jan–2013

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

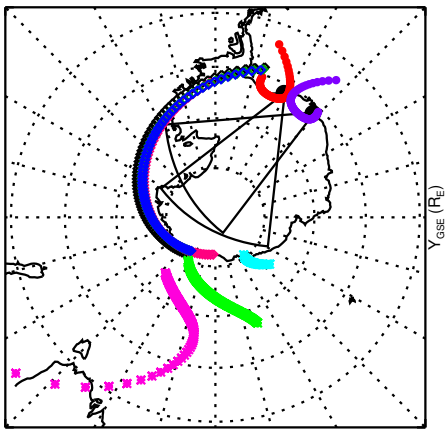


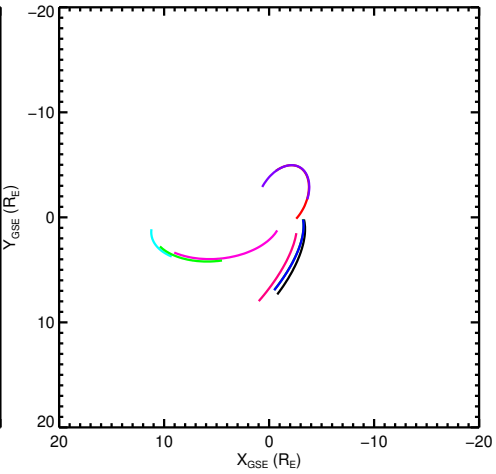


(a) 0305UT to 0900UT
cve fhe gbr wal

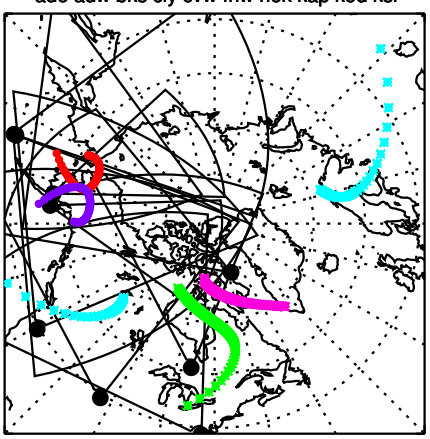


hal san

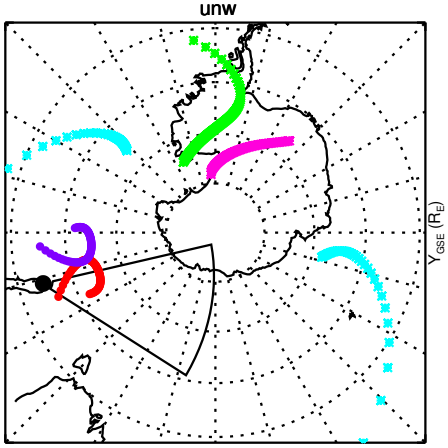


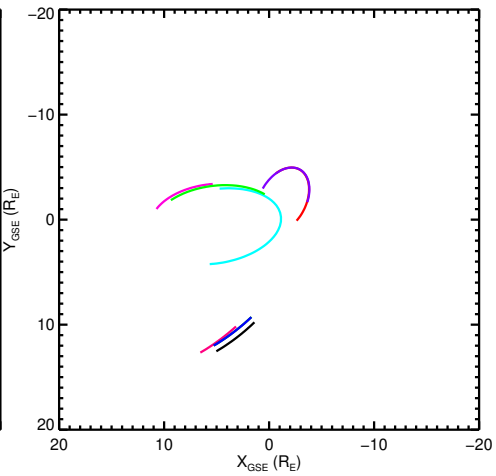


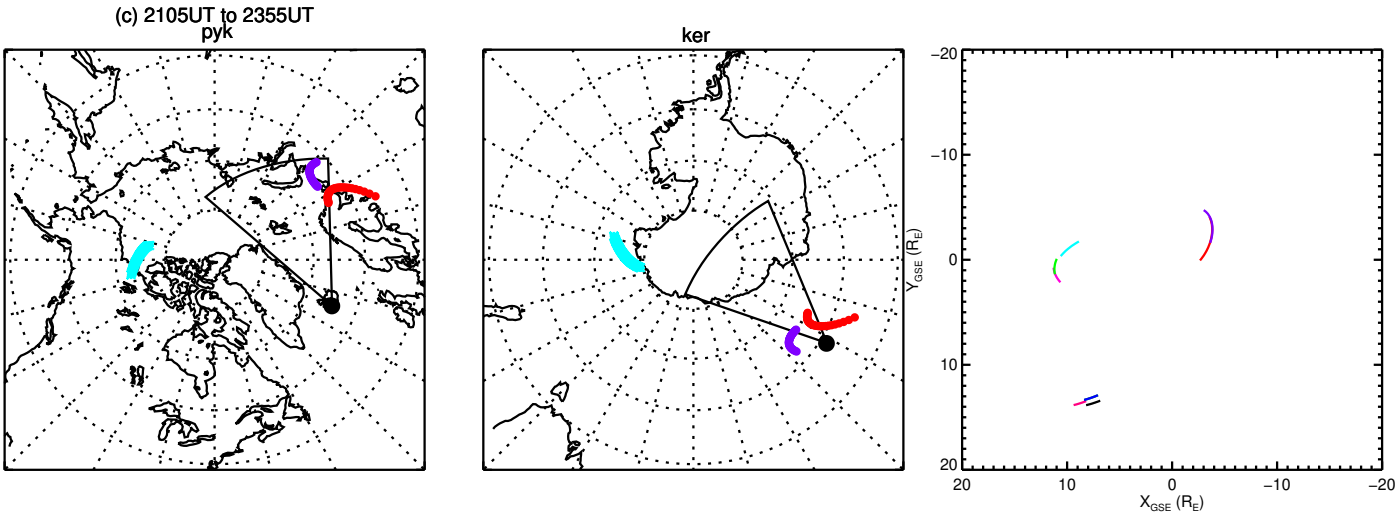
(b) 1205UT to 1800UT
ade adw bks cly cvw fhw hok kap kod ksr



unw



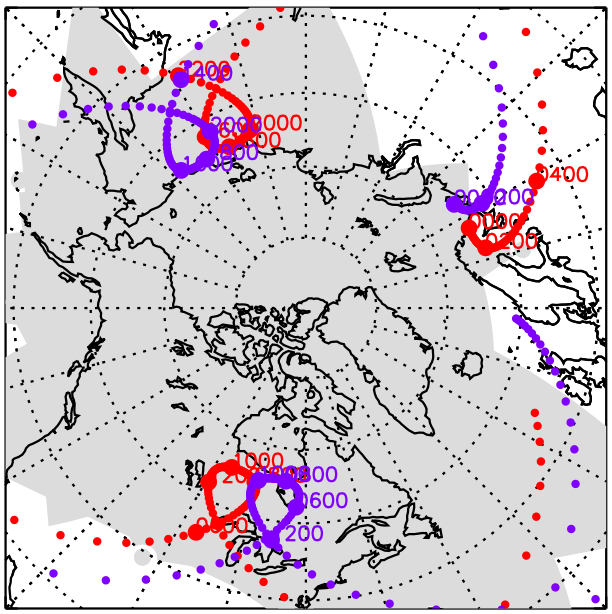


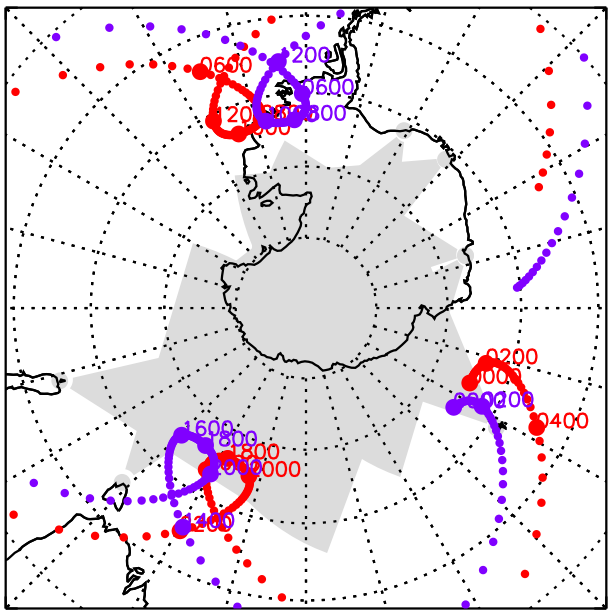

(c) 2105UT to 2355UT
pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

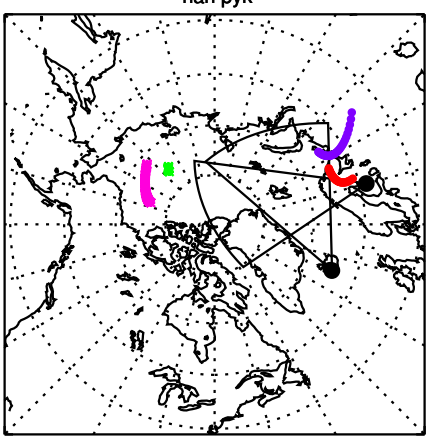
10–Jan–2013

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

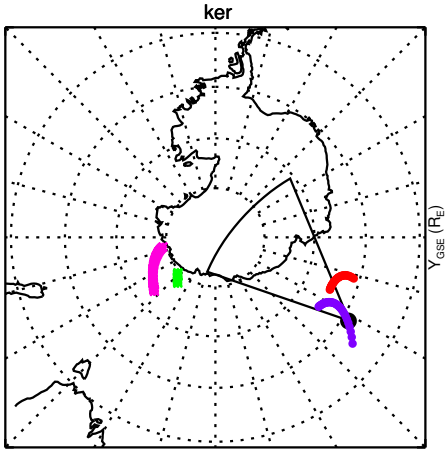


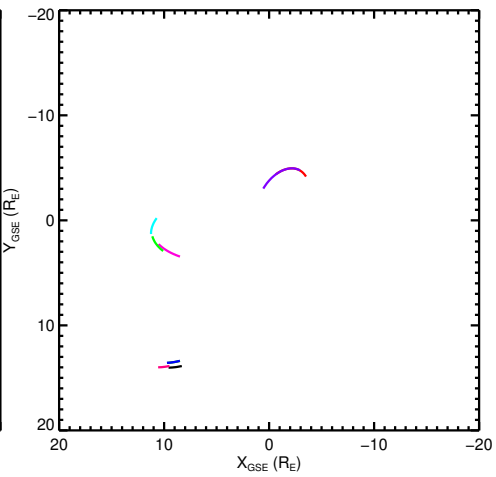


(a) 0000UT to 0300UT
han pyk

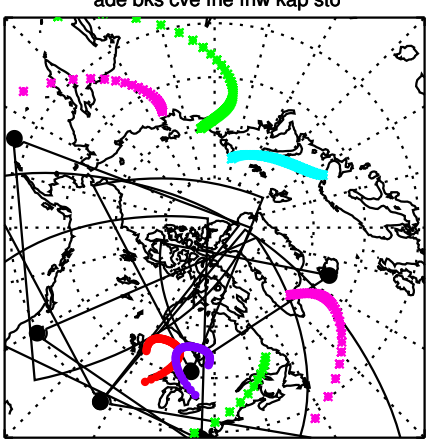


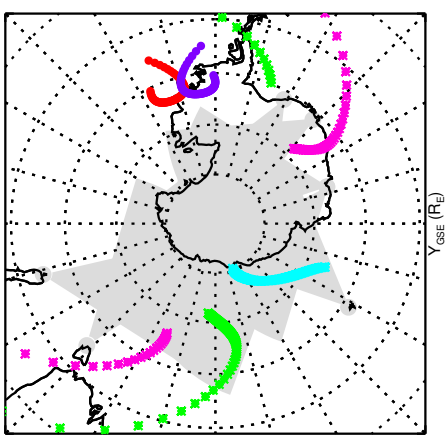
ker

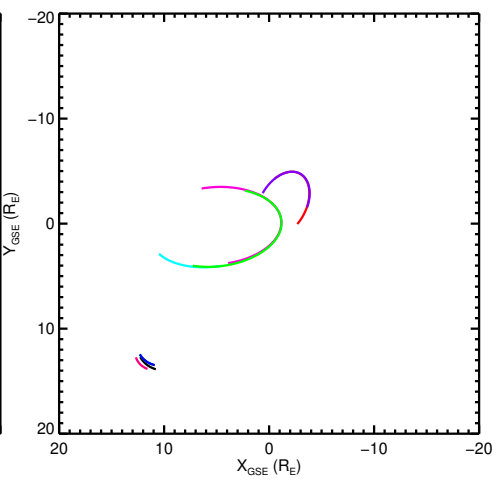


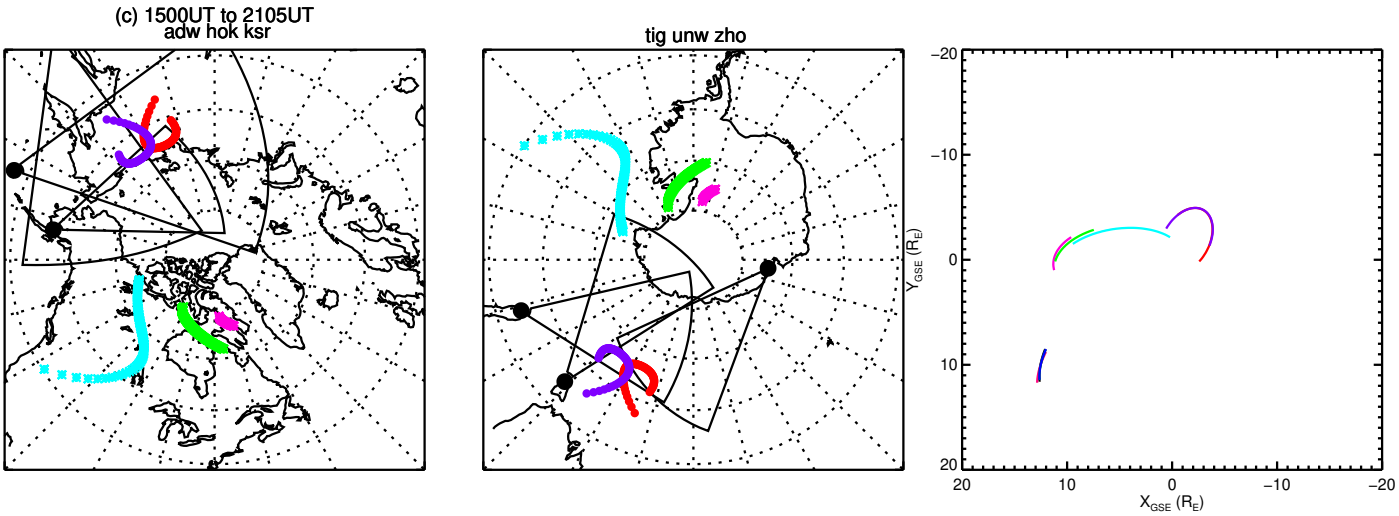


(b) 0605UT to 1205UT
ade bks cve fhe fhw kap sto





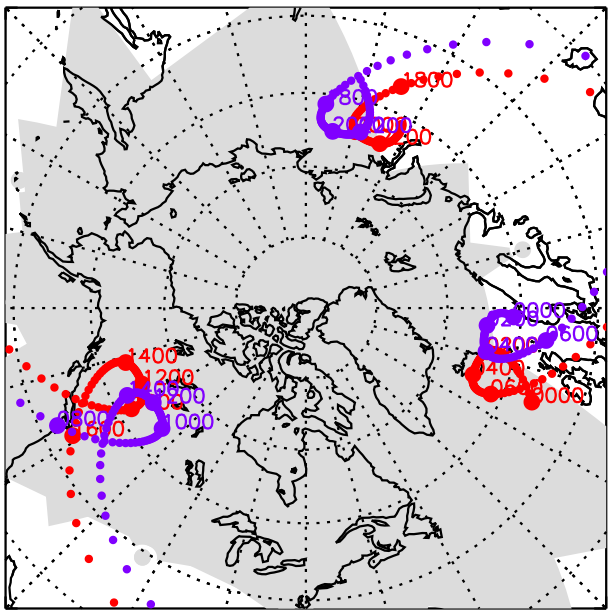


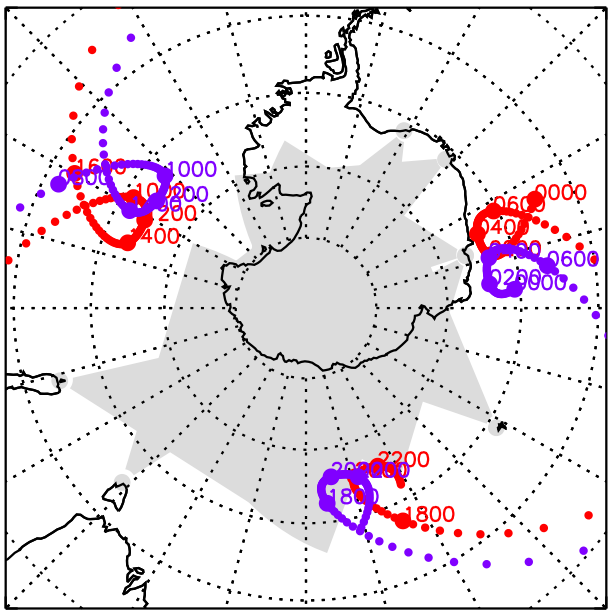

(c) 1500UT to 2105UT
adw hok ksr
tig unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

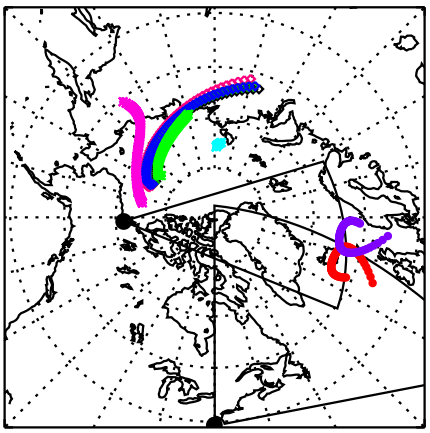
11–Jan–2013

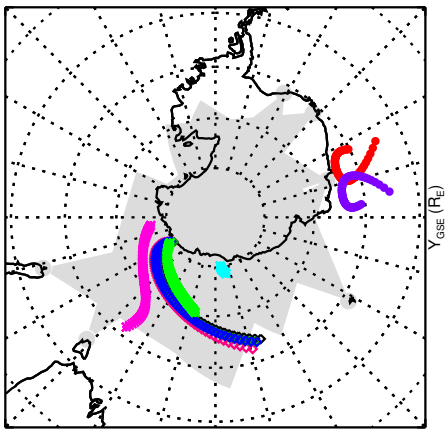
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

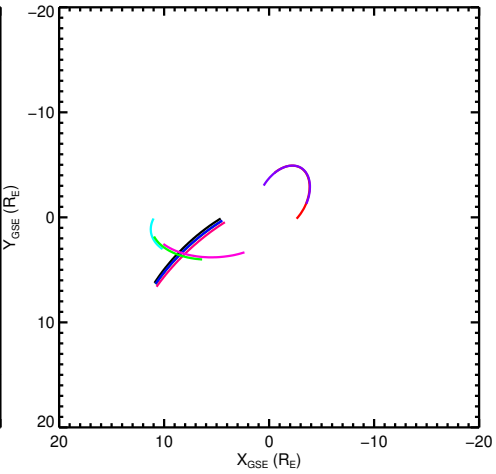




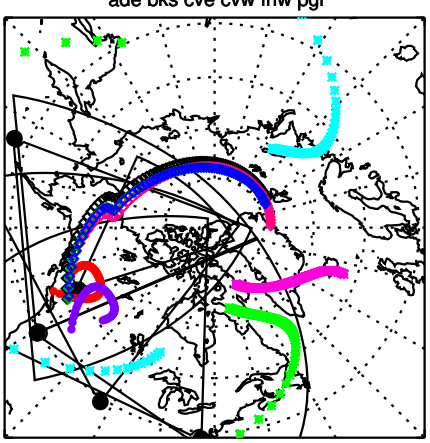
(a) 0000UT to 0605UT
inv wal

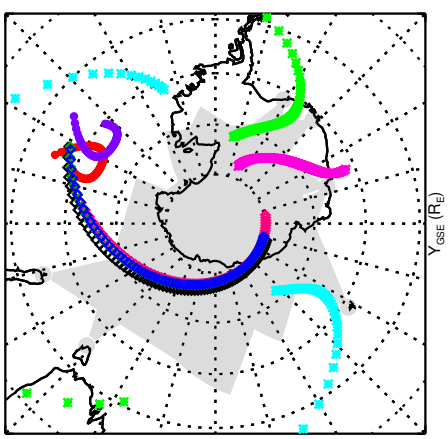


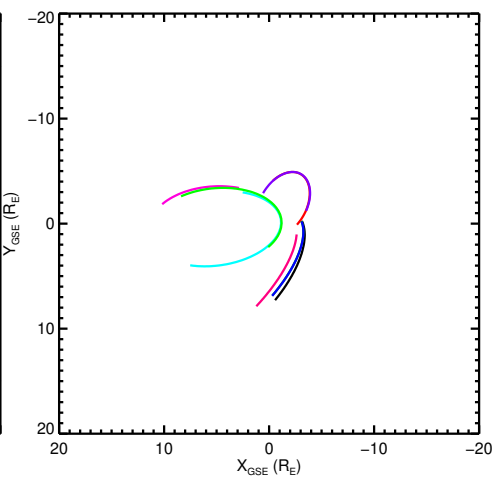


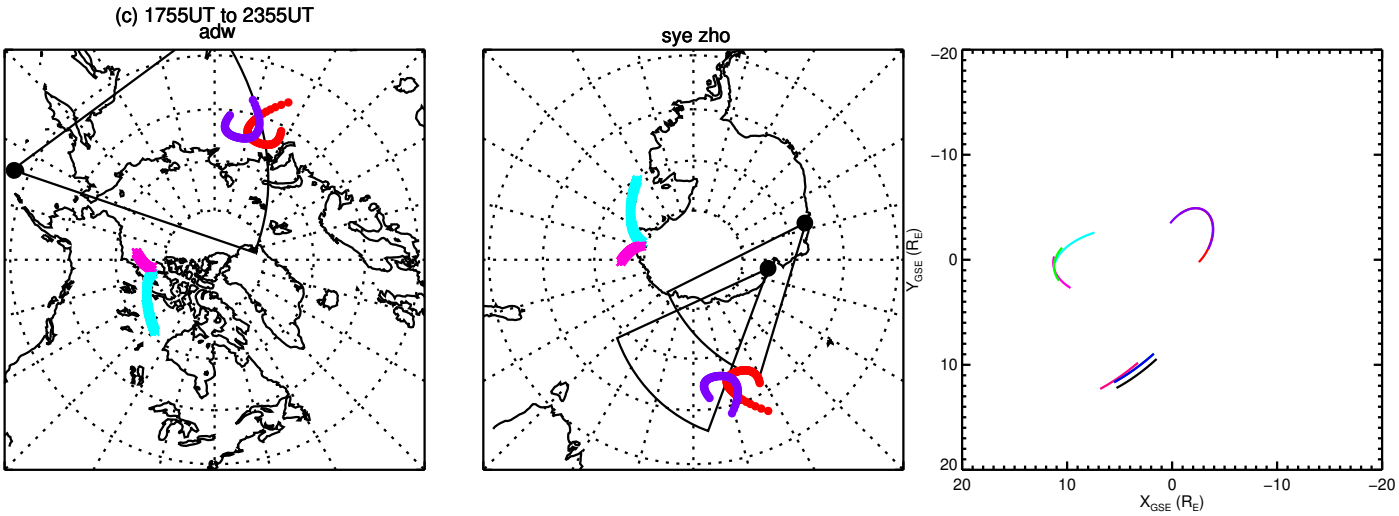


(b) 0900UT to 1510UT
ade bks cve cvw fhw pgr





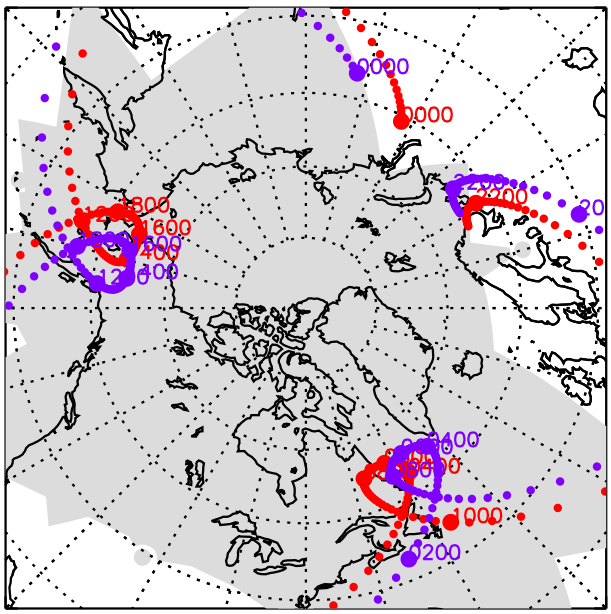


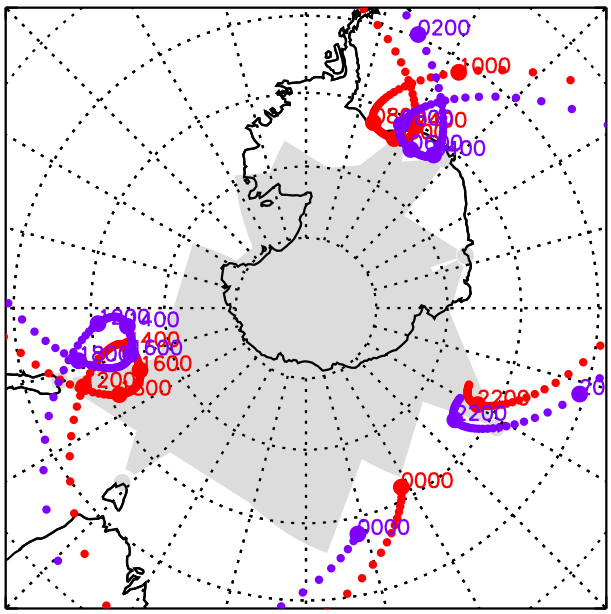

(c) 1755UT to 2355UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

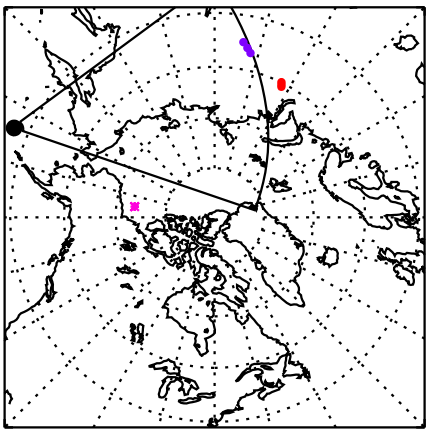
12–Jan–2013

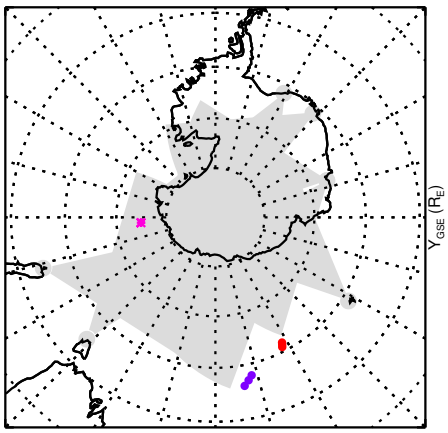
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

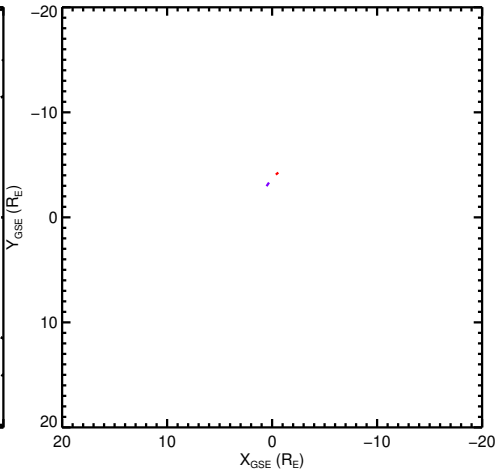




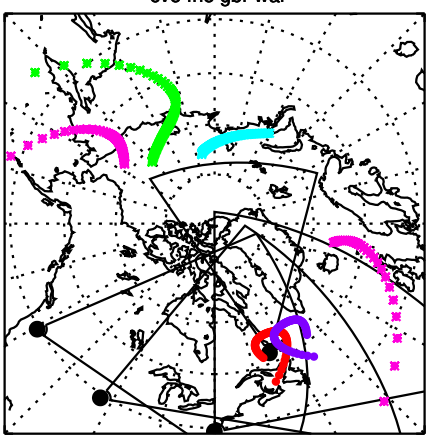
(a) 0000UT to 0010UT
adw



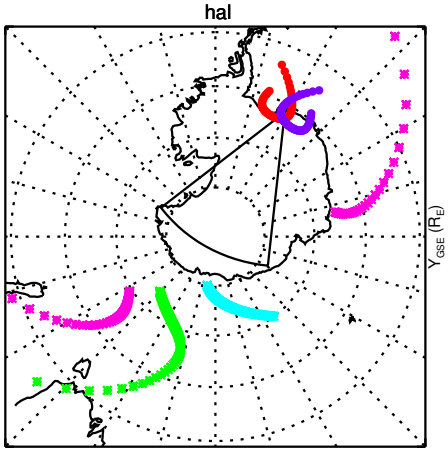


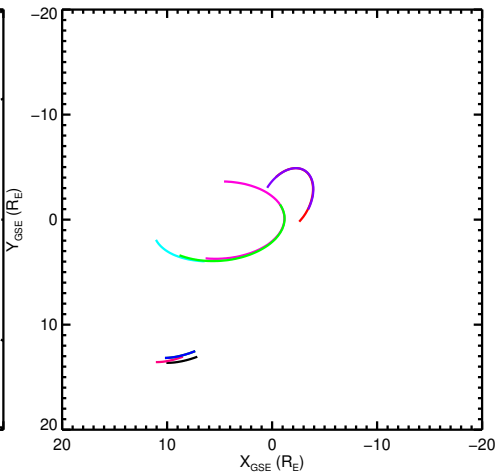


(b) 0255UT to 0910UT
cve fhe gbr wal

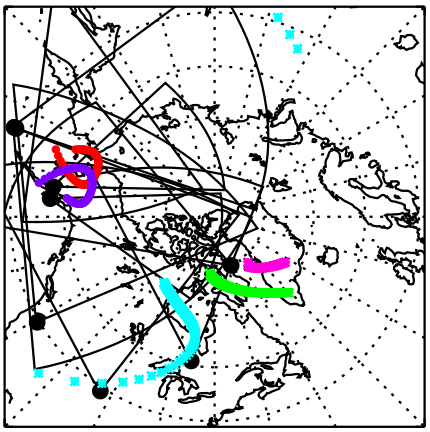


hal

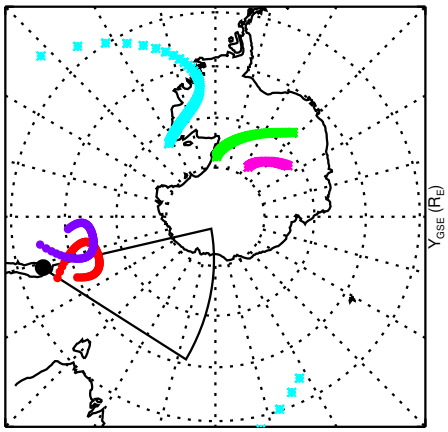


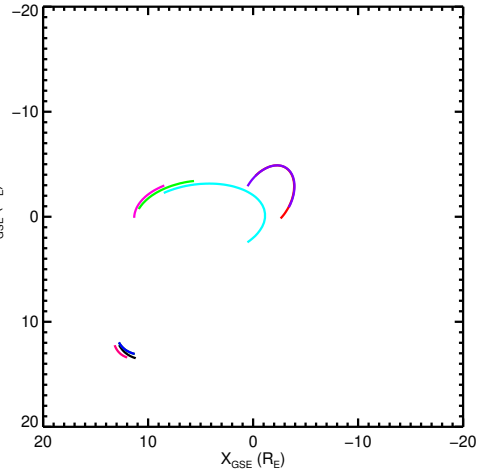


(c) 1155UT to 1815UT
ade adw cly cvw fhw hok kap kod ksr

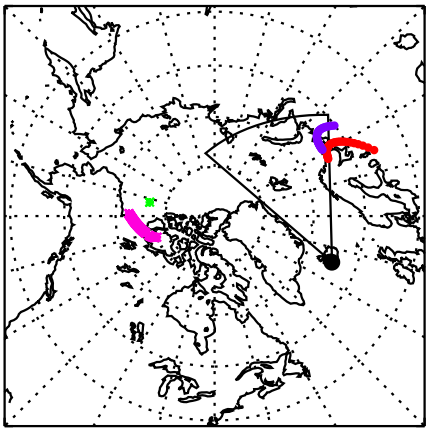


unw

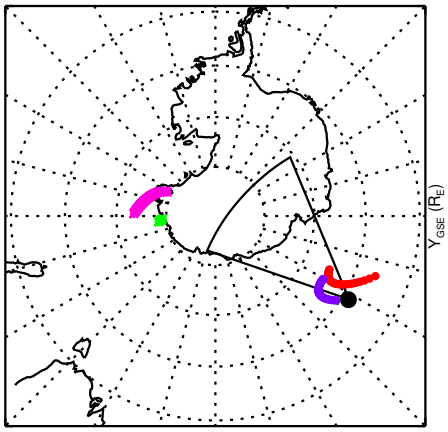


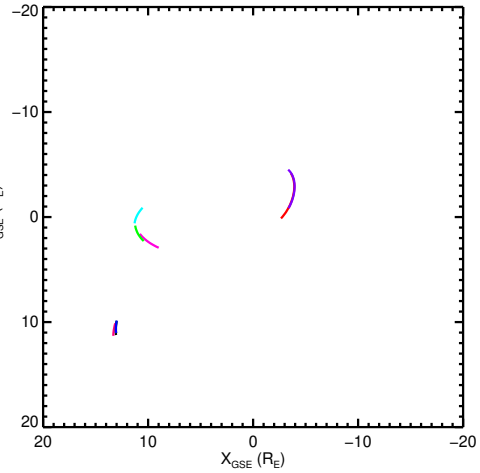


(d) 2055UT to 2355UT
pyk



ker

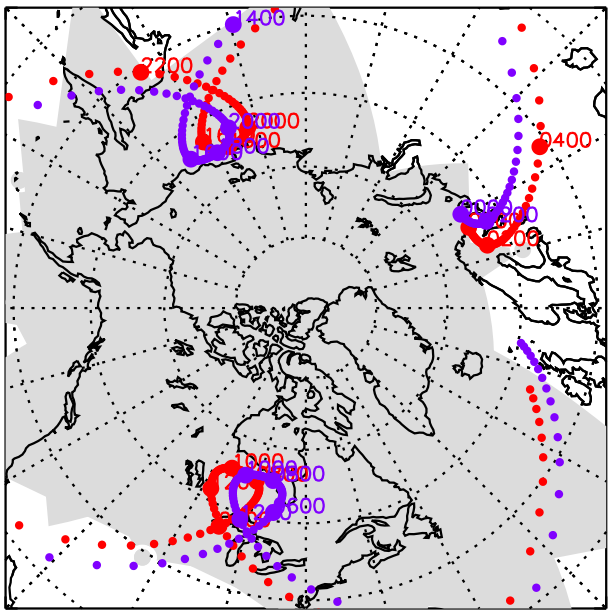


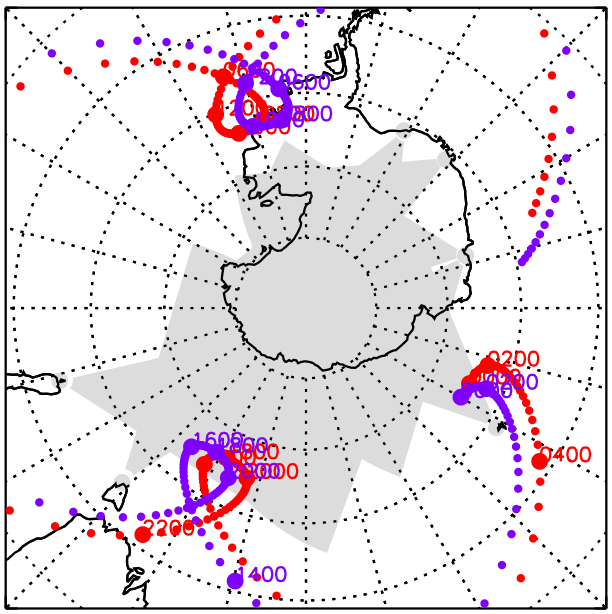


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

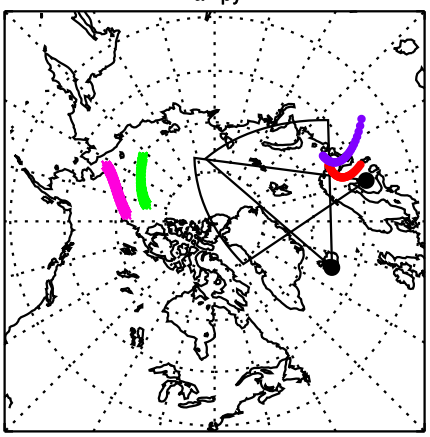
13–Jan–2013

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

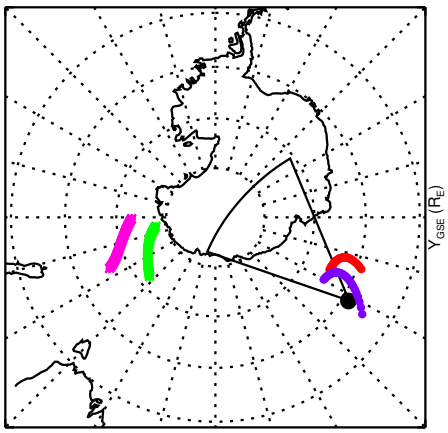


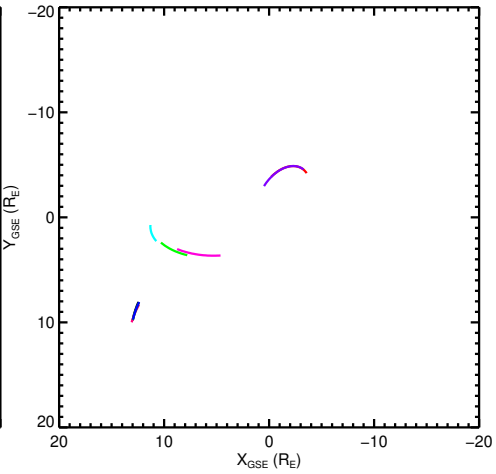


(a) 0000UT to 0315UT
han pyk

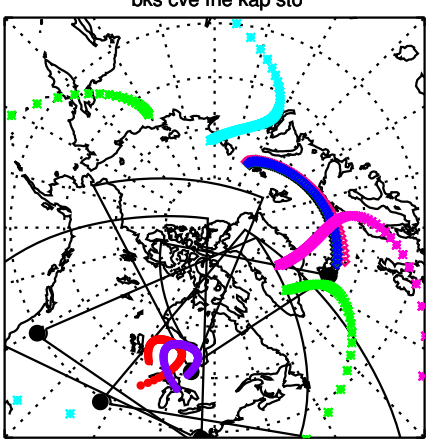


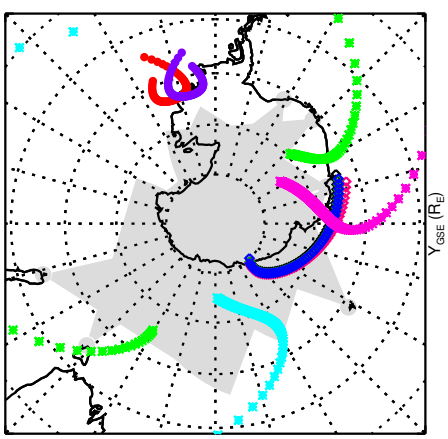
ker

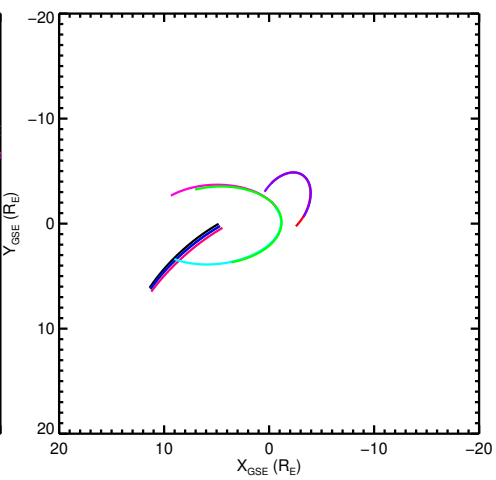




(b) 0550UT to 1215UT
bks cve fhe kap sto

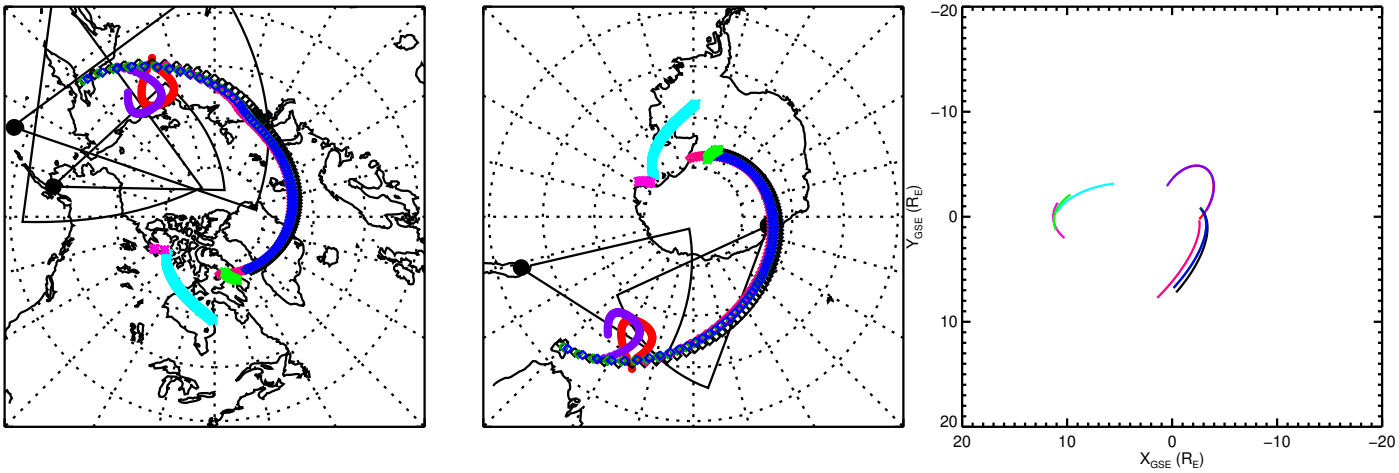




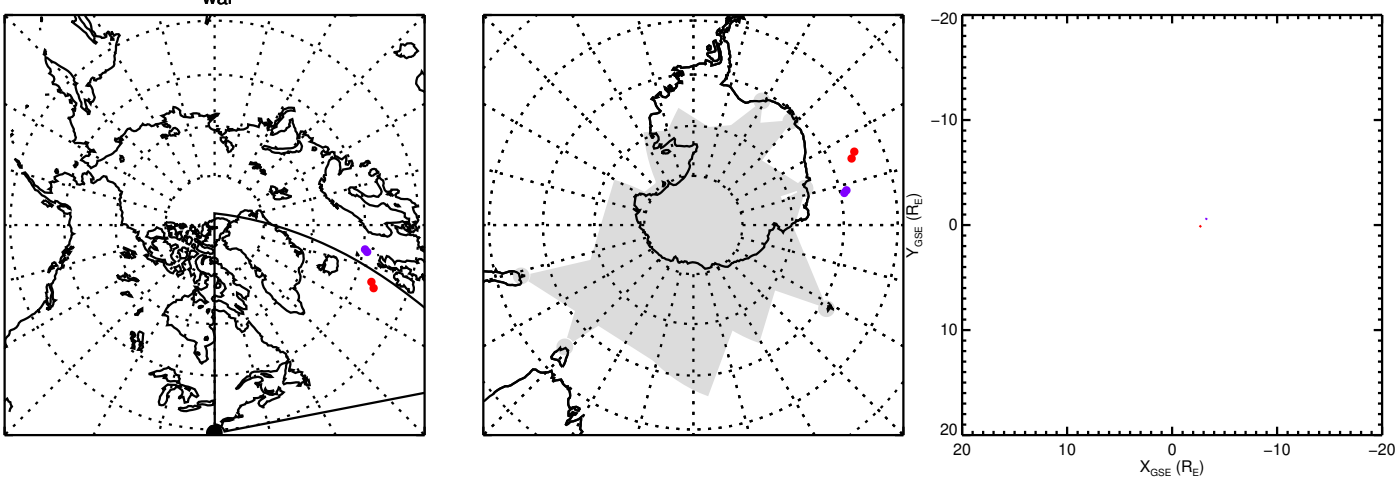


(c) 1450UT to 2120UT
adw hok ksr

unw zho



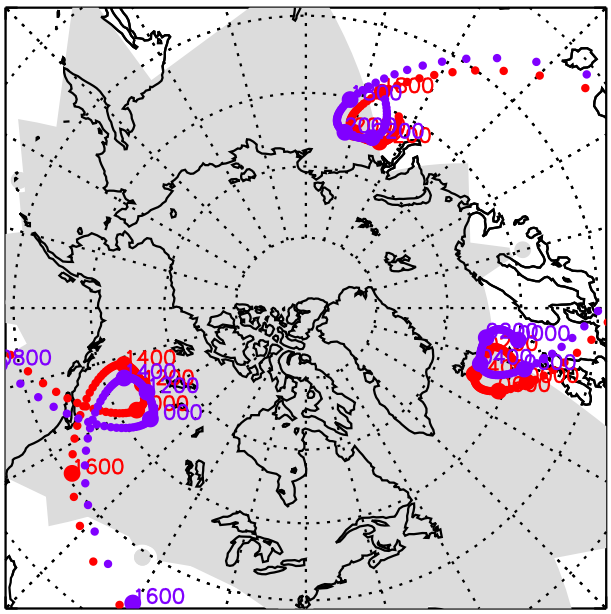
(d) 2350UT to 2355UT
wal

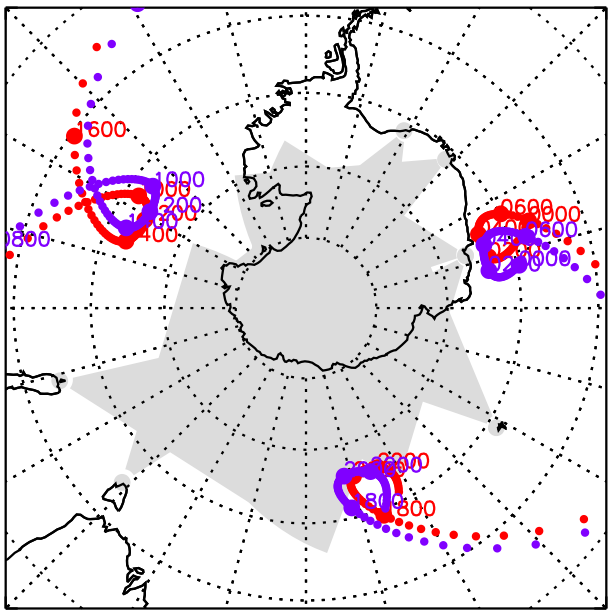


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

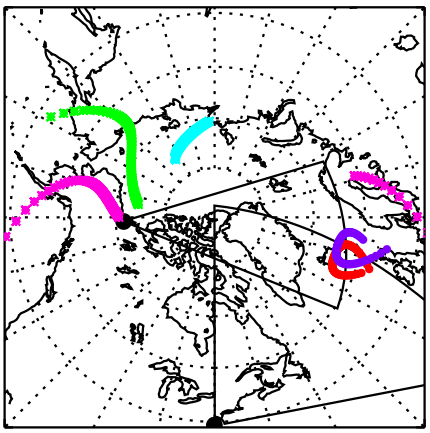
14–Jan–2013

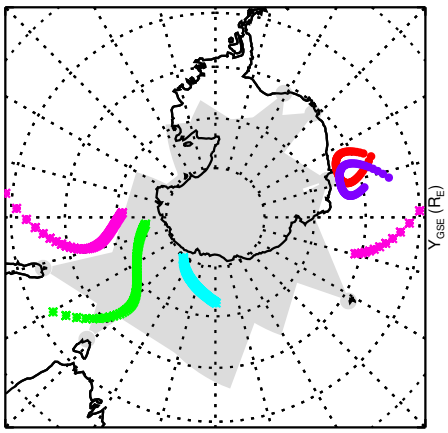
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

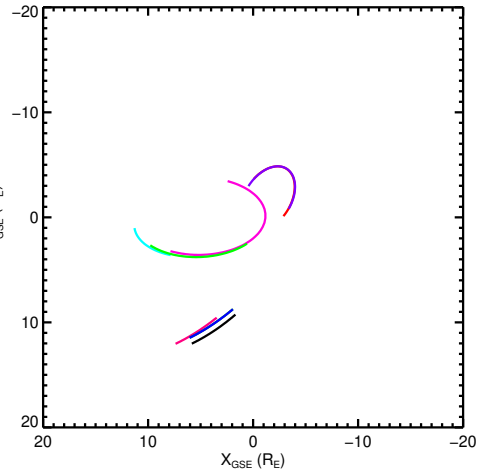




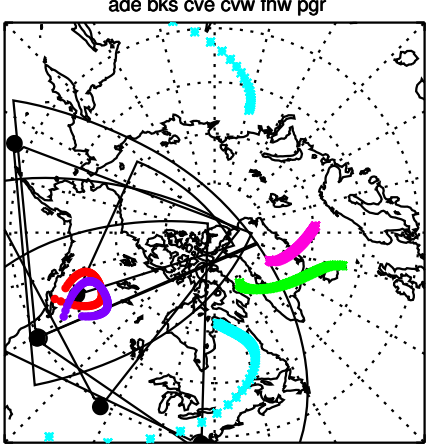
(a) 0000UT to 0620UT
inv wal

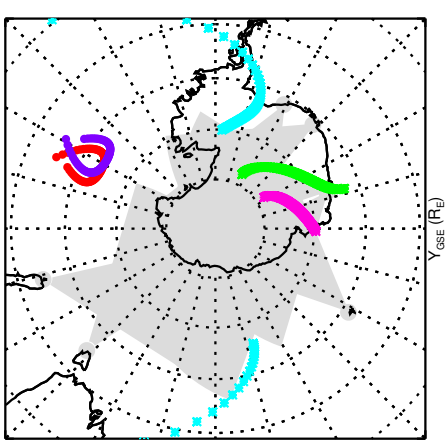


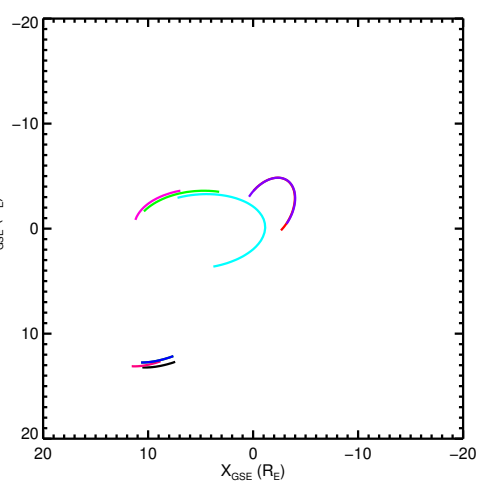


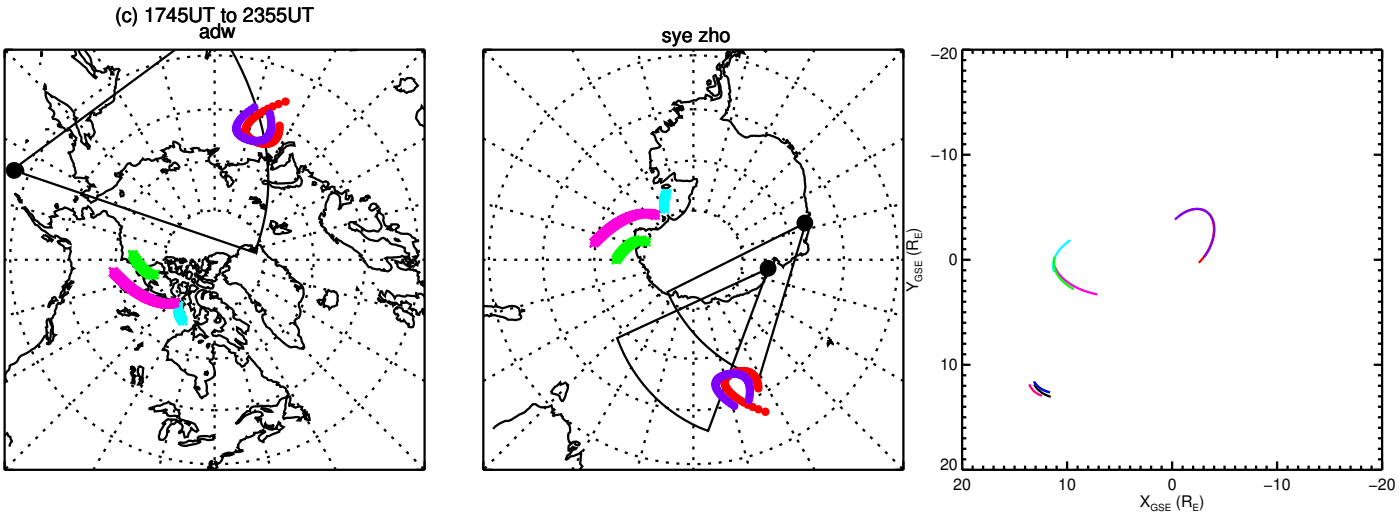


(b) 0850UT to 1520UT
ade bks cve cvw fhw pgr





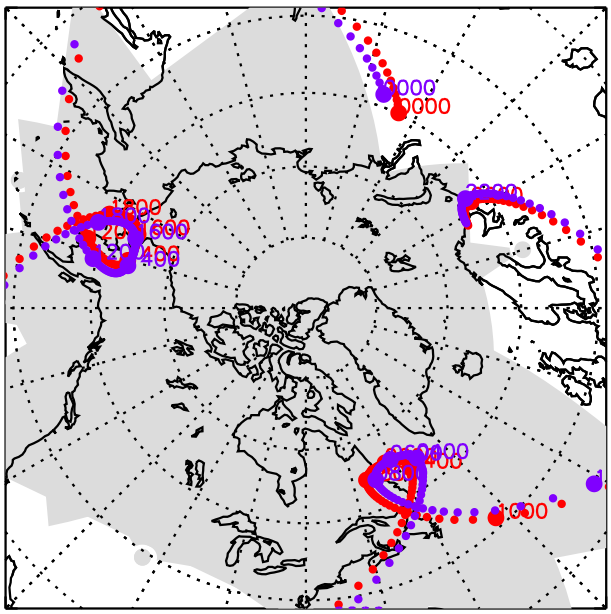


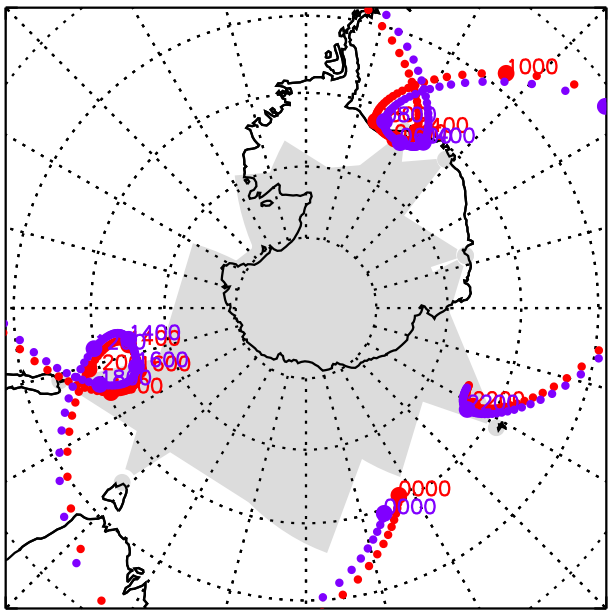

(c) 1745UT to 2355UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

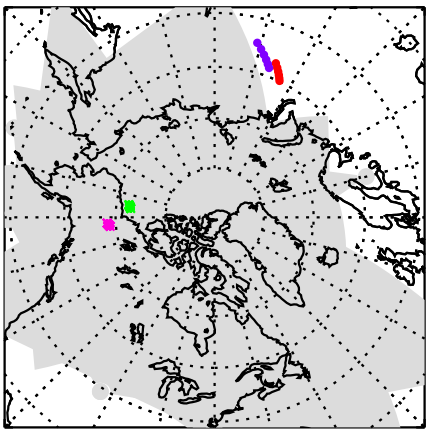
15–Jan–2013

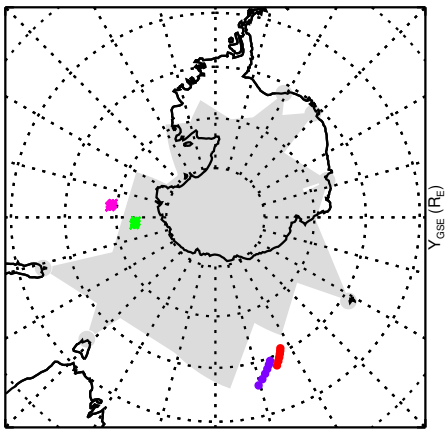
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

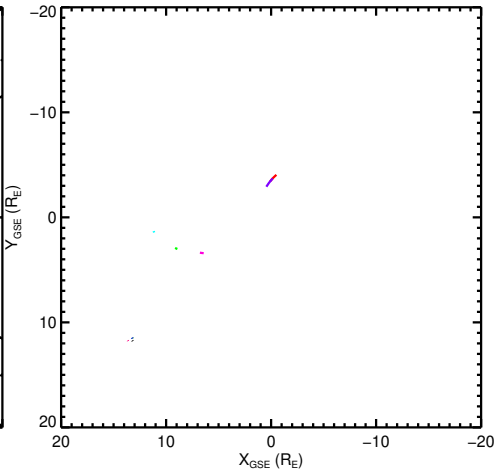




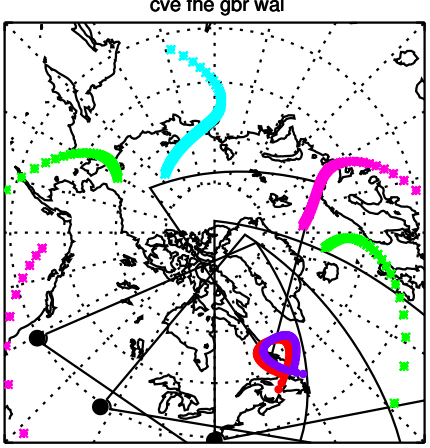
(a) 0000UT to 0025UT



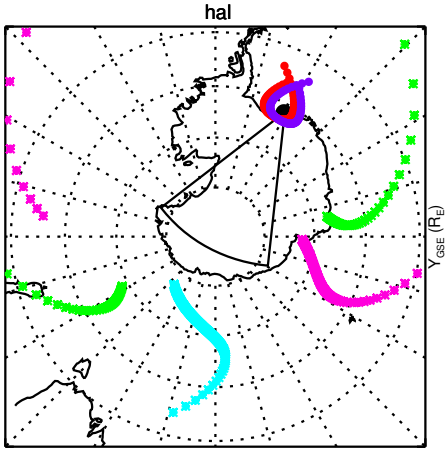


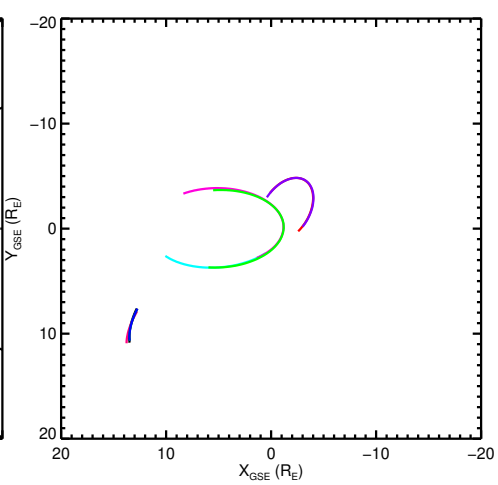


(b) 0245UT to 0925UT
cve fhe gbr wal

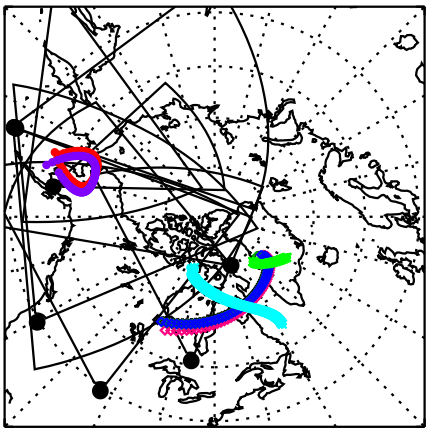


hal

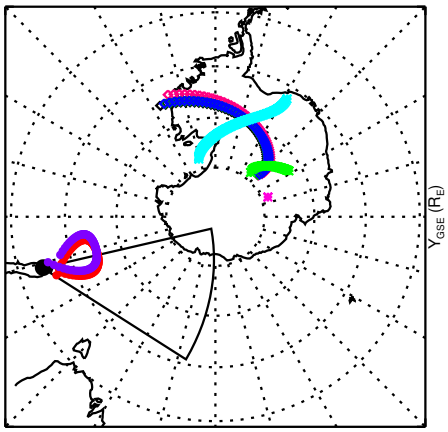


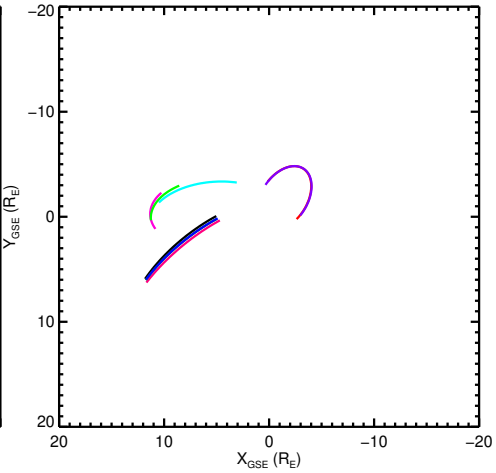


(c) 1145UT to 1825UT
ade adw cly cvw fhw hok kap ksr

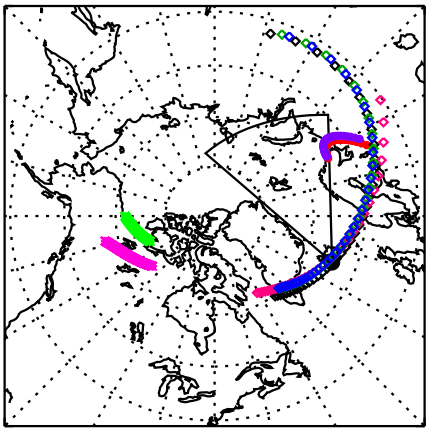


unw

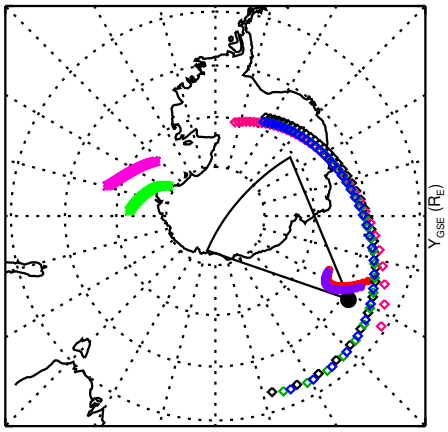


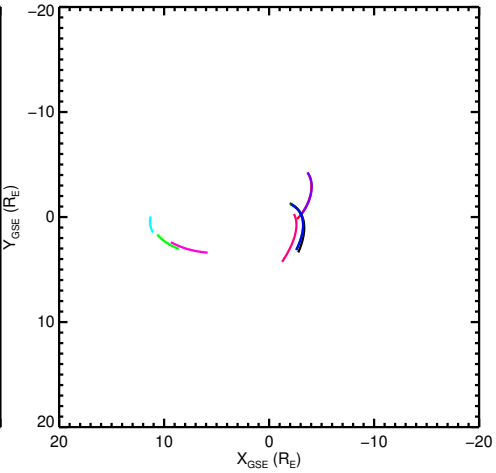


(d) 2045UT to 2355UT
pyk



ker

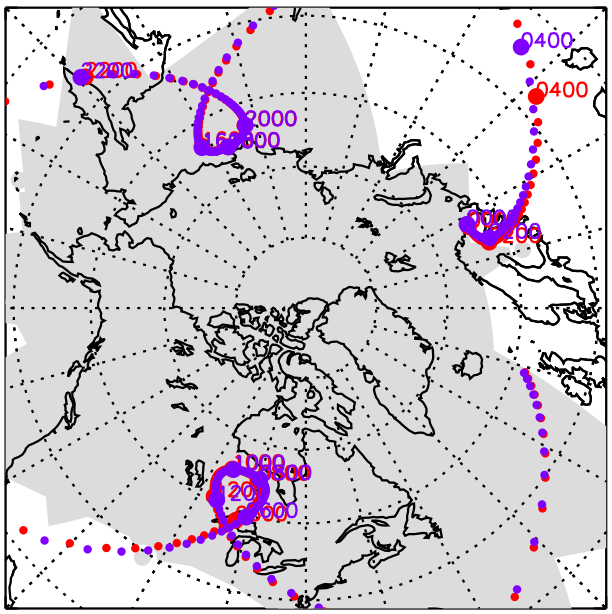


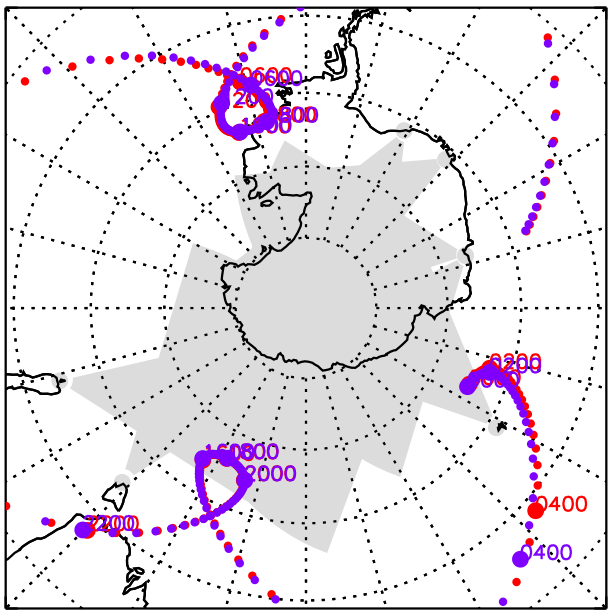


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

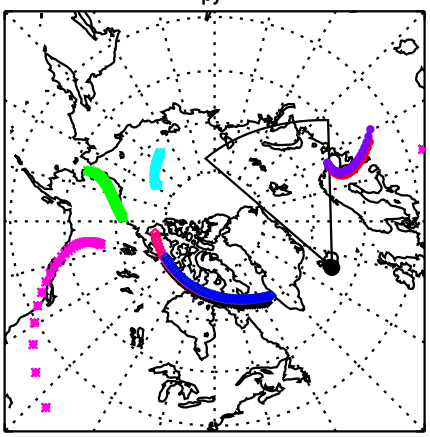
16–Jan–2013

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

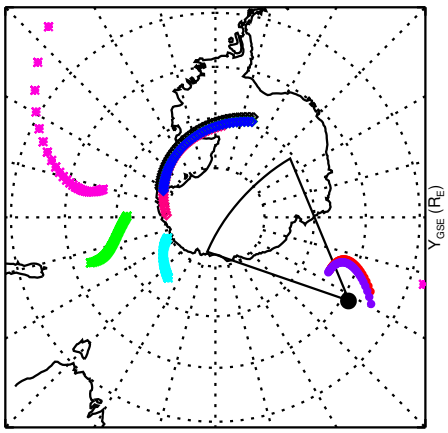


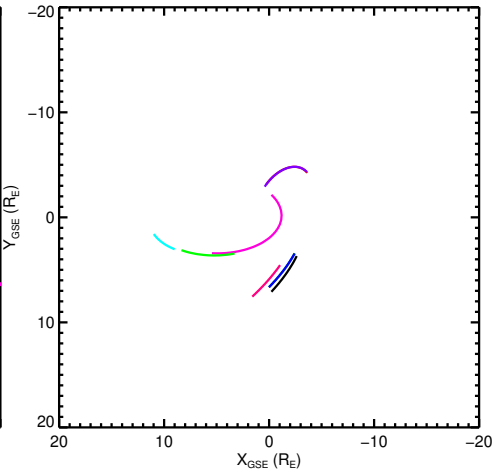


(a) 0000UT to 0330UT
pyk

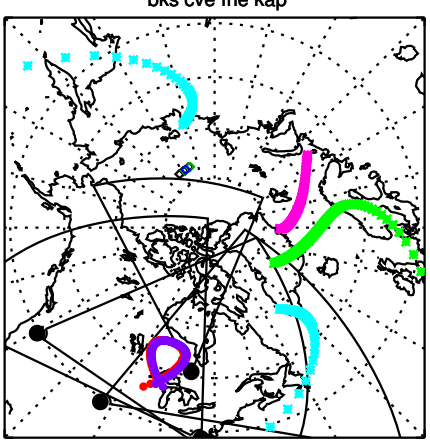


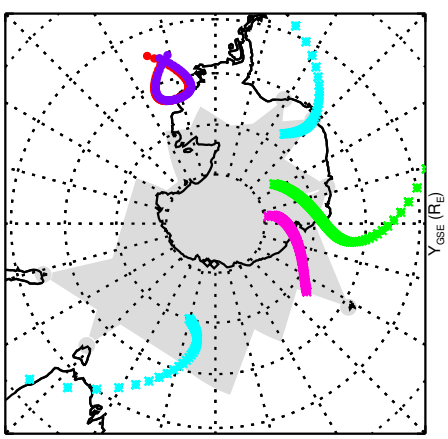
ker

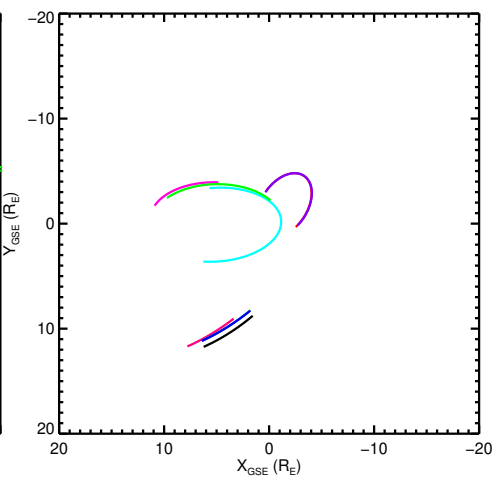




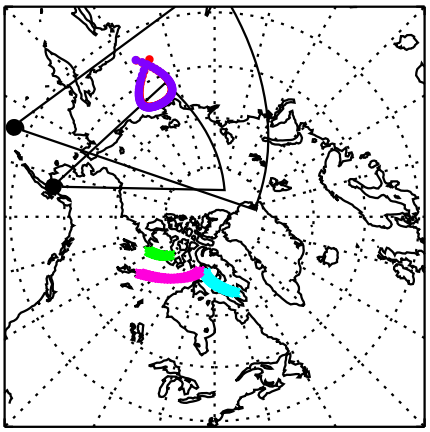
(b) 0540UT to 1230UT
bks cve fhe kap



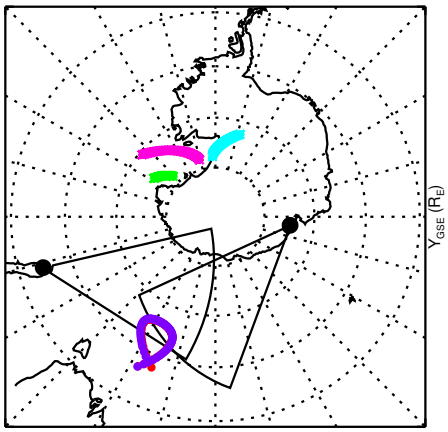


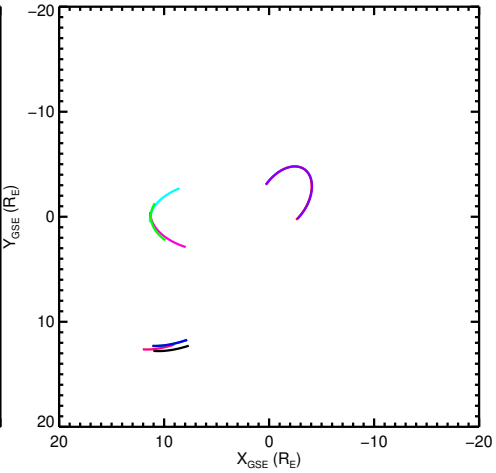


(c) 1440UT to 2130UT
adw ksr

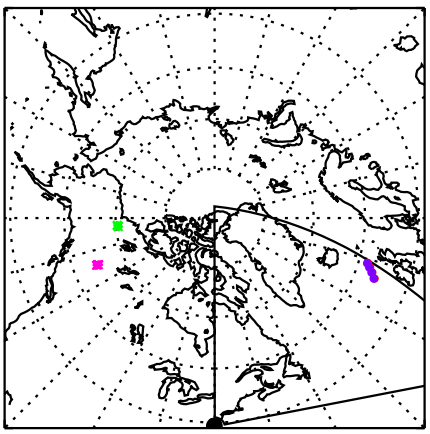


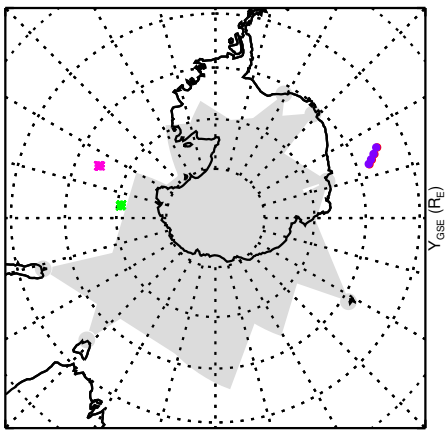
unw zho

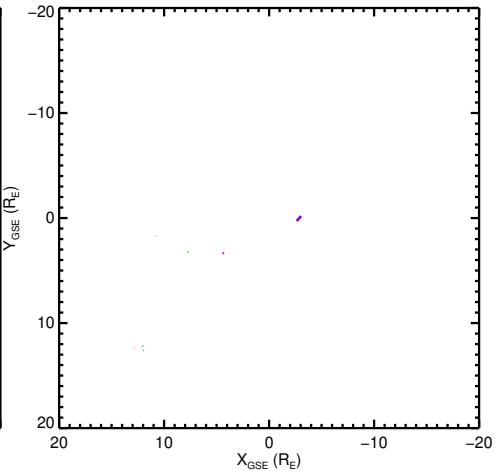




(d) 2340UT to 2355UT
wal



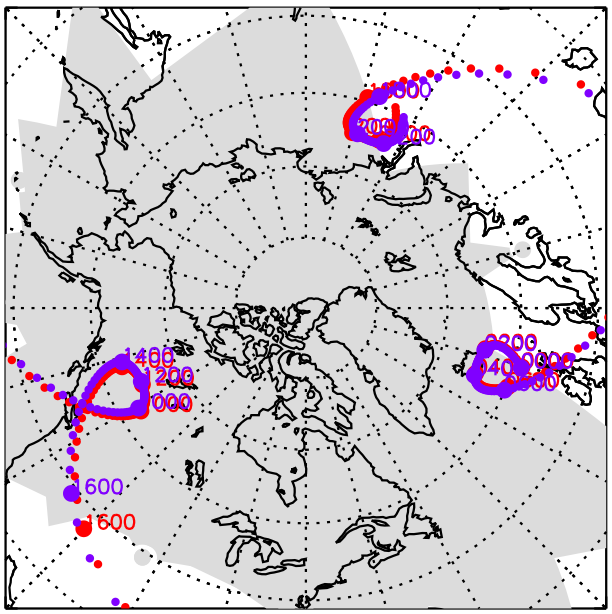


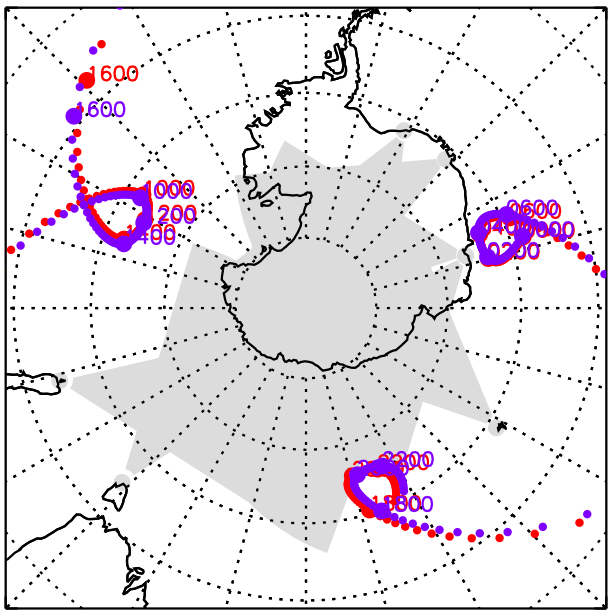


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

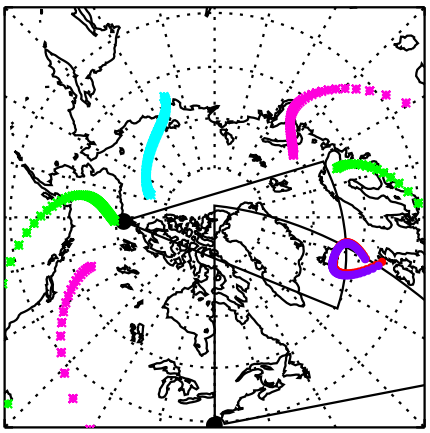
17–Jan–2013

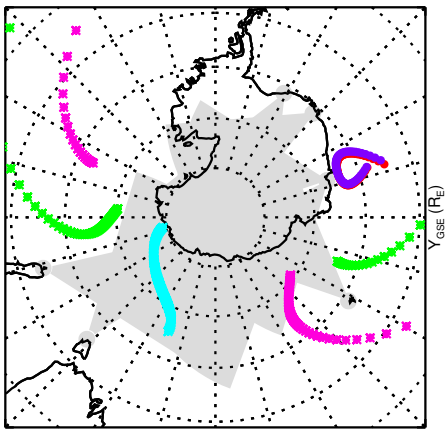
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

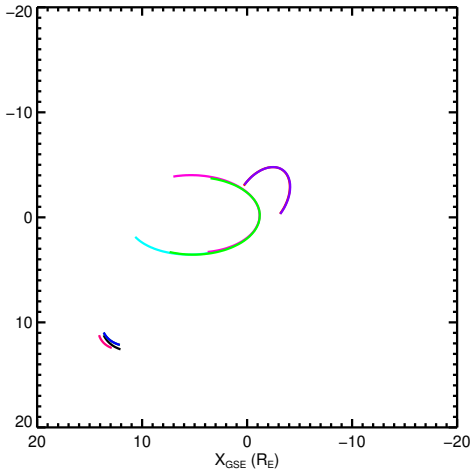




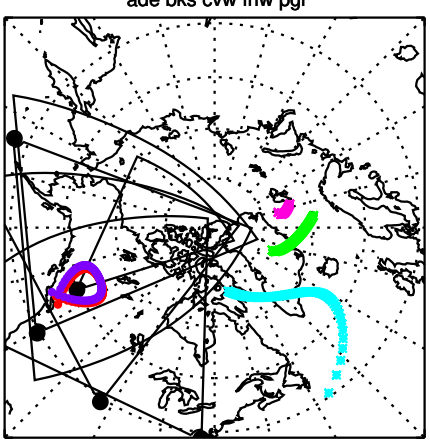
(a) 0000UT to 0630UT
inv wal

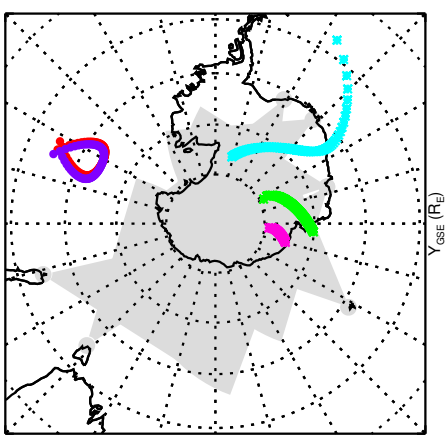


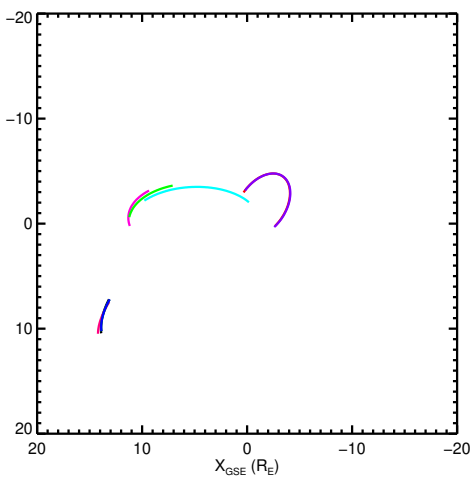


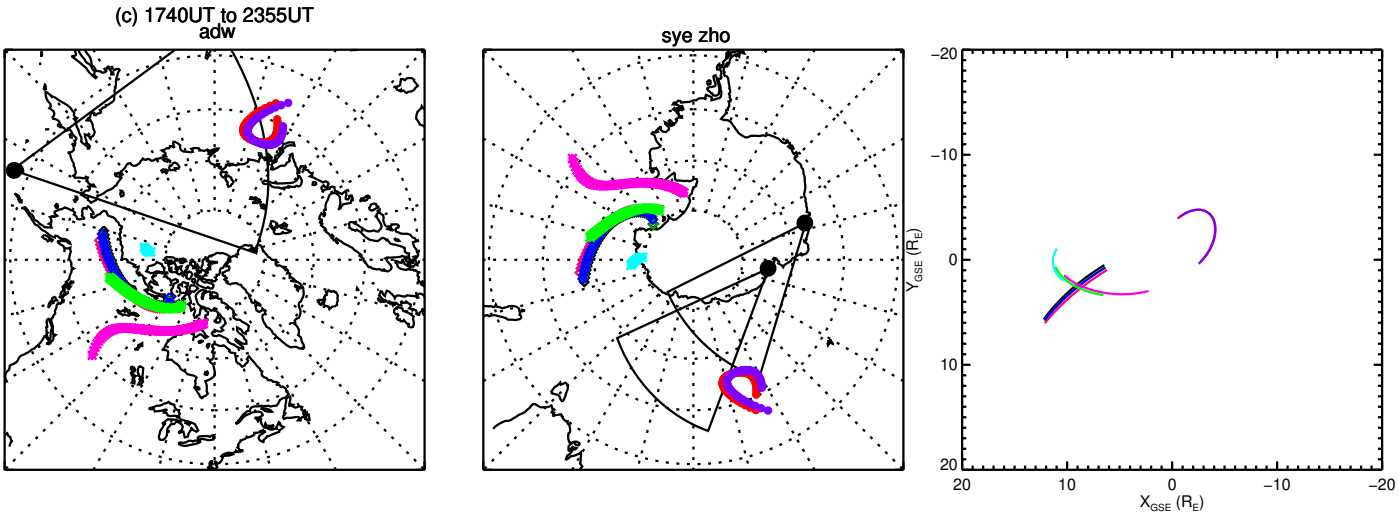


(b) 0840UT to 1530UT
ade bks cvw fhw pgr





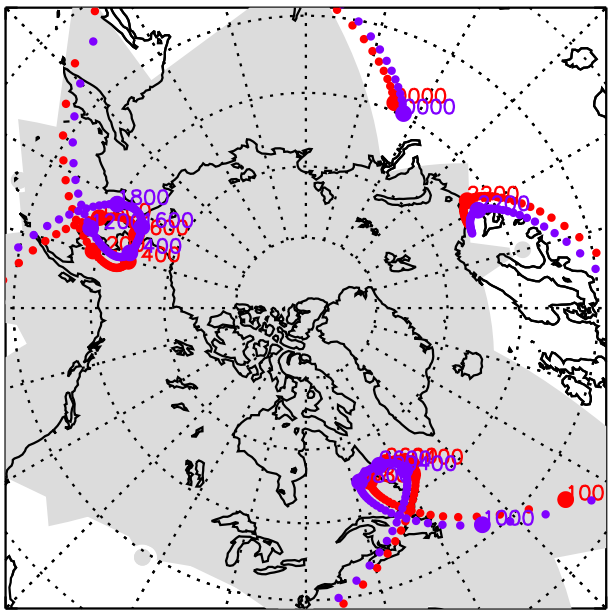


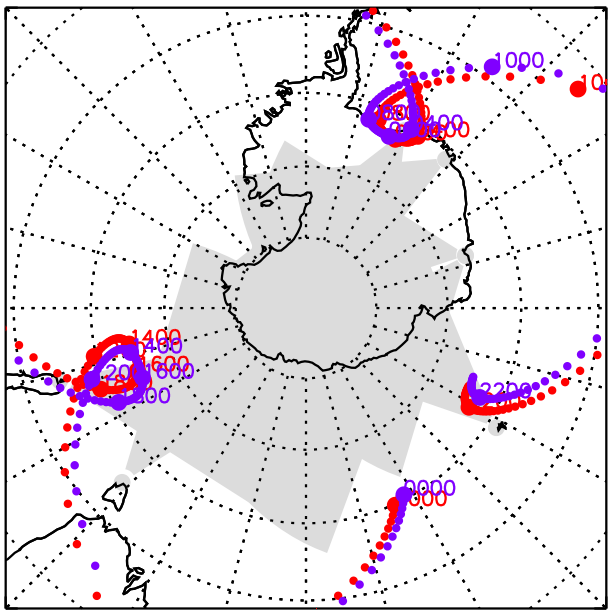

(c) 1740UT to 2355UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

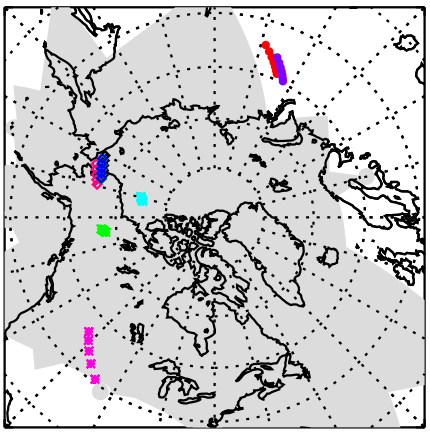
18–Jan–2013

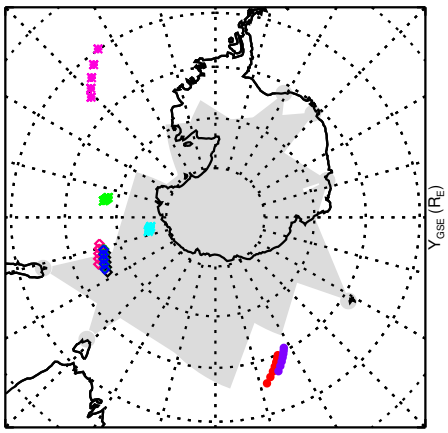
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

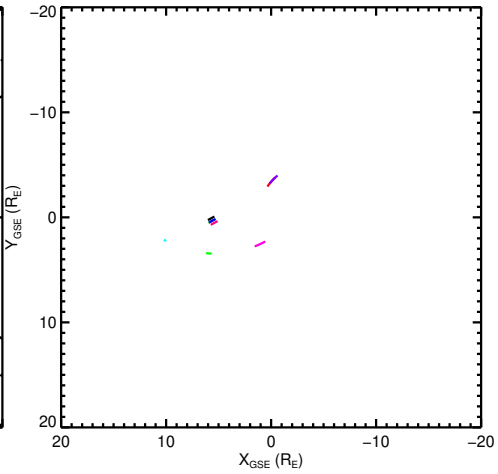




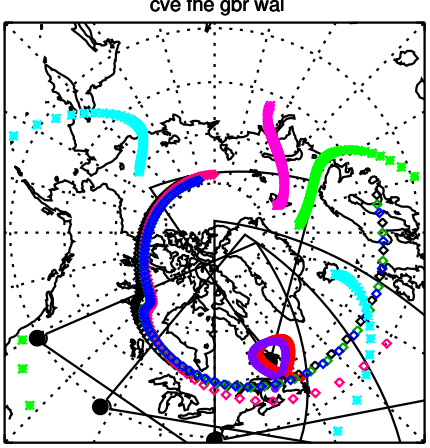
(a) 0000UT to 0030UT



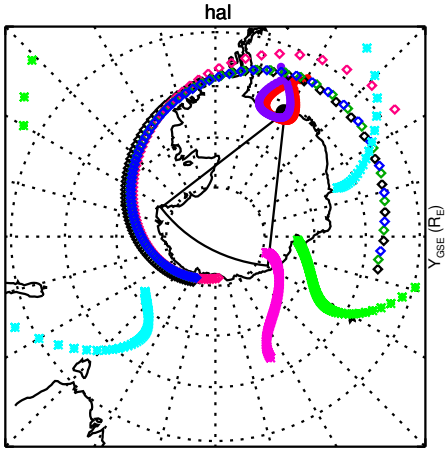


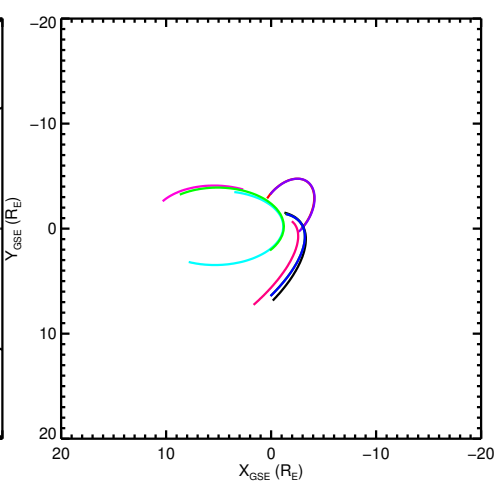


(b) 0245UT to 0930UT
cve fhe gbr wal

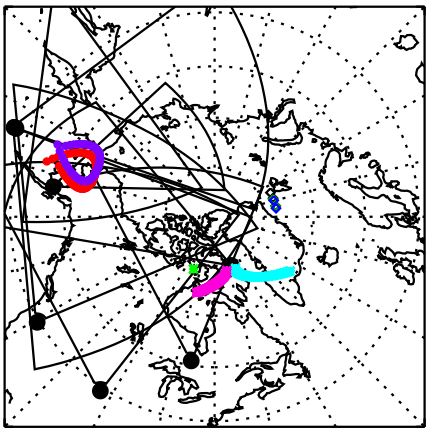


hal

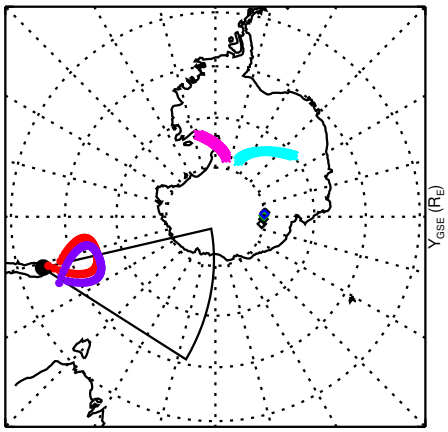


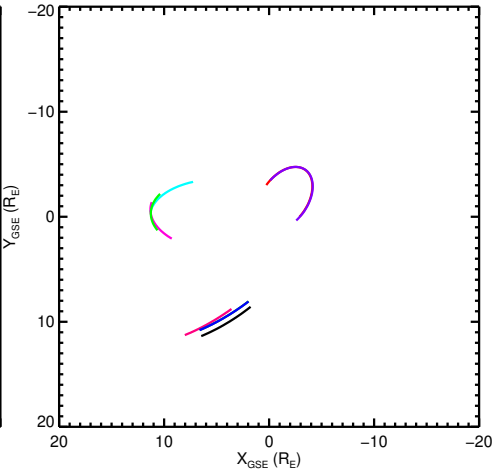


(c) 1145UT to 1825UT
ade adw cly cvw fhw hok kap ksr

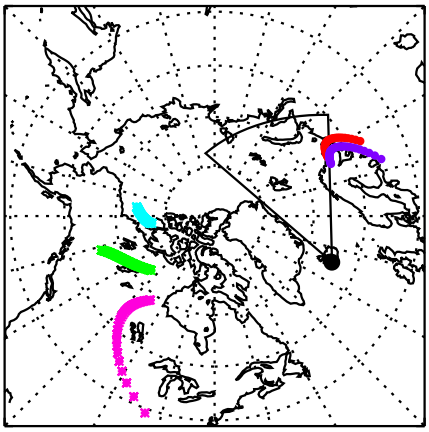


unw

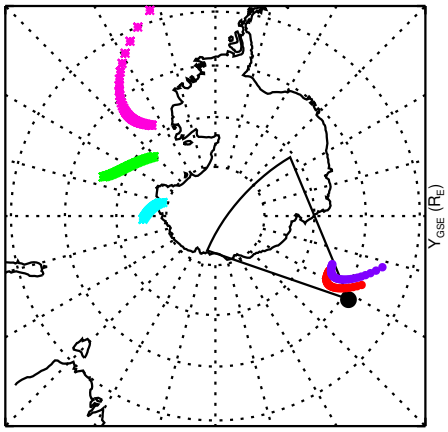


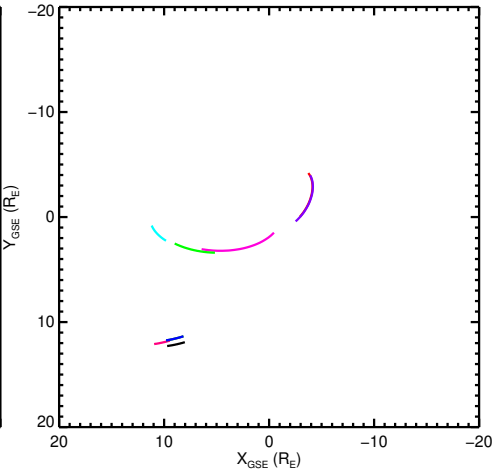


(d) 2045UT to 2355UT
pyk



ker

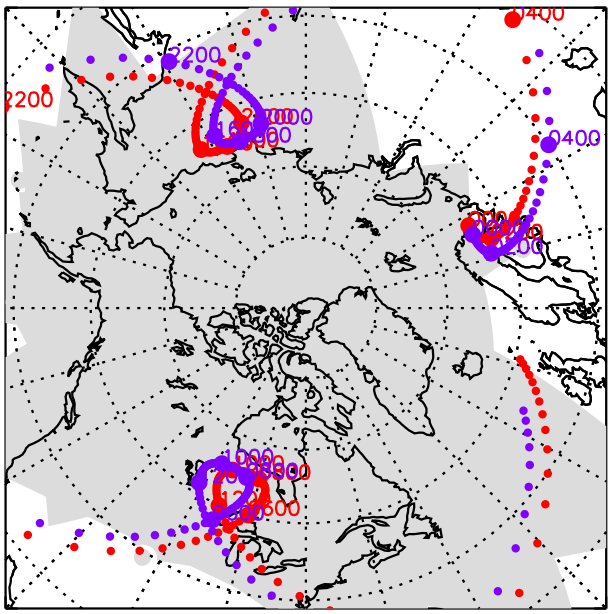


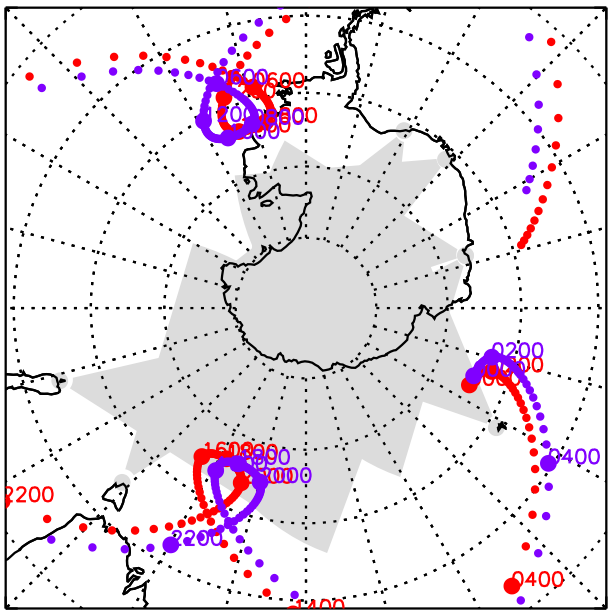


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

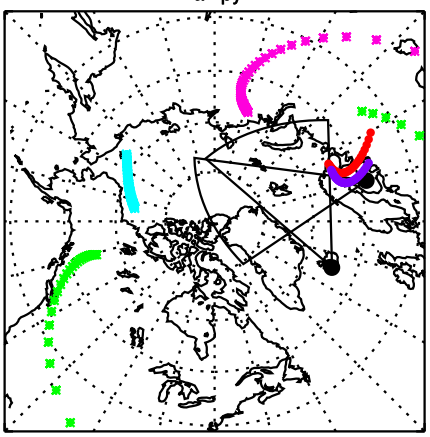
19–Jan–2013

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

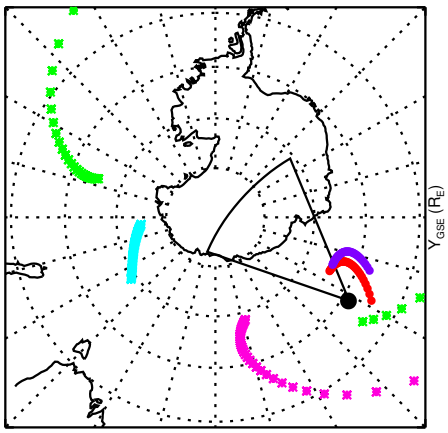


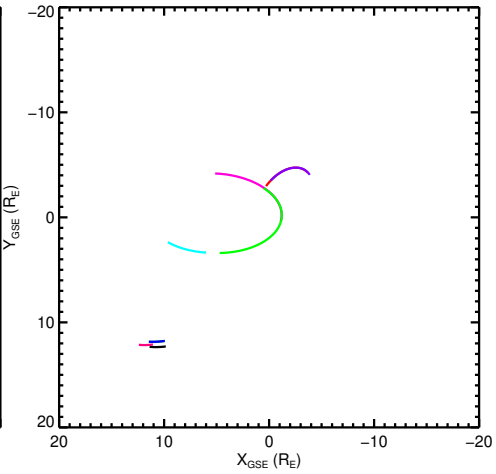


(a) 0000UT to 0325UT
han pyk

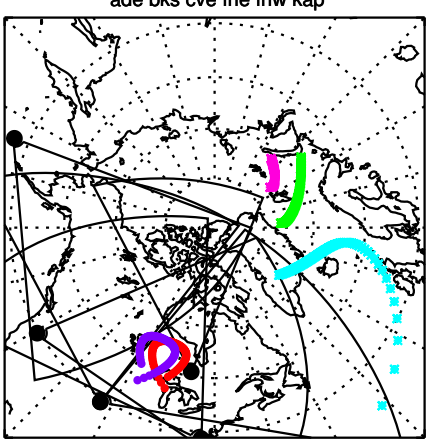


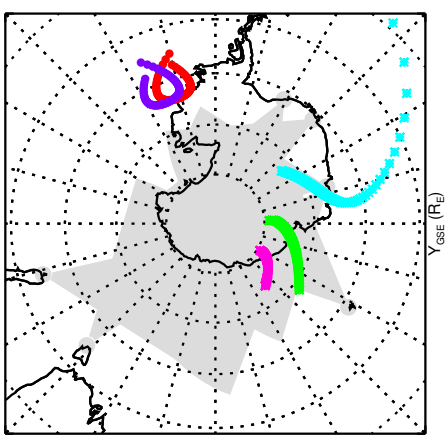
ker

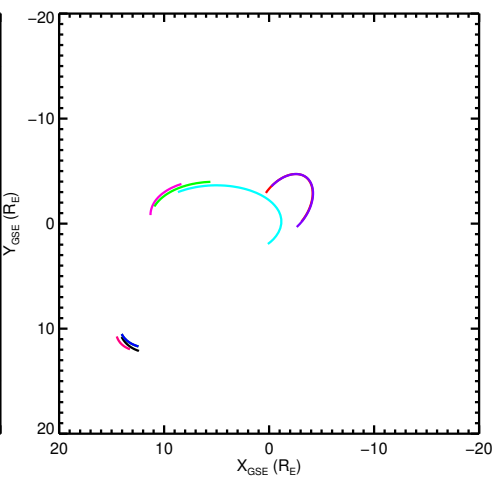




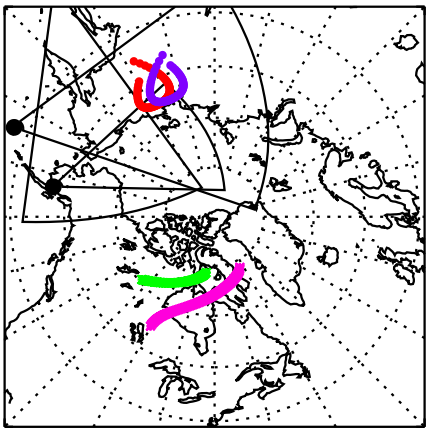
(b) 0550UT to 1225UT
ade bks cve fhe fhw kap



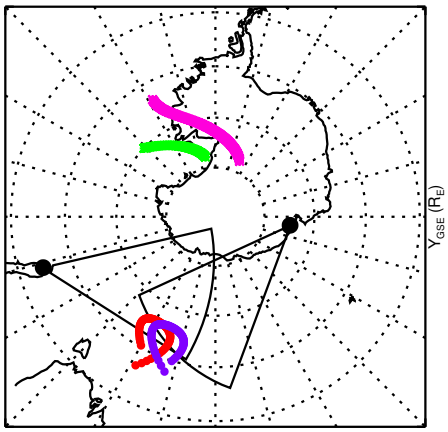


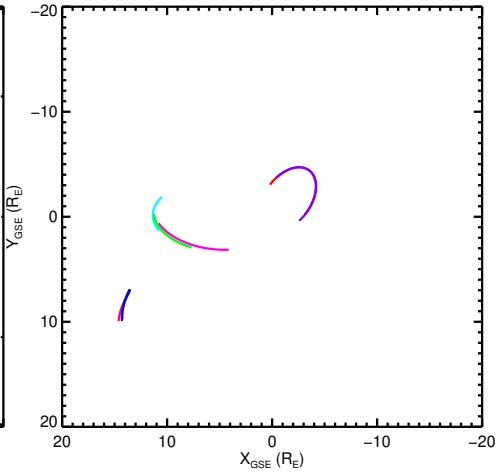


(c) 1450UT to 2120UT
adw hok ksr

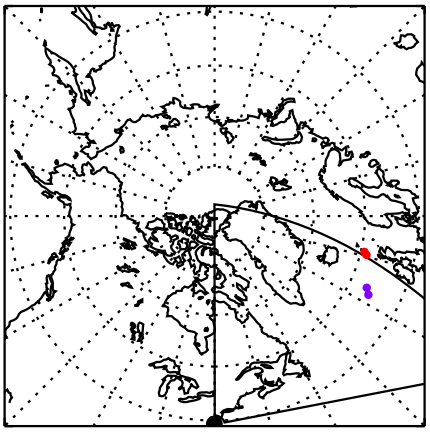


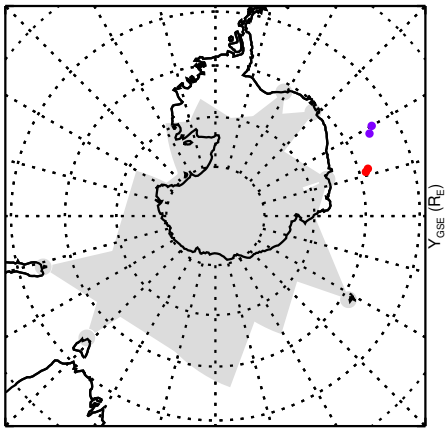
unw zho

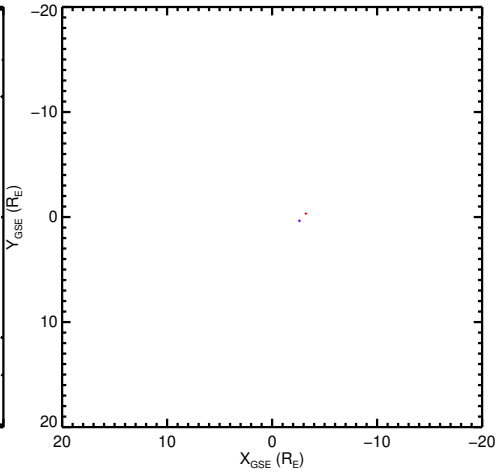




(d) 2350UT to 2355UT
wal



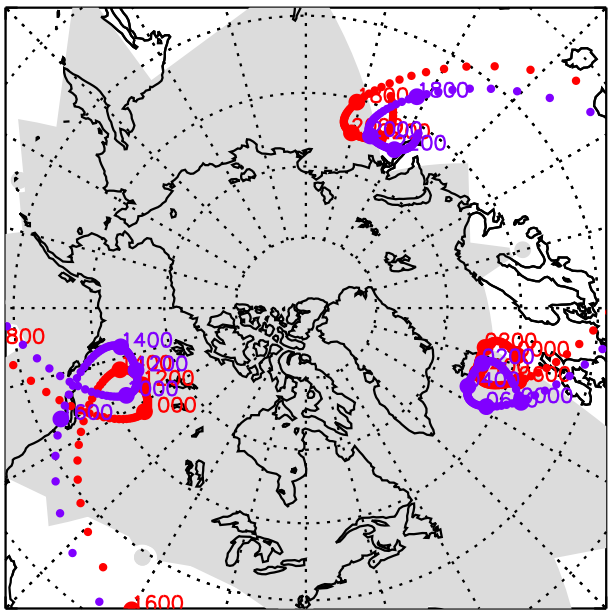


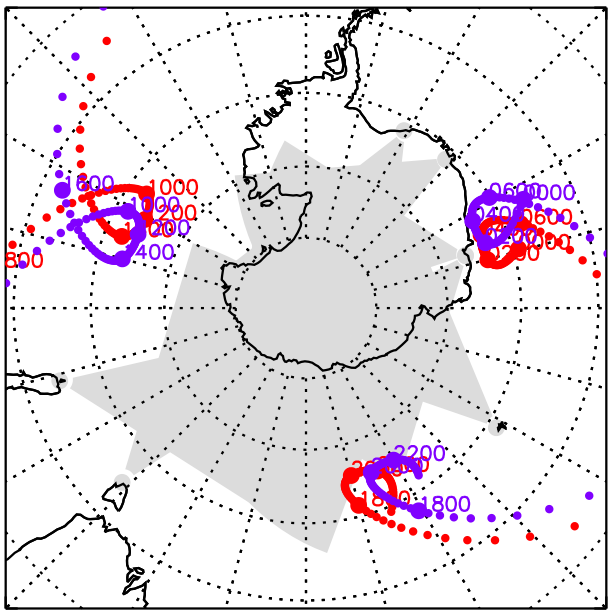


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

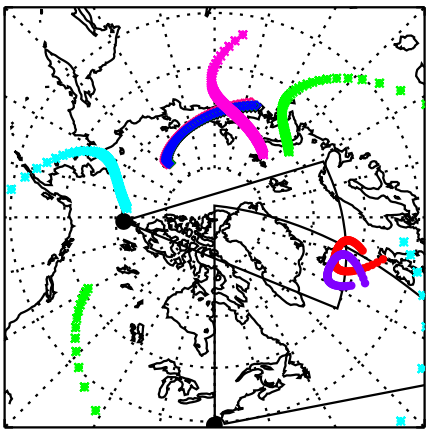
20–Jan–2013

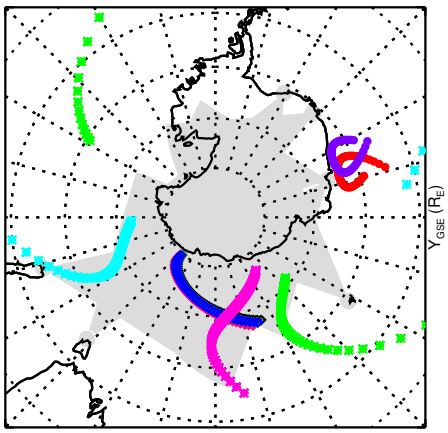
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

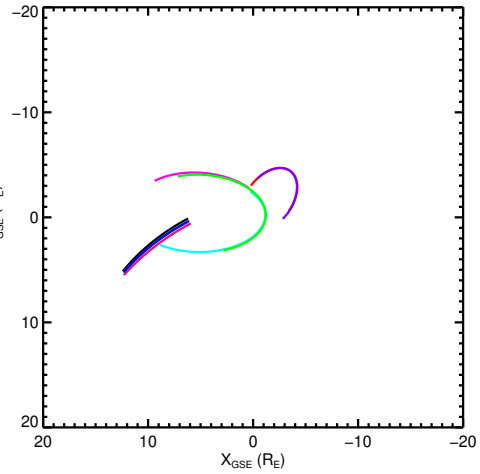




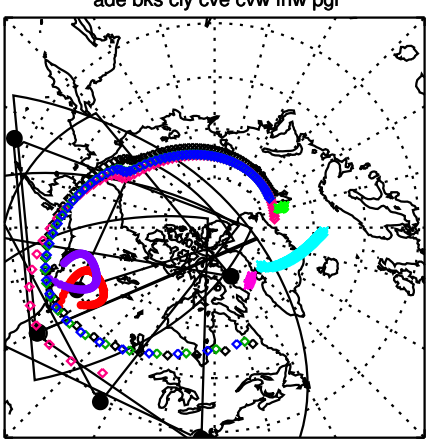
(a) 0000UT to 0620UT
inv wal

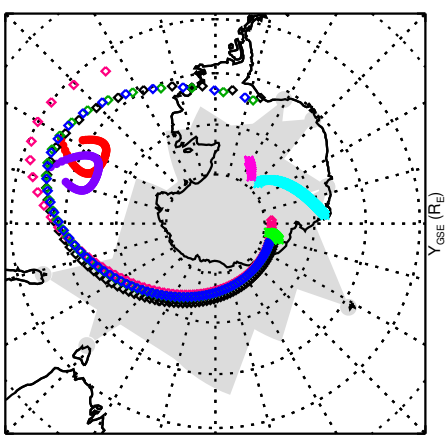


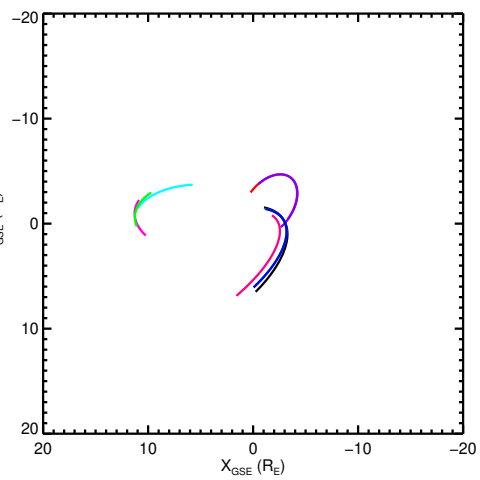


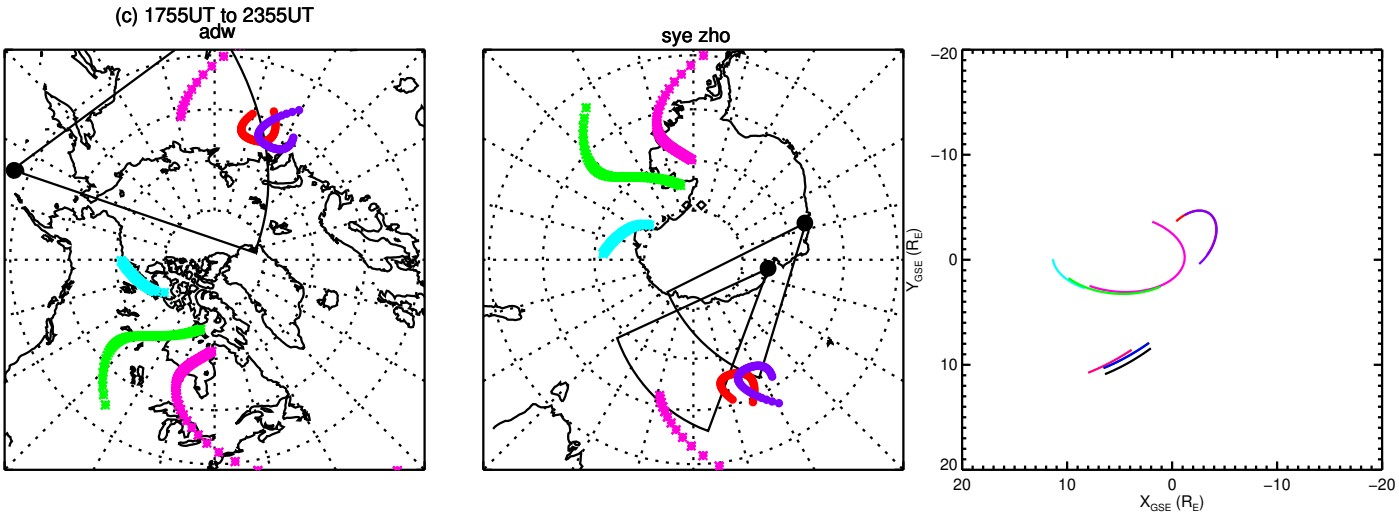


(b) 0855UT to 1520UT
ade bks cly cve cvw fhw pgr





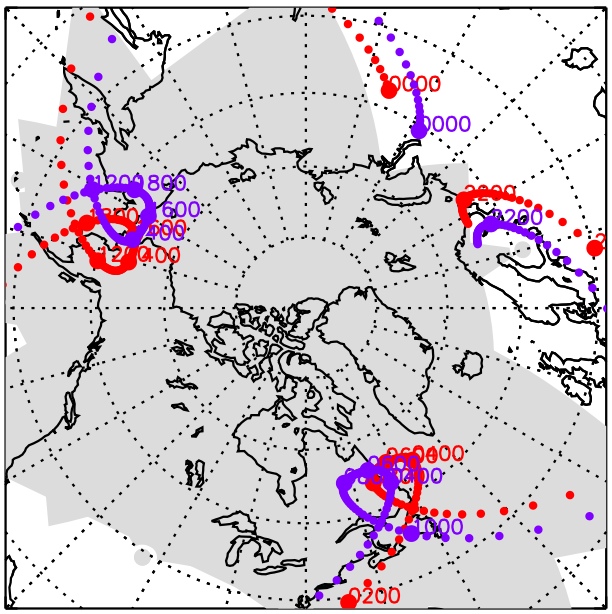


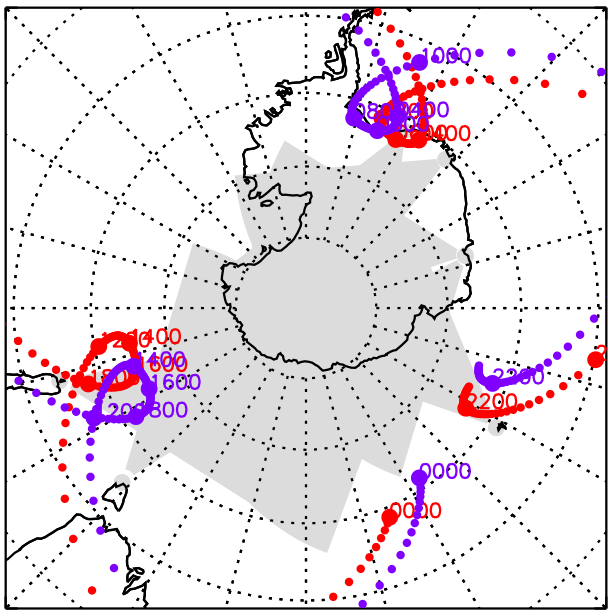

(c) 1755UT to 2355UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

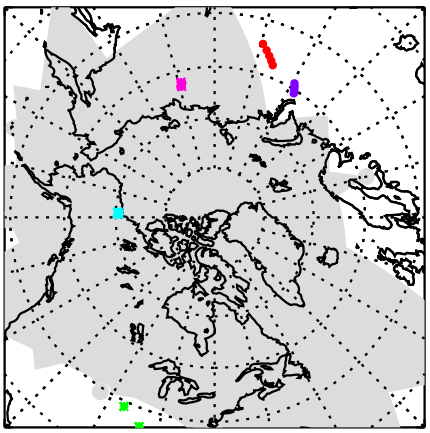
21–Jan–2013

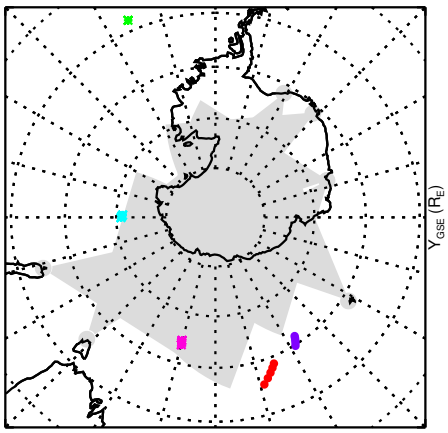
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

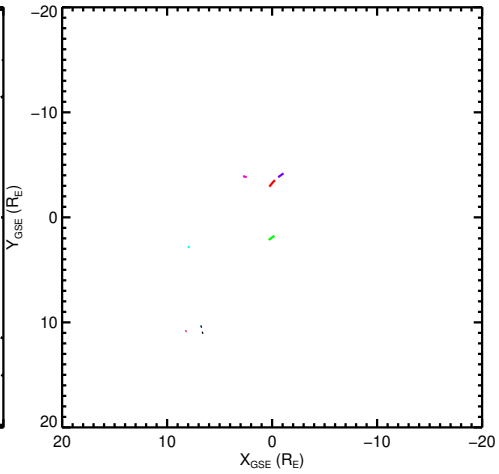




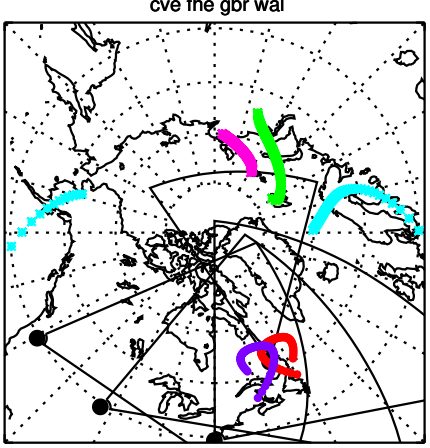
(a) 0000UT to 0020UT



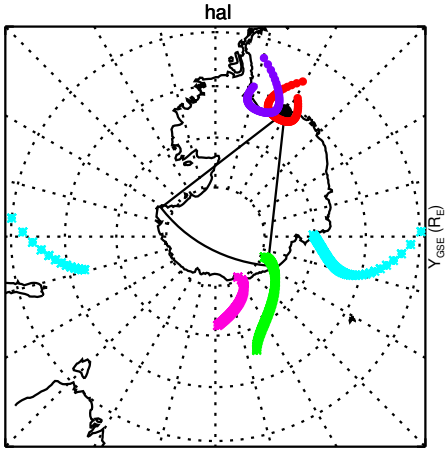


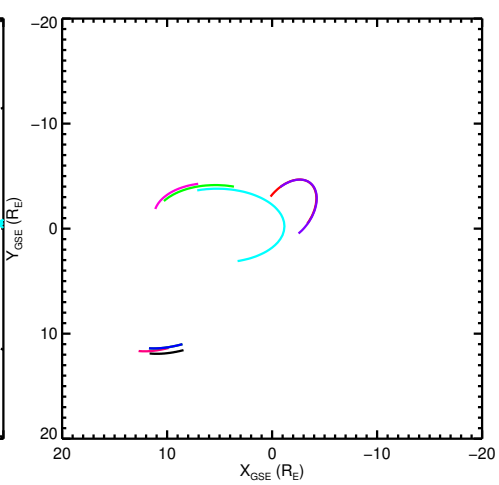


(b) 0255UT to 0915UT
cve fhe gbr wal

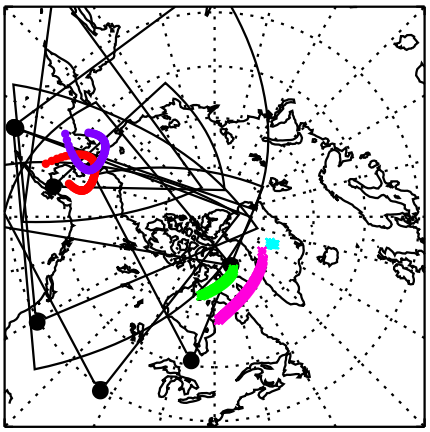


hal

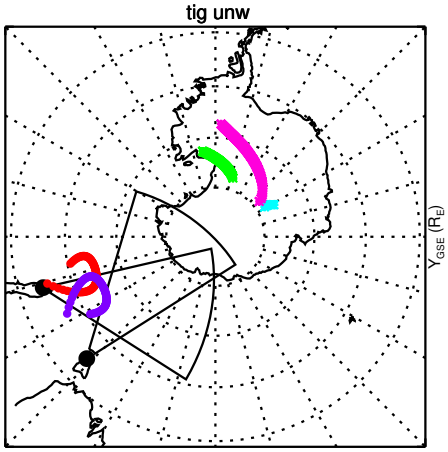


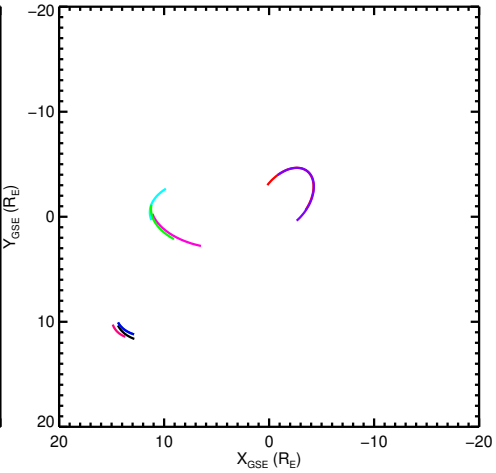


(c) 1200UT to 1815UT
ade adw cly cvw fhw hok kap ksr

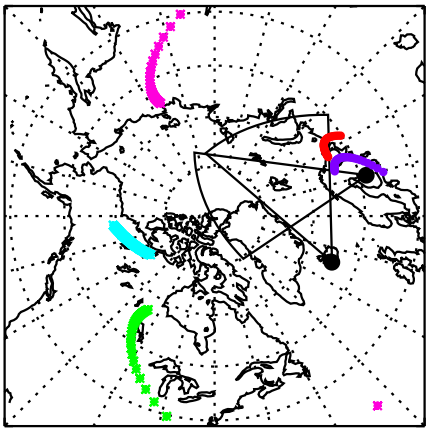


tig unw

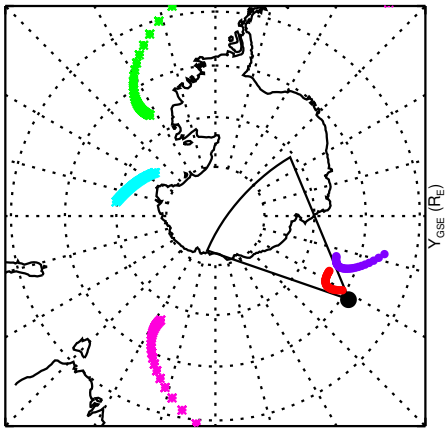


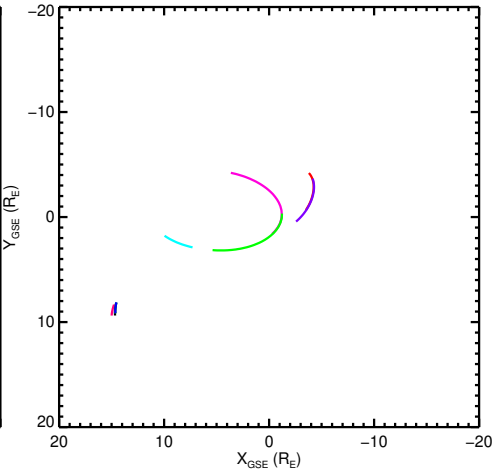


(d) 2100UT to 2355UT
han pyk



ker

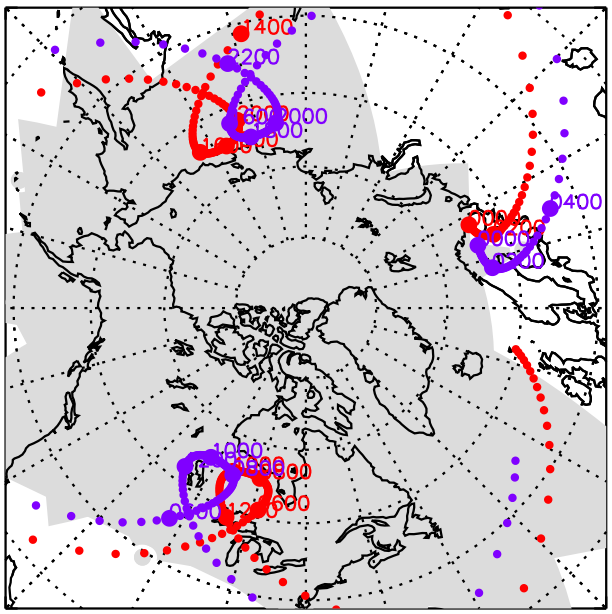


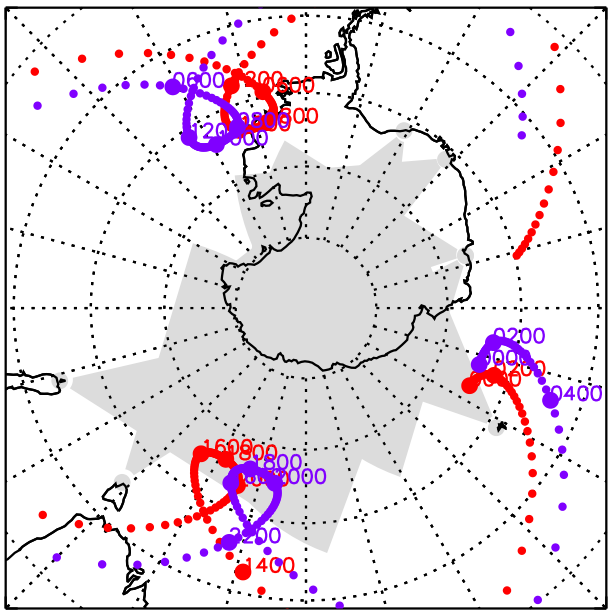


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

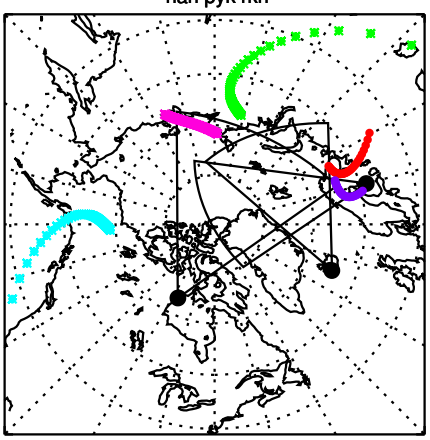
22–Jan–2013

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

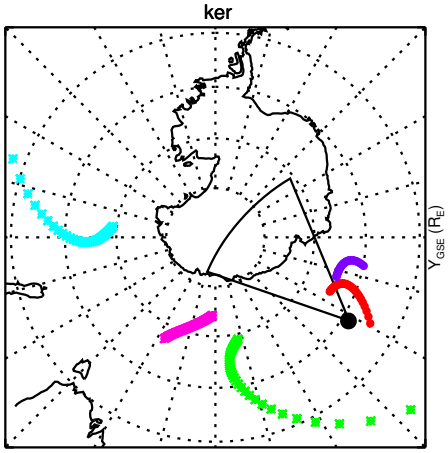


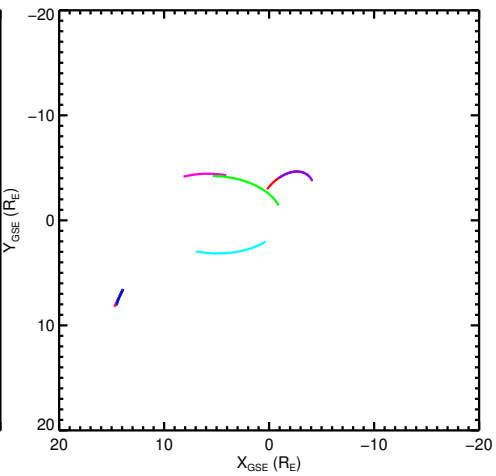


(a) 0000UT to 0315UT
han pyk rkn

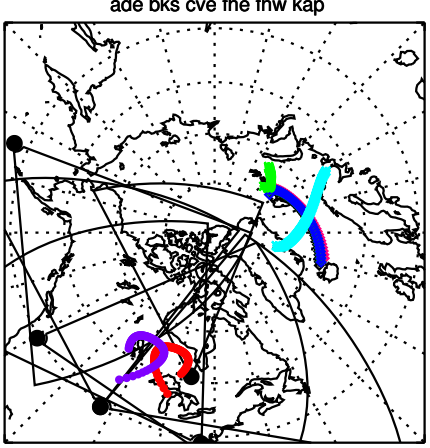


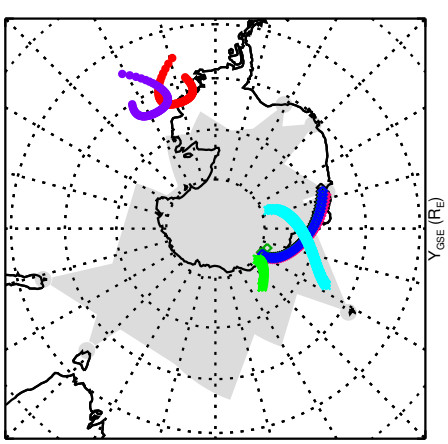
ker

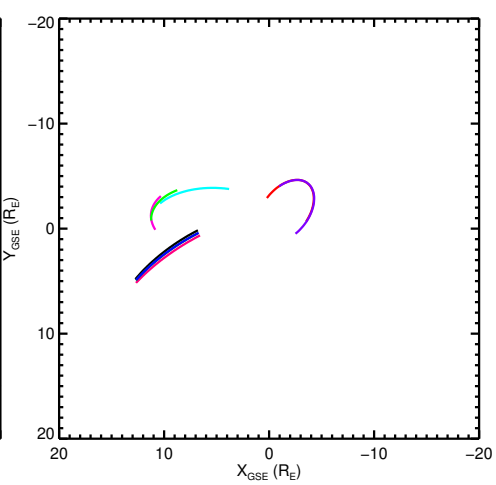


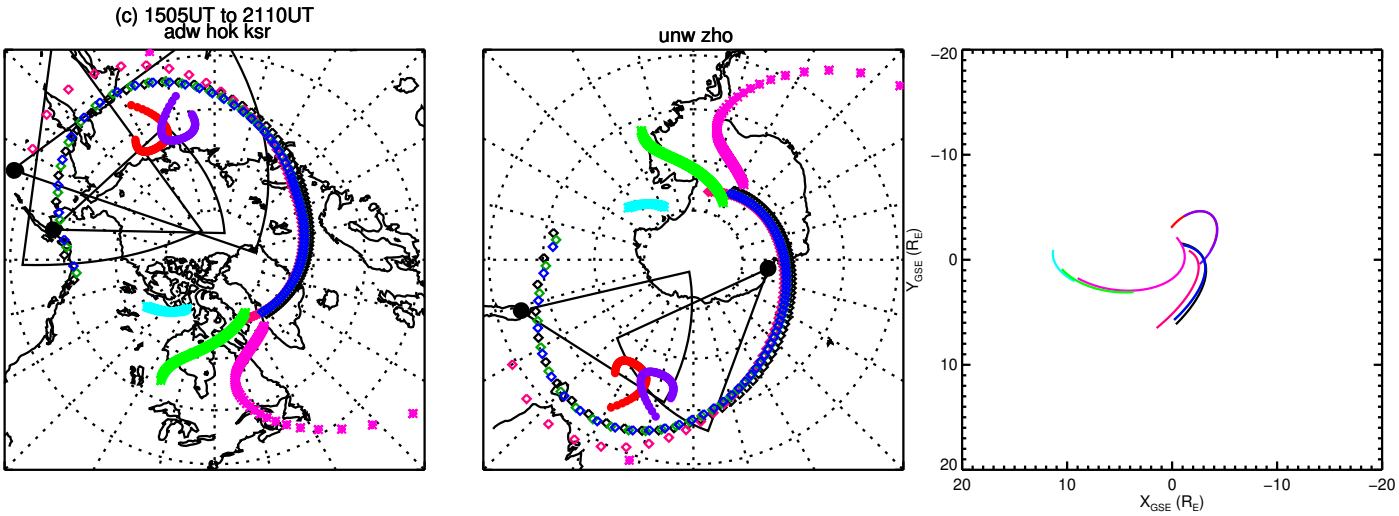


(b) 0600UT to 1215UT
ade bks cve fhe fhw kap





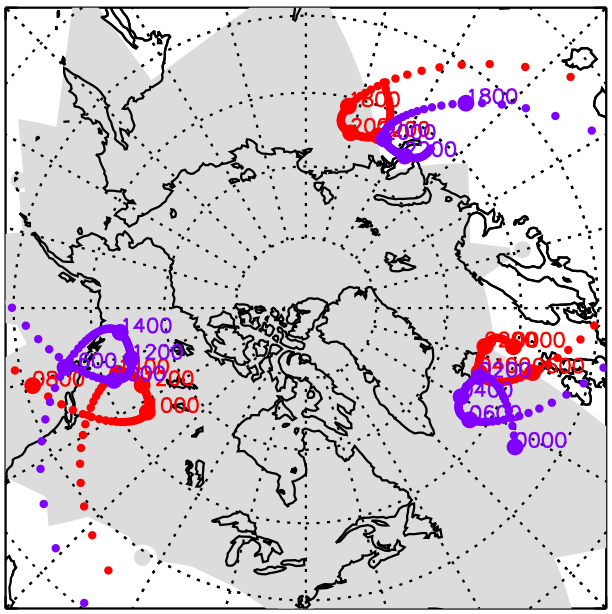


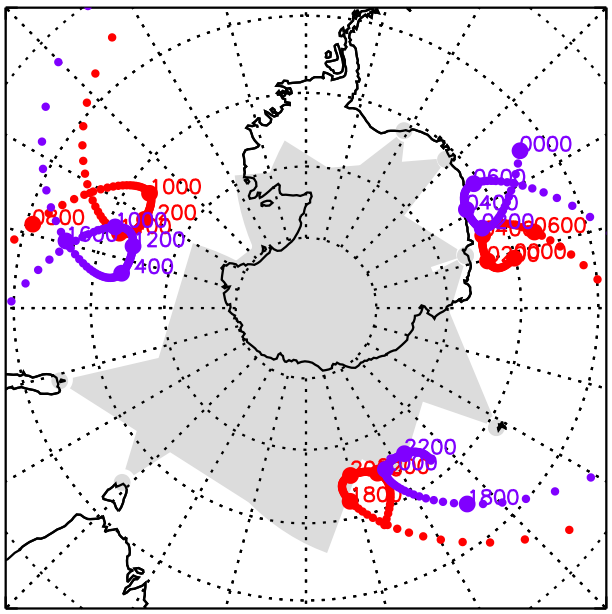

(c) 1505UT to 2110UT
adw hok ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

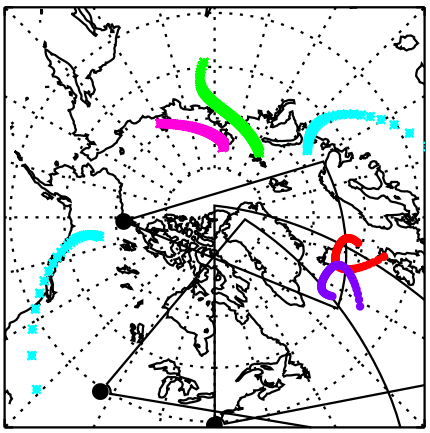
23–Jan–2013

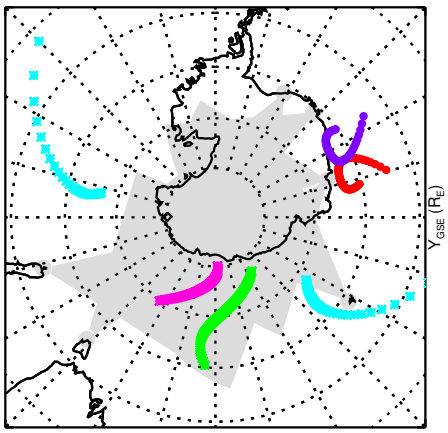
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

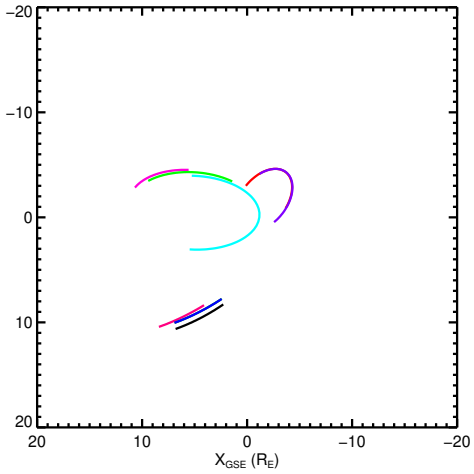




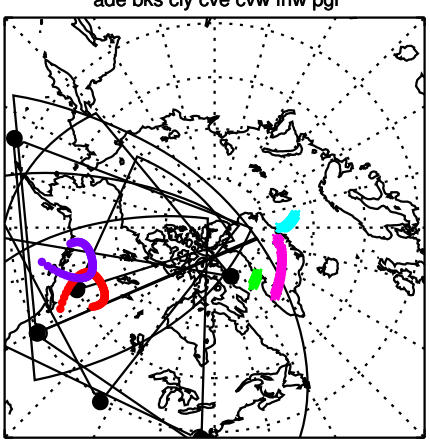
(a) 0005UT to 0610UT
fhe inv wal

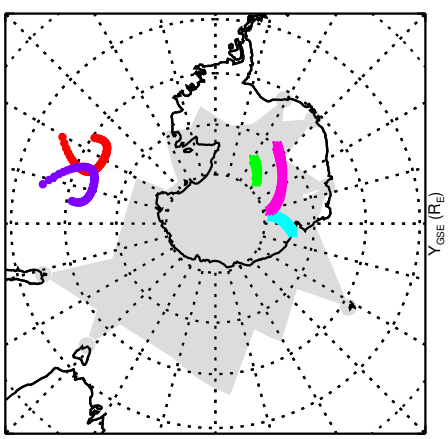


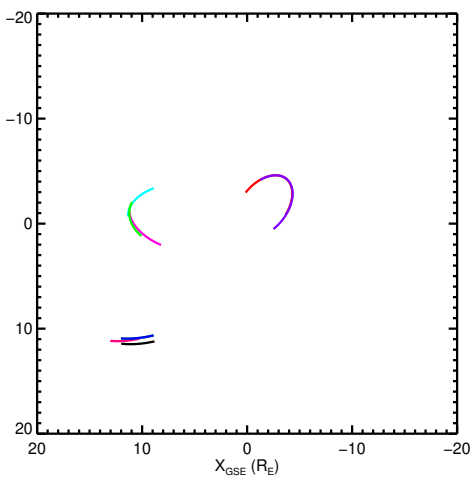


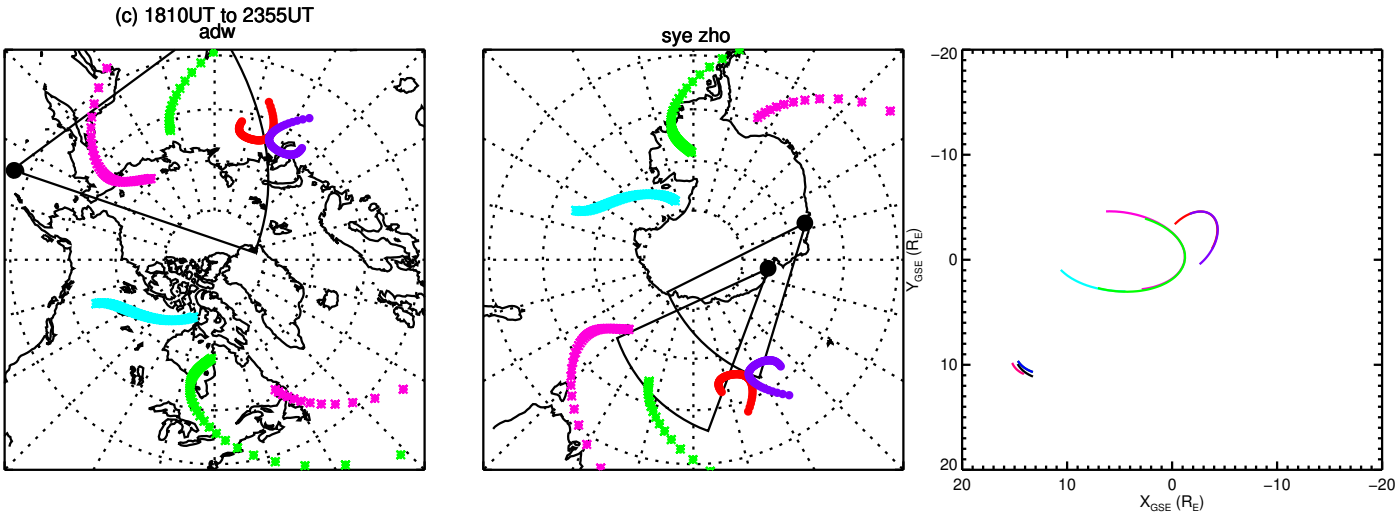


(b) 0905UT to 1510UT
ade bks cly cve cvw fhw pgr





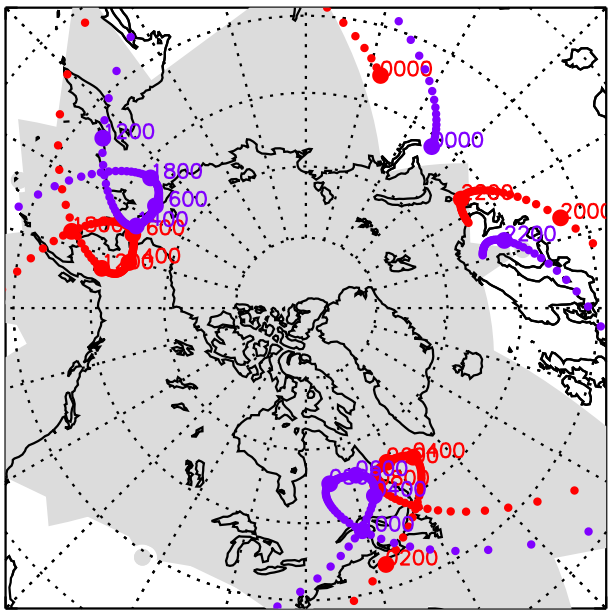


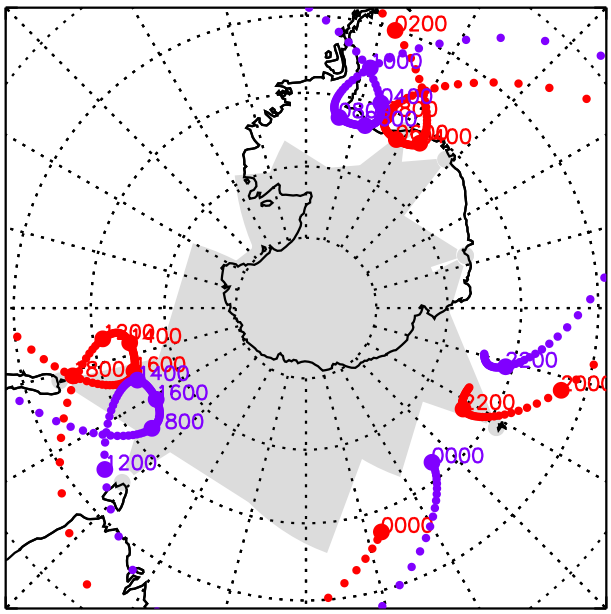

(c) 1810UT to 2355UT
adw
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

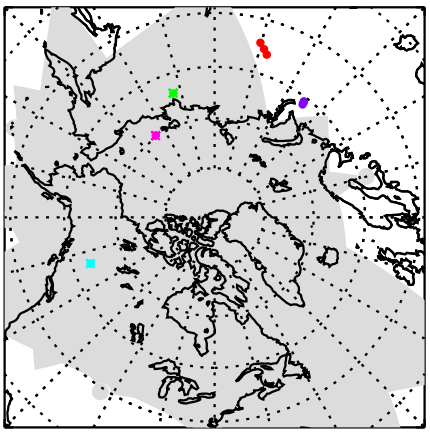
24–Jan–2013

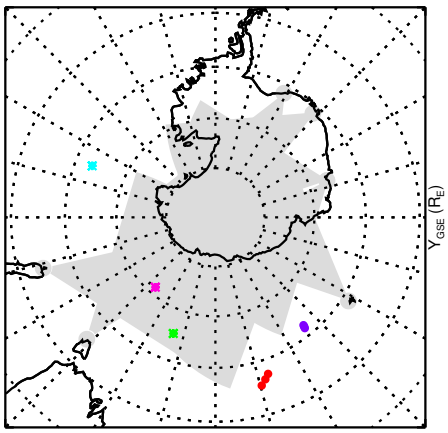
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

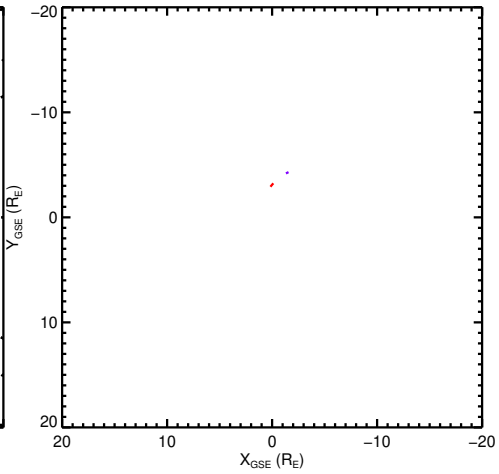




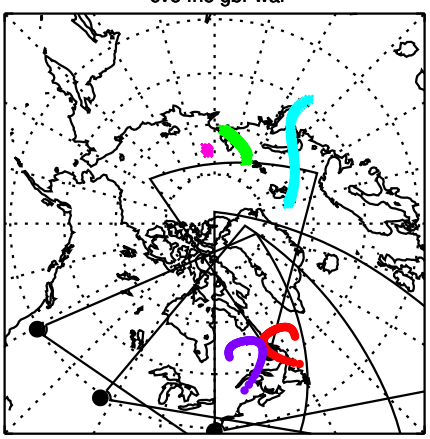
(a) 0000UT to 0010UT



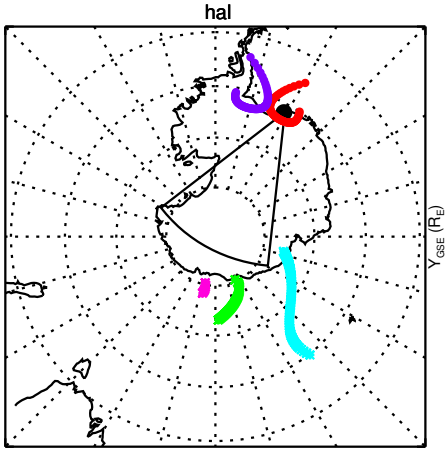


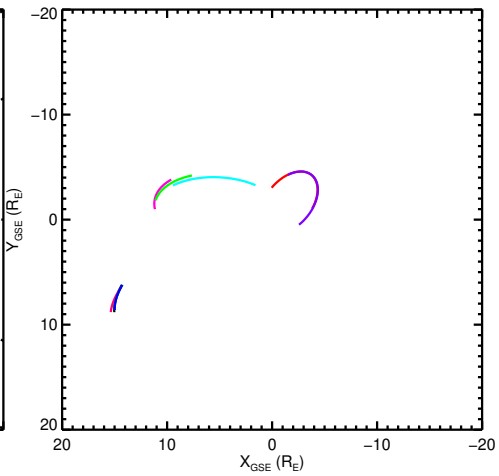


(b) 0310UT to 0905UT
cve fhe gbr wal

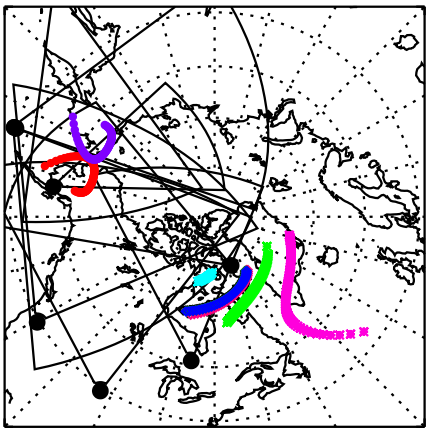


hal

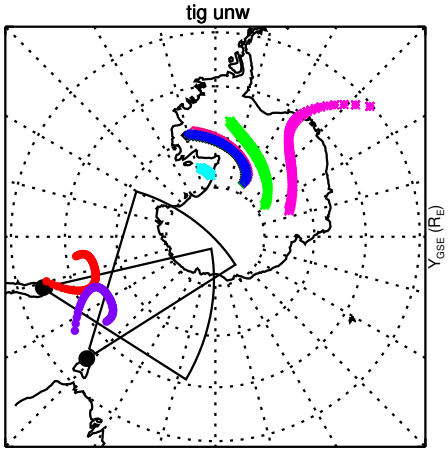


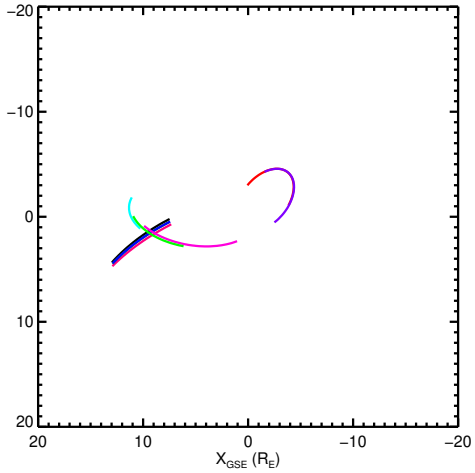


(c) 1210UT to 1805UT
ade adw cly cvw fhw hok kap ksr

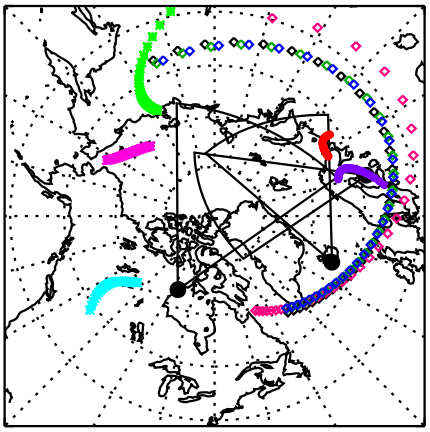


tig unw

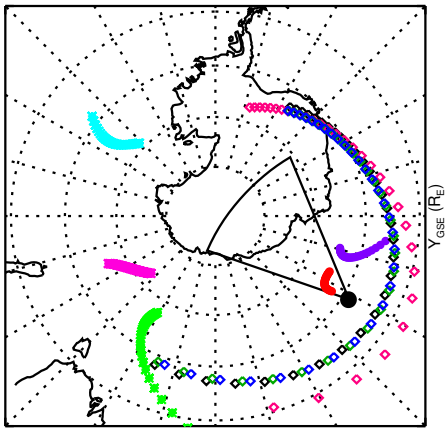


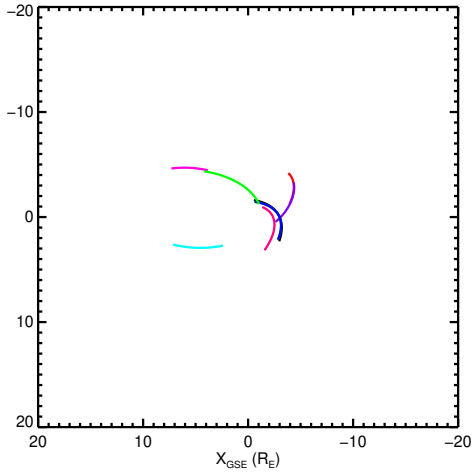


(d) 2115UT to 2355UT
han pyk rkn



ker

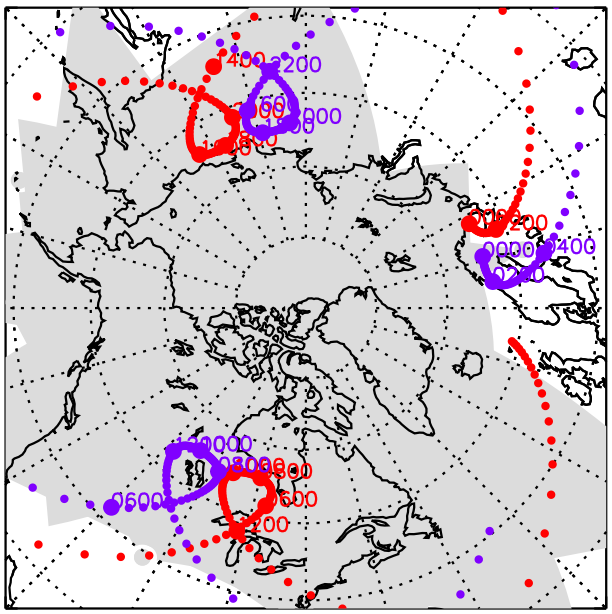


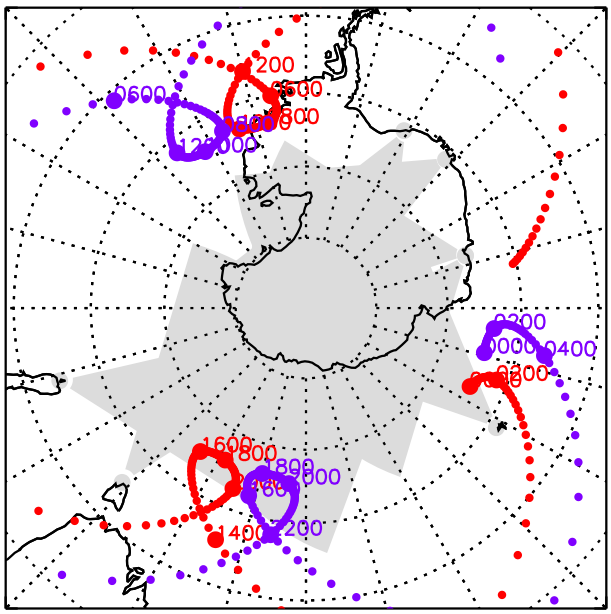


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

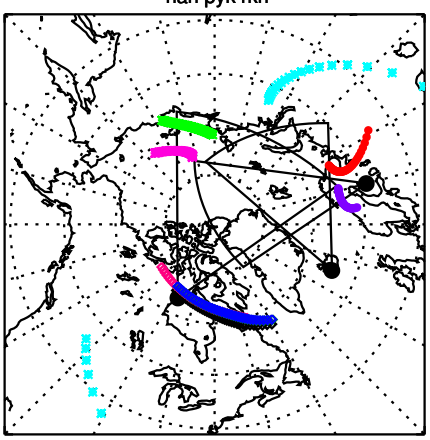
25–Jan–2013

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

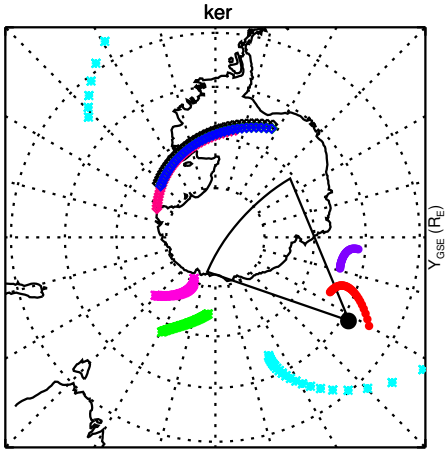


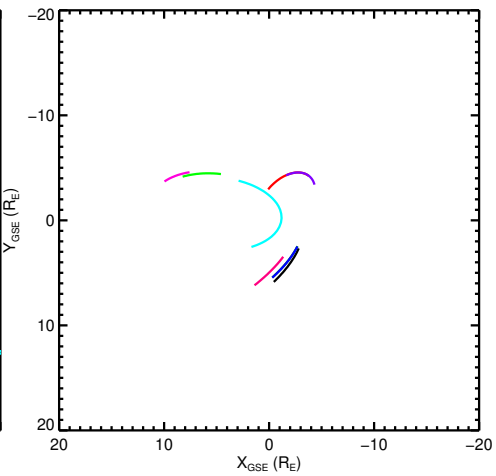


(a) 0000UT to 0305UT
han pyk rkn

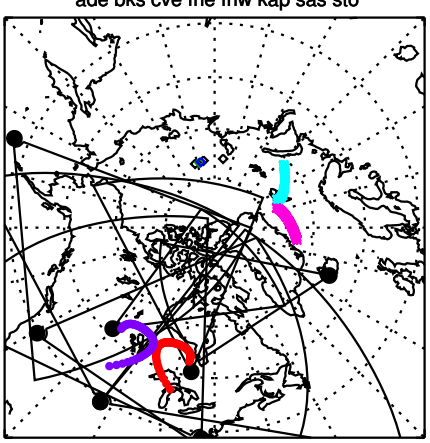


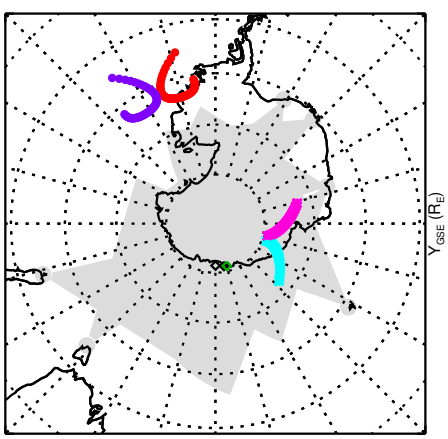
ker

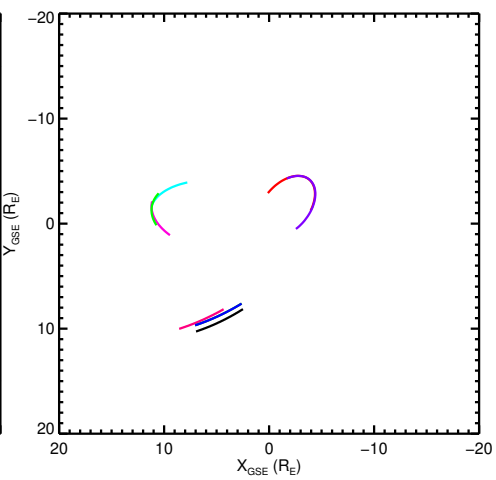


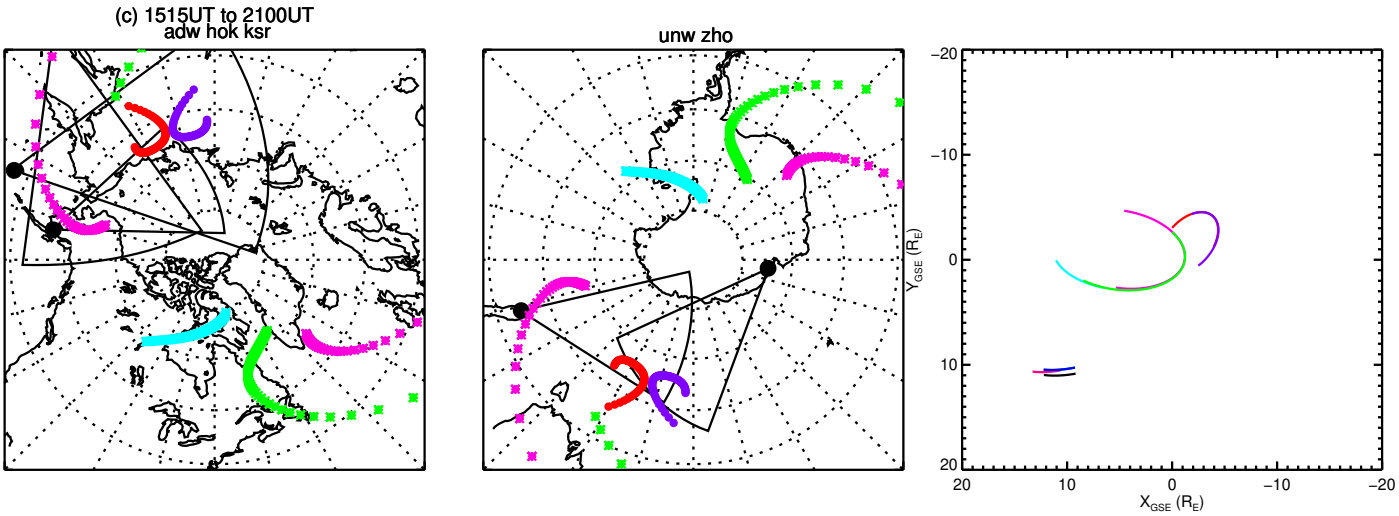


(b) 0615UT to 1205UT
ade bks cve fhe fhw kap sas sto





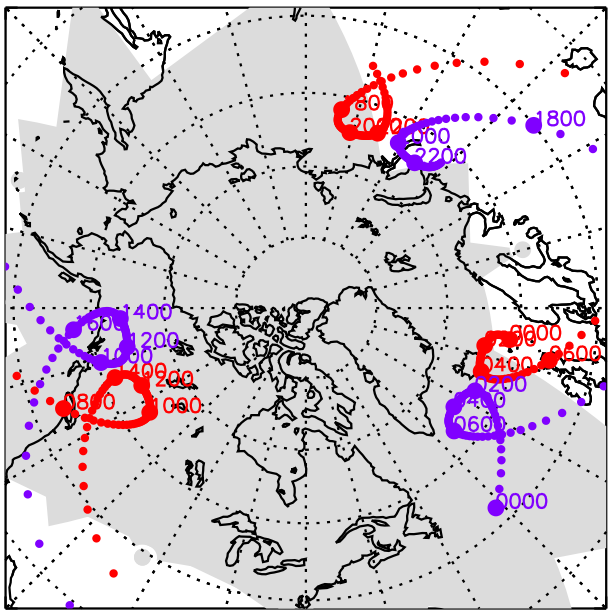


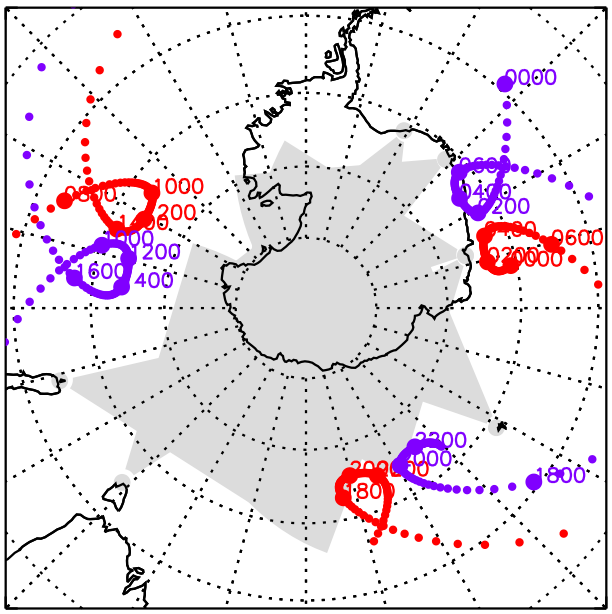

(c) 1515UT to 2100UT
adw hok ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

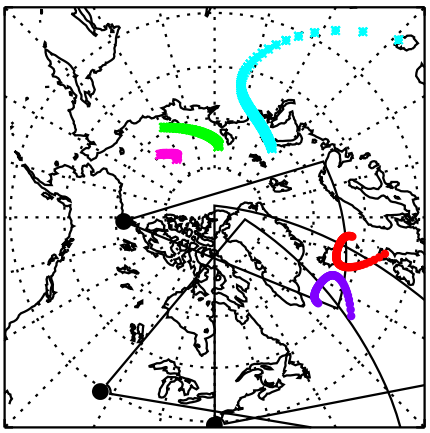
26–Jan–2013

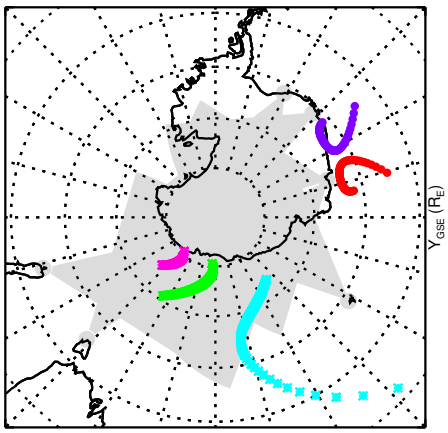
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

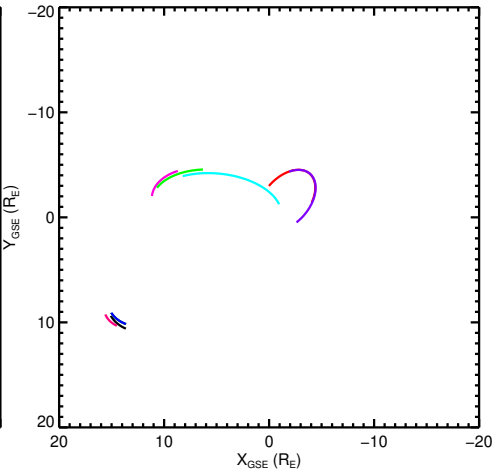




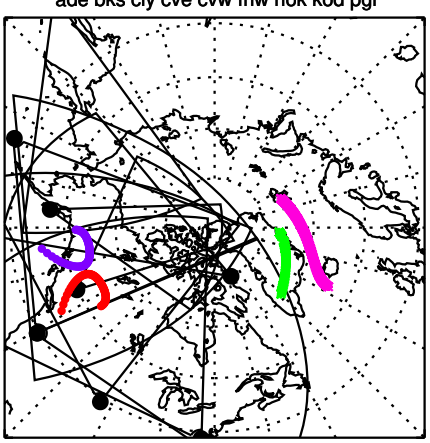
(a) 0020UT to 0600UT
fhe inv wal

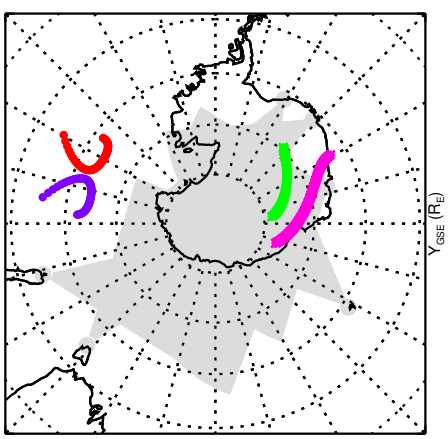


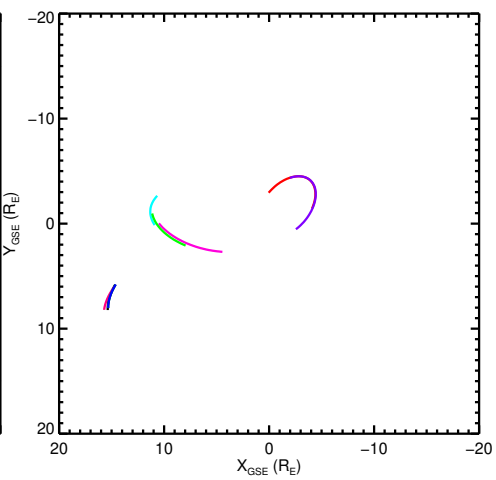


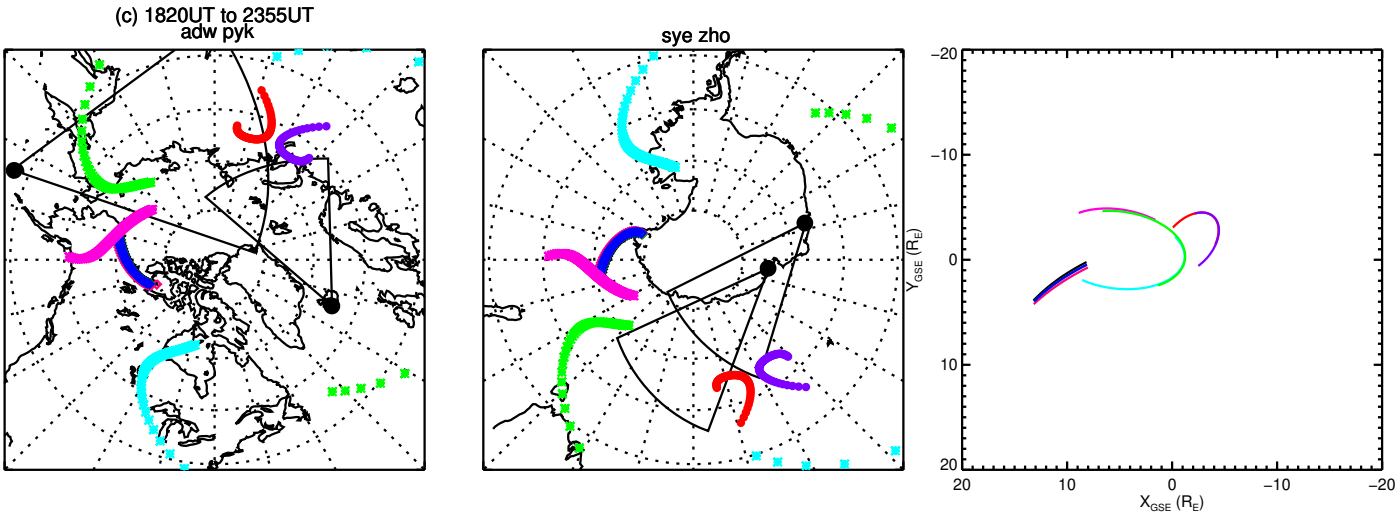


(b) 0920UT to 1500UT
ade bks cly cve cvw fhw hok kod pgr





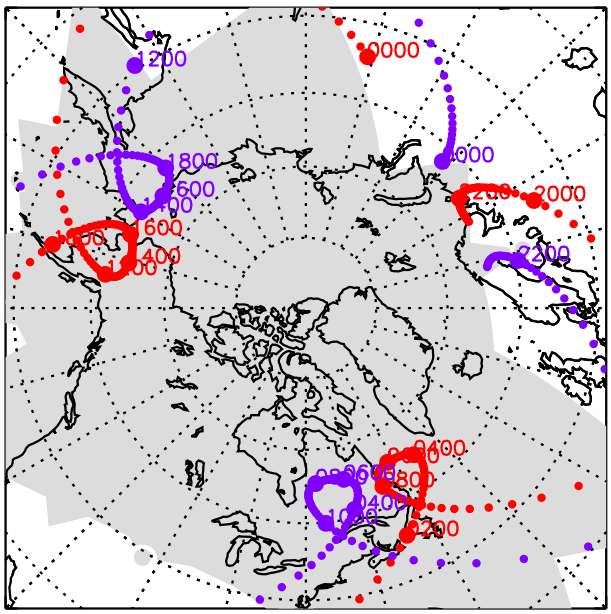


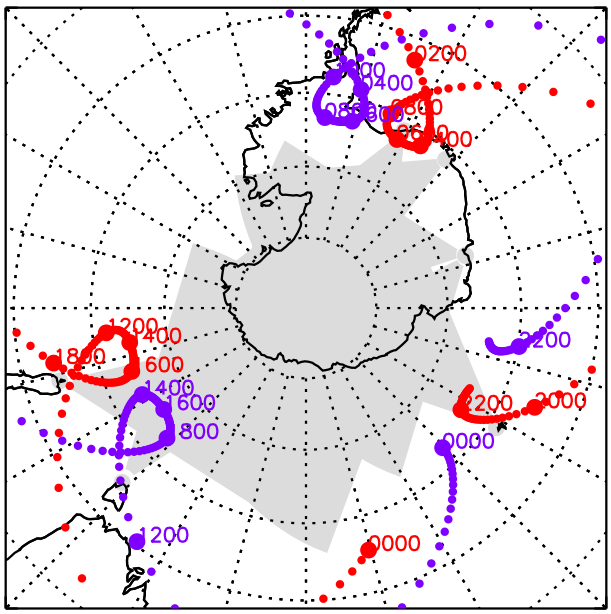

(c) 1820UT to 2355UT
adw pyk
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

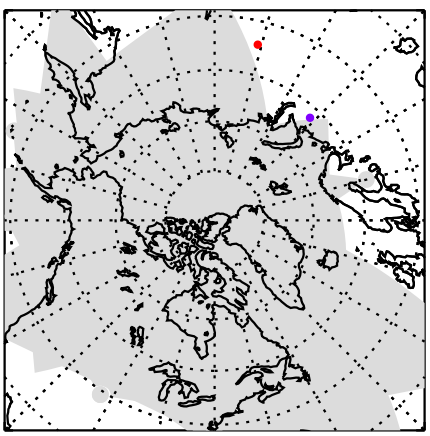
27–Jan–2013

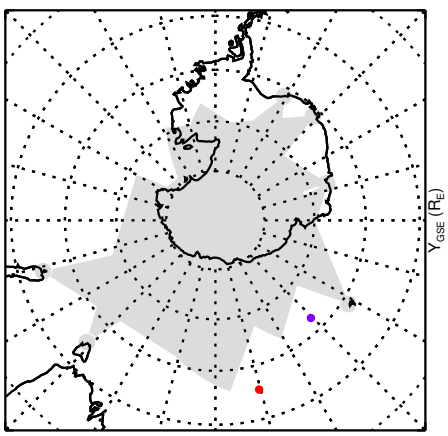
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

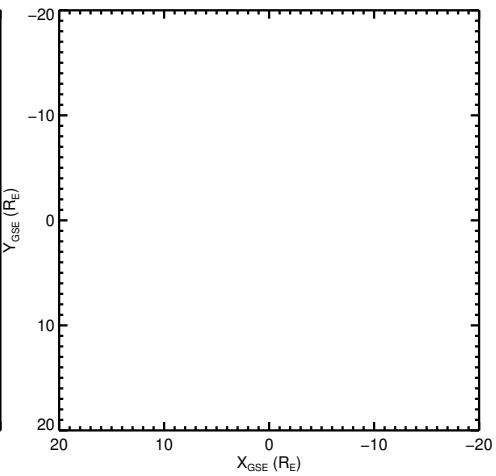




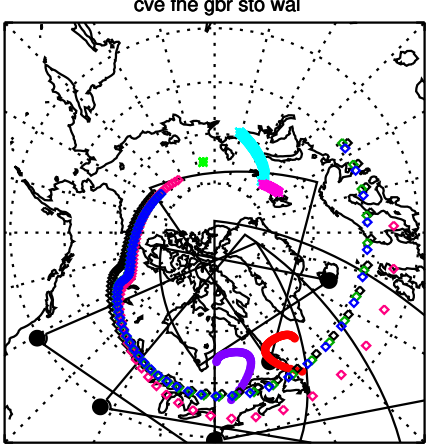
(a) 0000UT to 0000UT



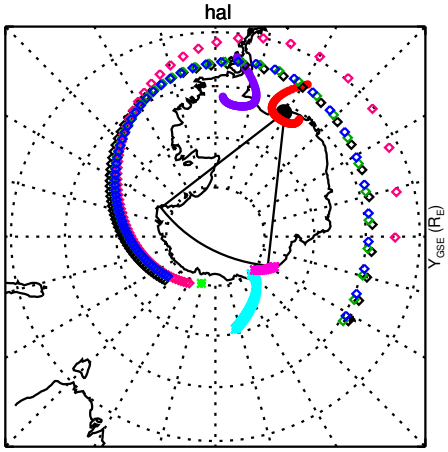


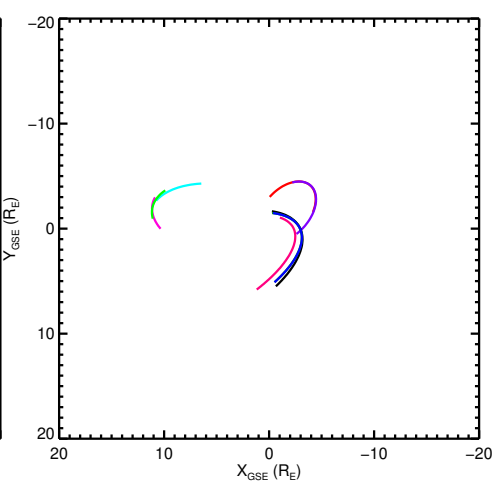


(b) 0325UT to 0855UT
cve fhe gbr sto wal

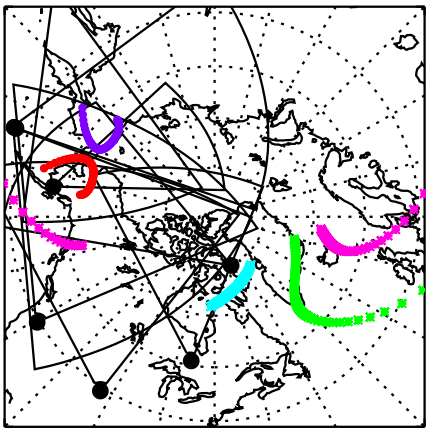


hal

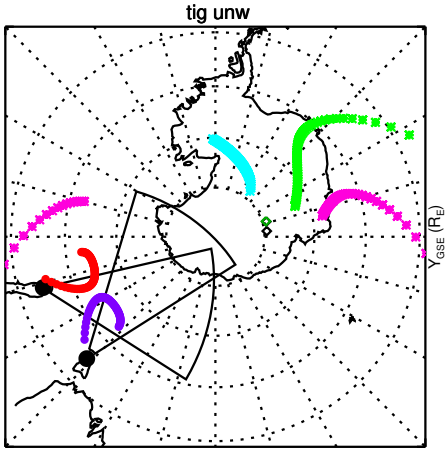


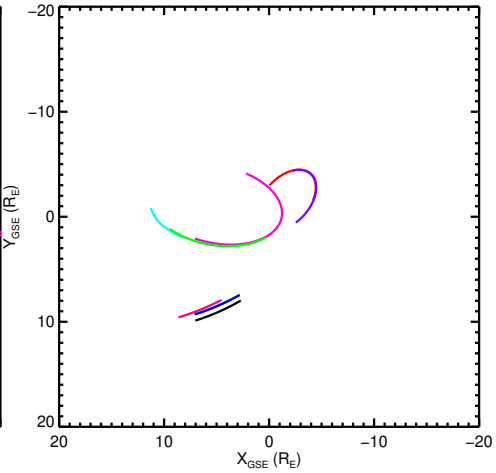


(c) 1225UT to 1755UT
ade adw cly cvw fhw hok kap ksr

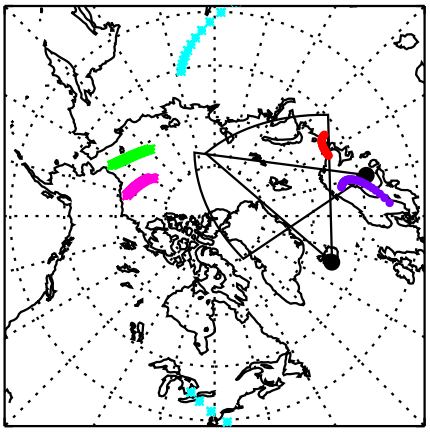


tig unw

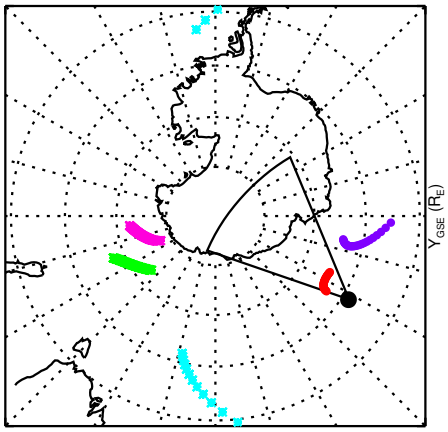


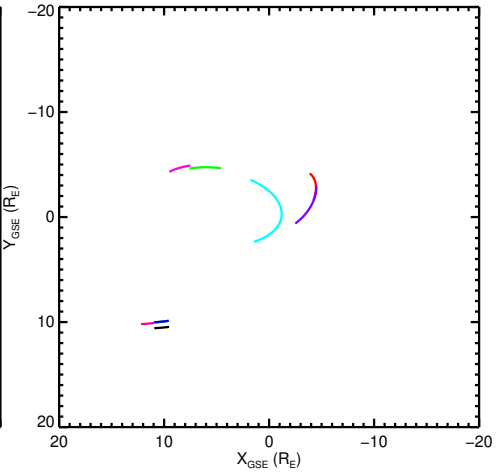


(d) 2125UT to 2355UT
han pyk



ker

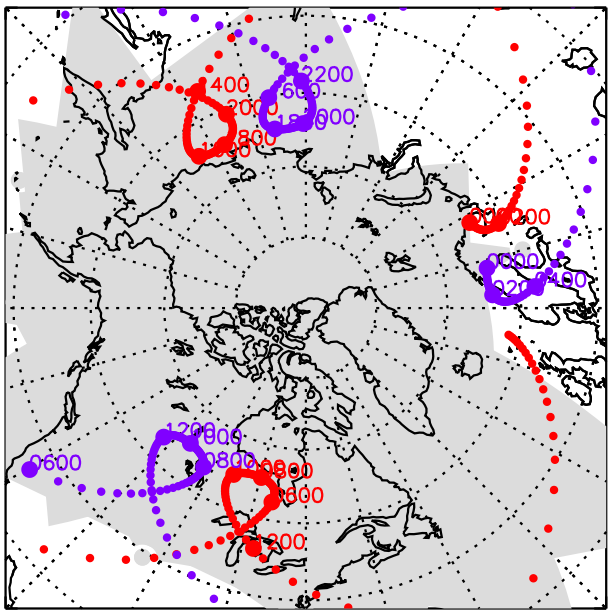


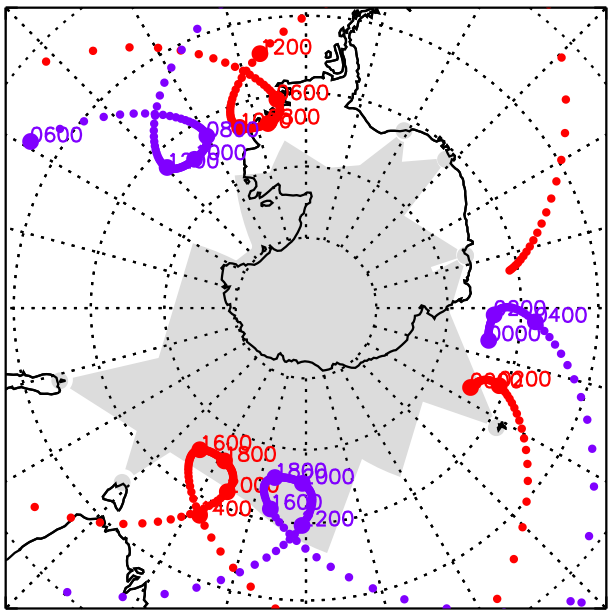


Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

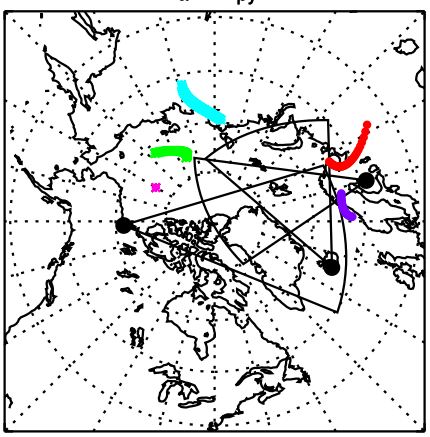
28–Jan–2013

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

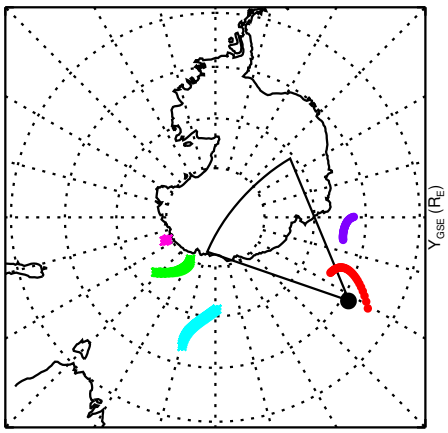


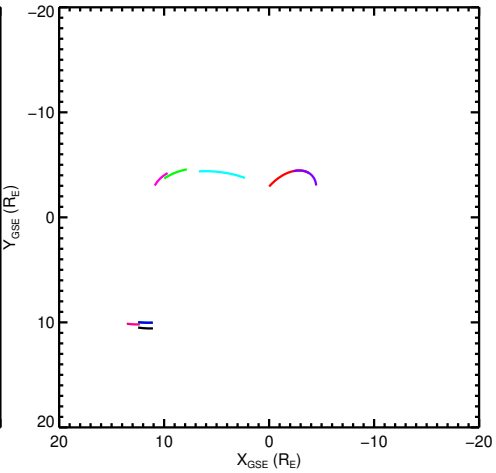


(a) 0000UT to 0255UT
han inv pyk

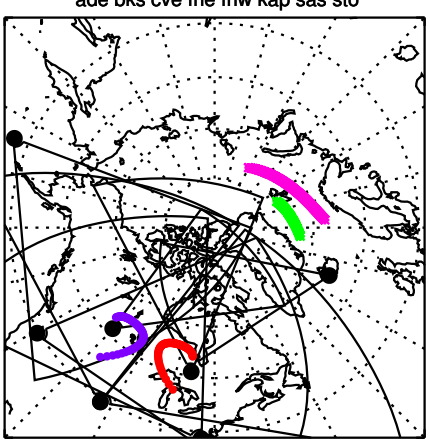


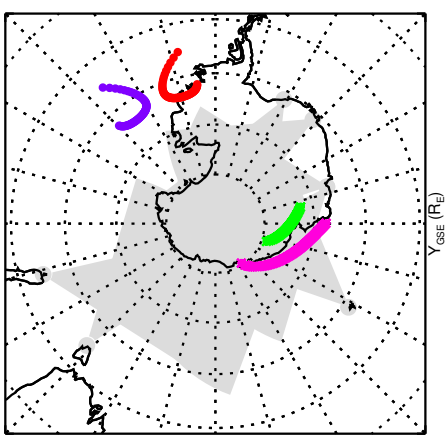
ker

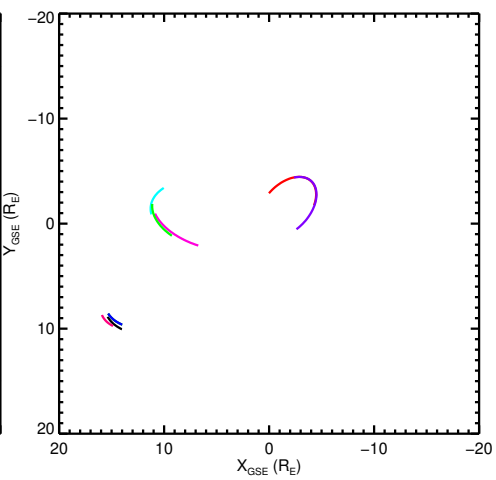


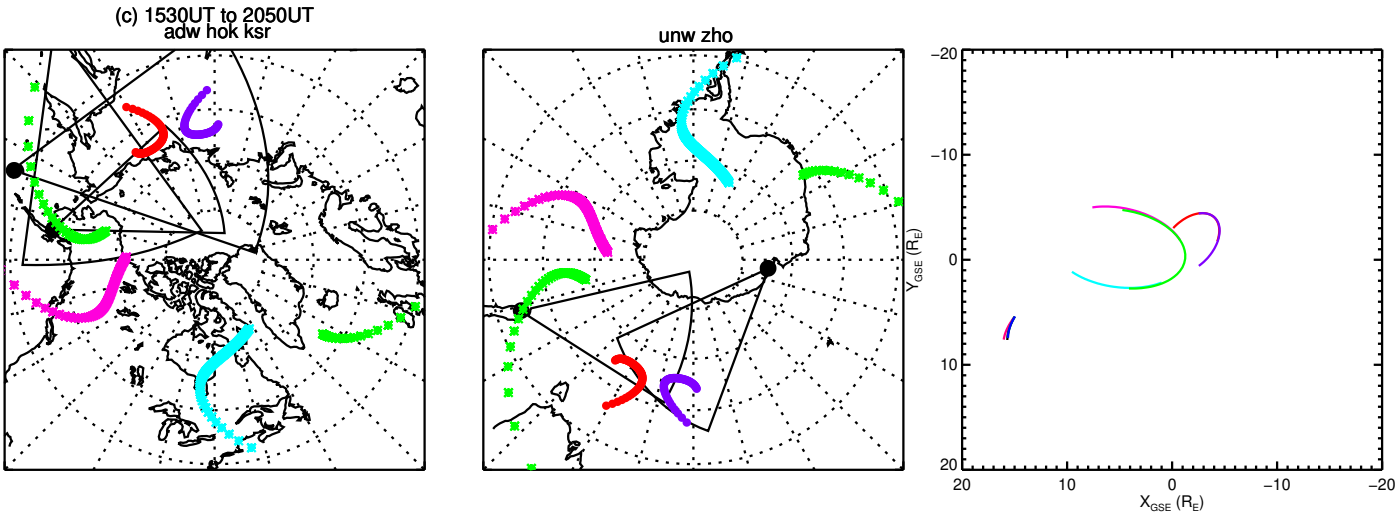


(b) 0630UT to 1155UT
ade bks cve fhe fhw kap sas sto





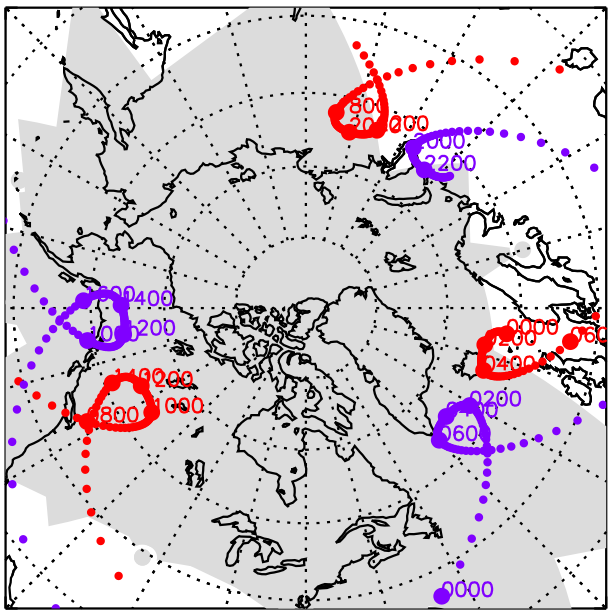


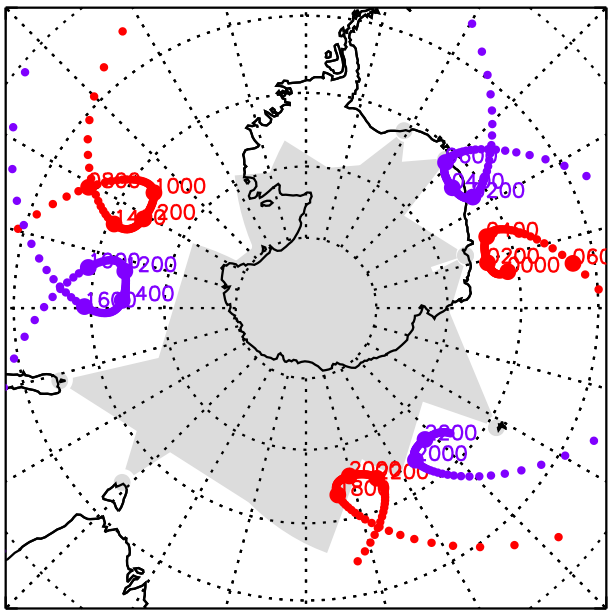

(c) 1530UT to 2050UT
adw hok ksr
unw zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

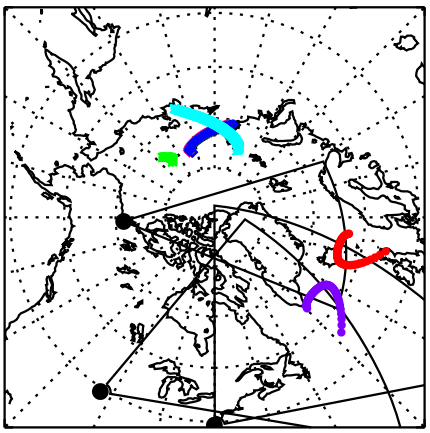
29–Jan–2013

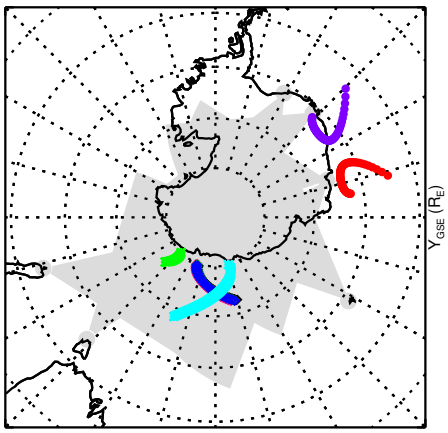
Top row: 24h footprints: RBSP–A RBSP–B
Bottom rows: Periods when both RBSP–A/B are at r > 3R_E. Also with: C1 C2 C3 C4 THA THD THE

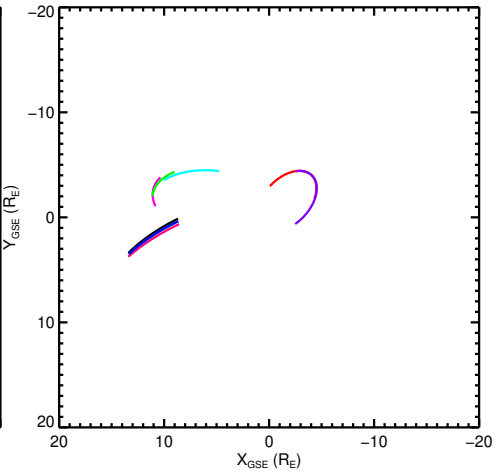




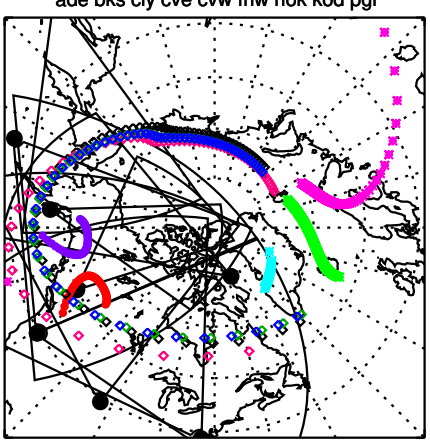
(a) 0030UT to 0550UT
fhe inv wal

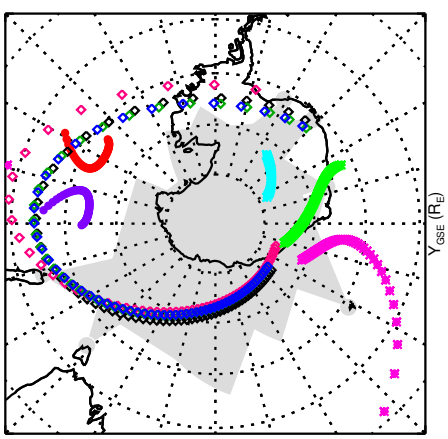


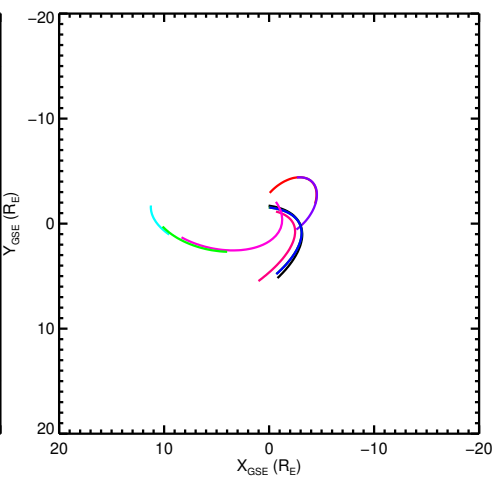


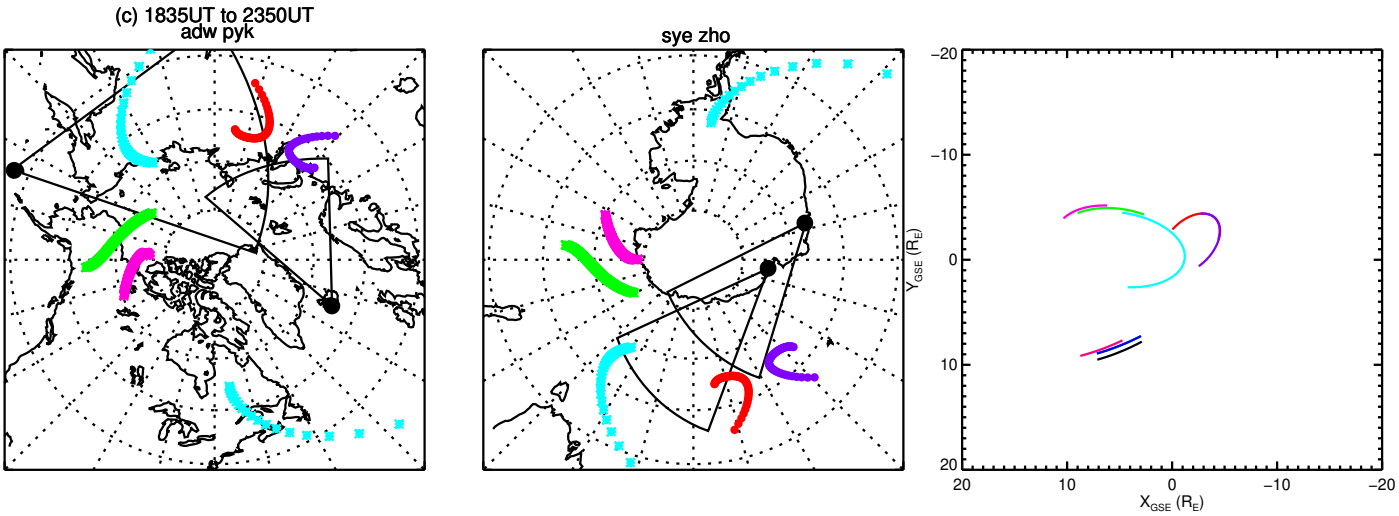


(b) 0935UT to 1450UT
ade bks cly cve cvw fhw hok kod pgr





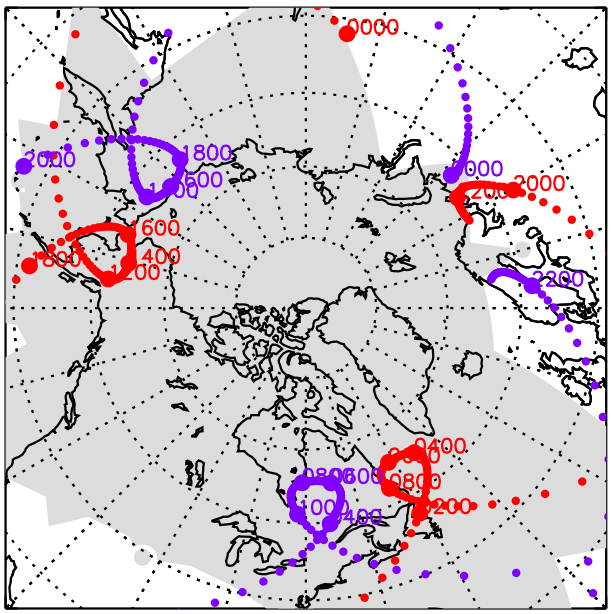


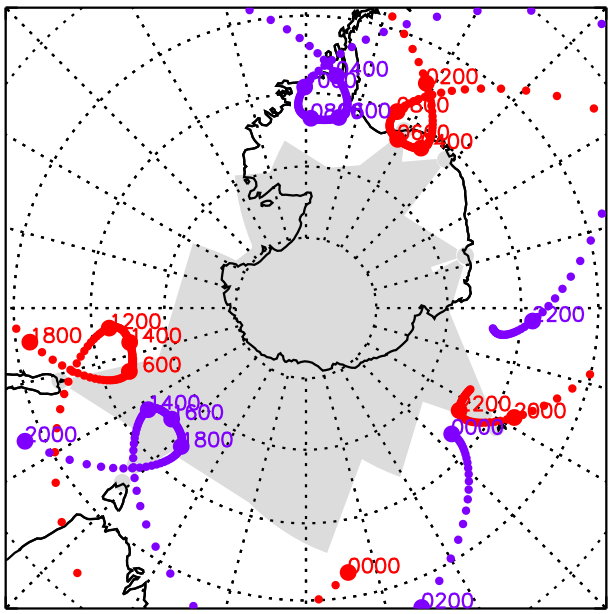

(c) 1835UT to 2350UT
adw pyk
sye zho
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

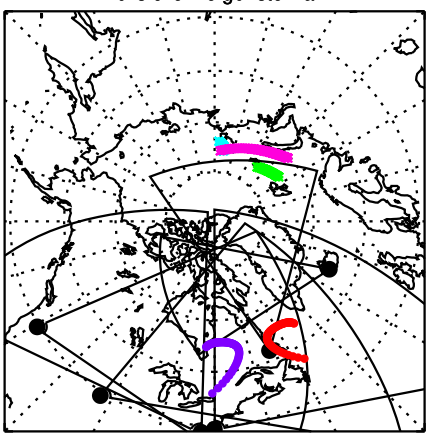
30–Jan–2013

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

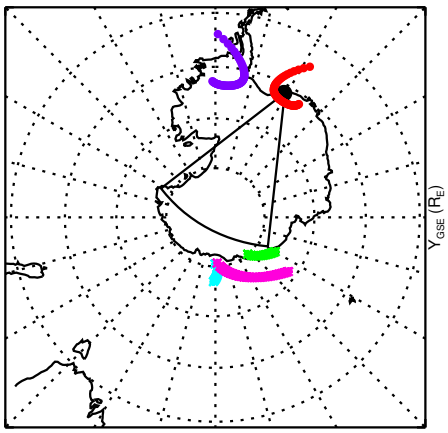


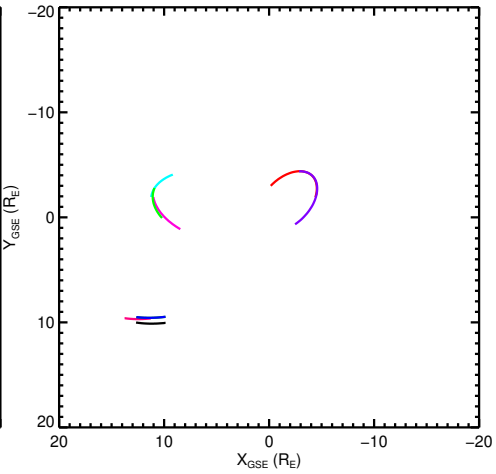


(a) 0335UT to 0845UT
bks cve fhe gbr sto wal

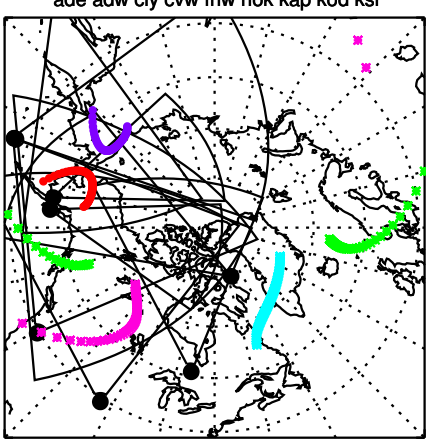


hal

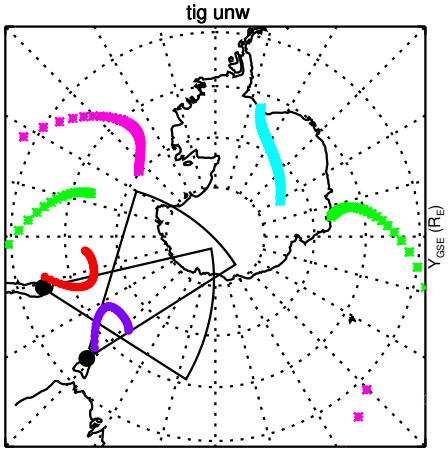


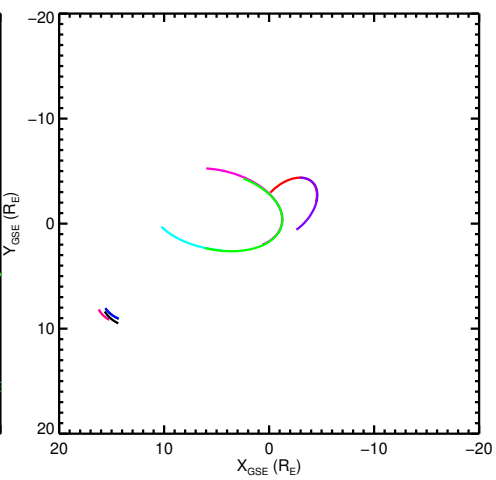


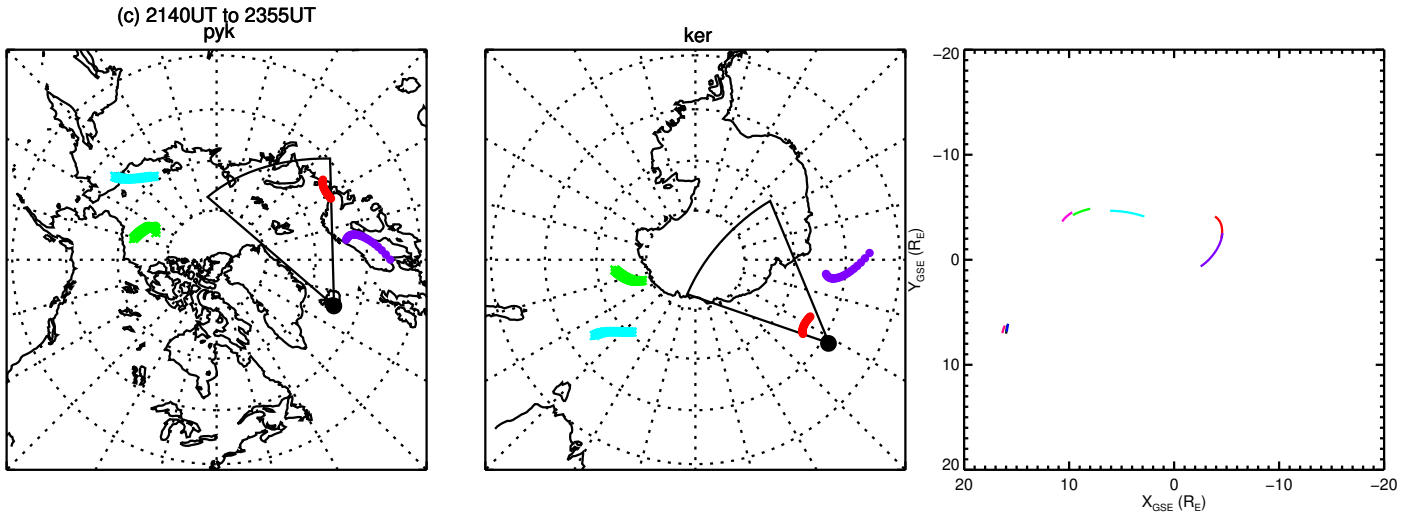
(b) 1240UT to 1745UT
ade adw cly cvw fhw hok kap kod ksr



tig unw



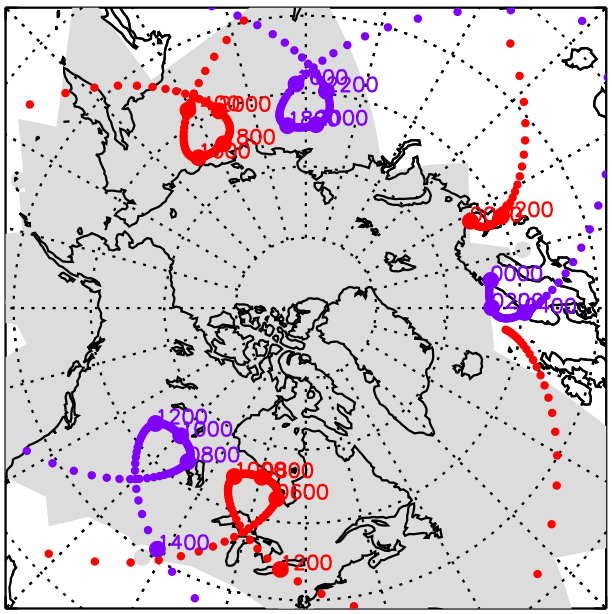


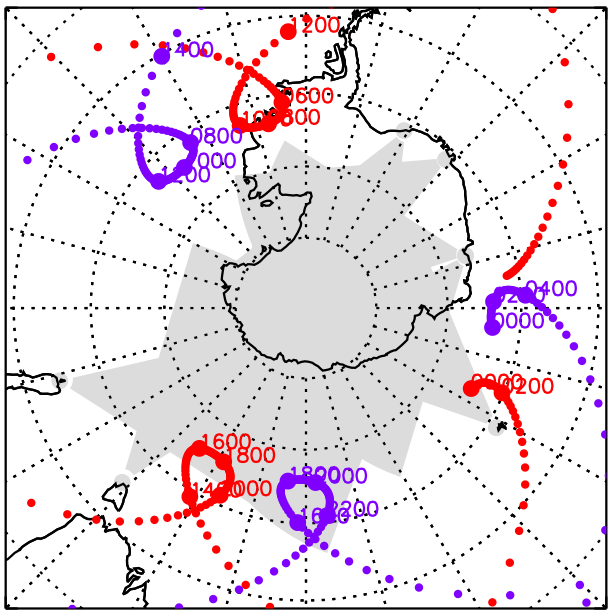

(c) 2140UT to 2355UT
pyk
ker
−20
−10
0
10
20
Y_{GSE} (R_E)
20
10
0
−10
−20
X_{GSE} (R_E)

Predicted RBSP footprints
(AACGM magnetic longitude and latitude)

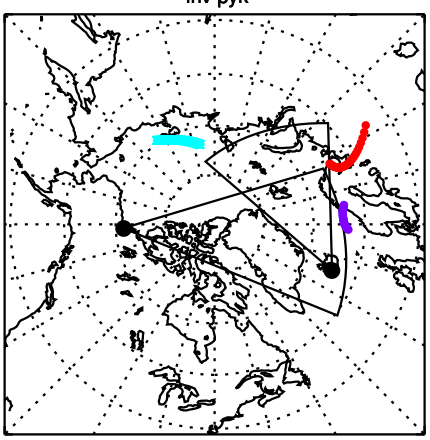
31–Jan–2013

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

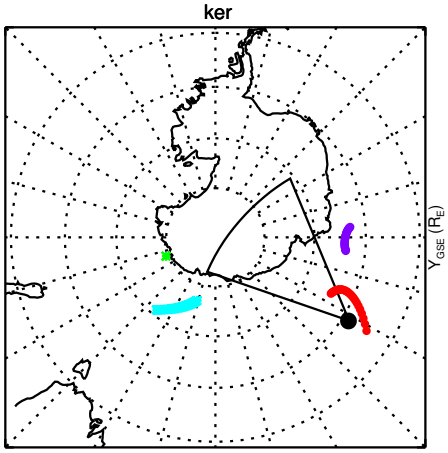


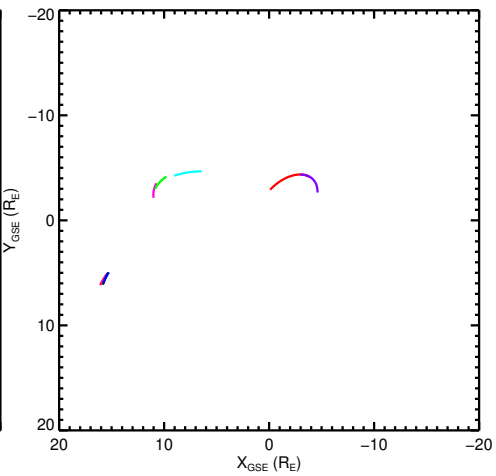


(a) 0000UT to 0245UT
inv pyk

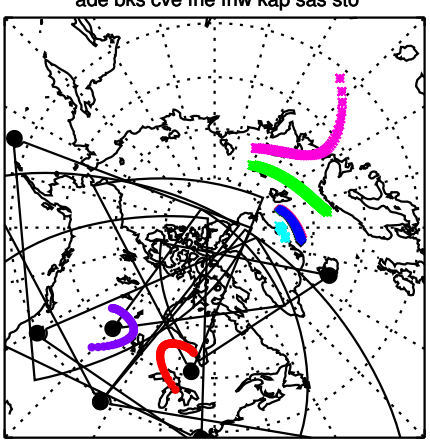


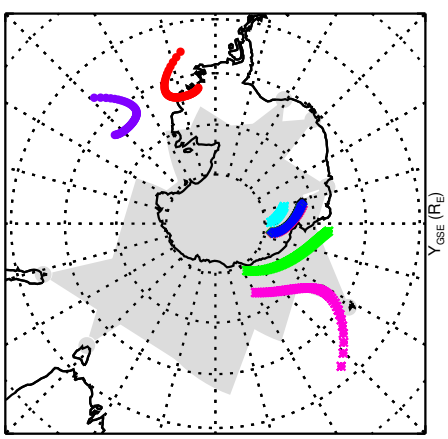
ker

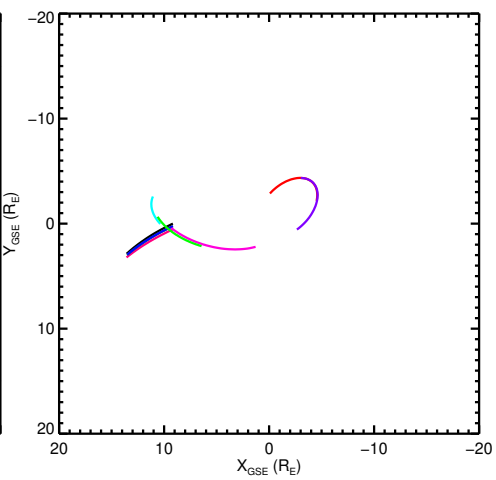


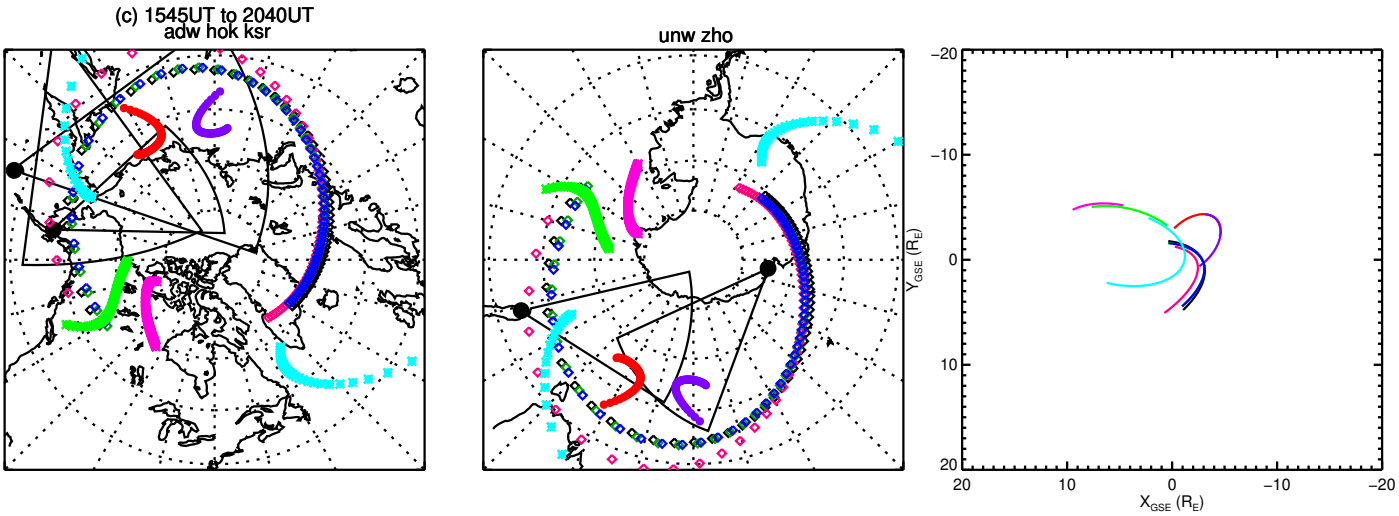


(b) 0645UT to 1145UT
ade bks cve fhe fhw kap sas sto








(c) 1545UT to 2040UT
adw hok ksr
unw zho
−20
−10
0
10
20
20
10
0
−10
−20
Y_{GSE} (R_E)
X_{GSE} (R_E)