

IR BT & Lightning

t: 2023101100 (21.9 LT)

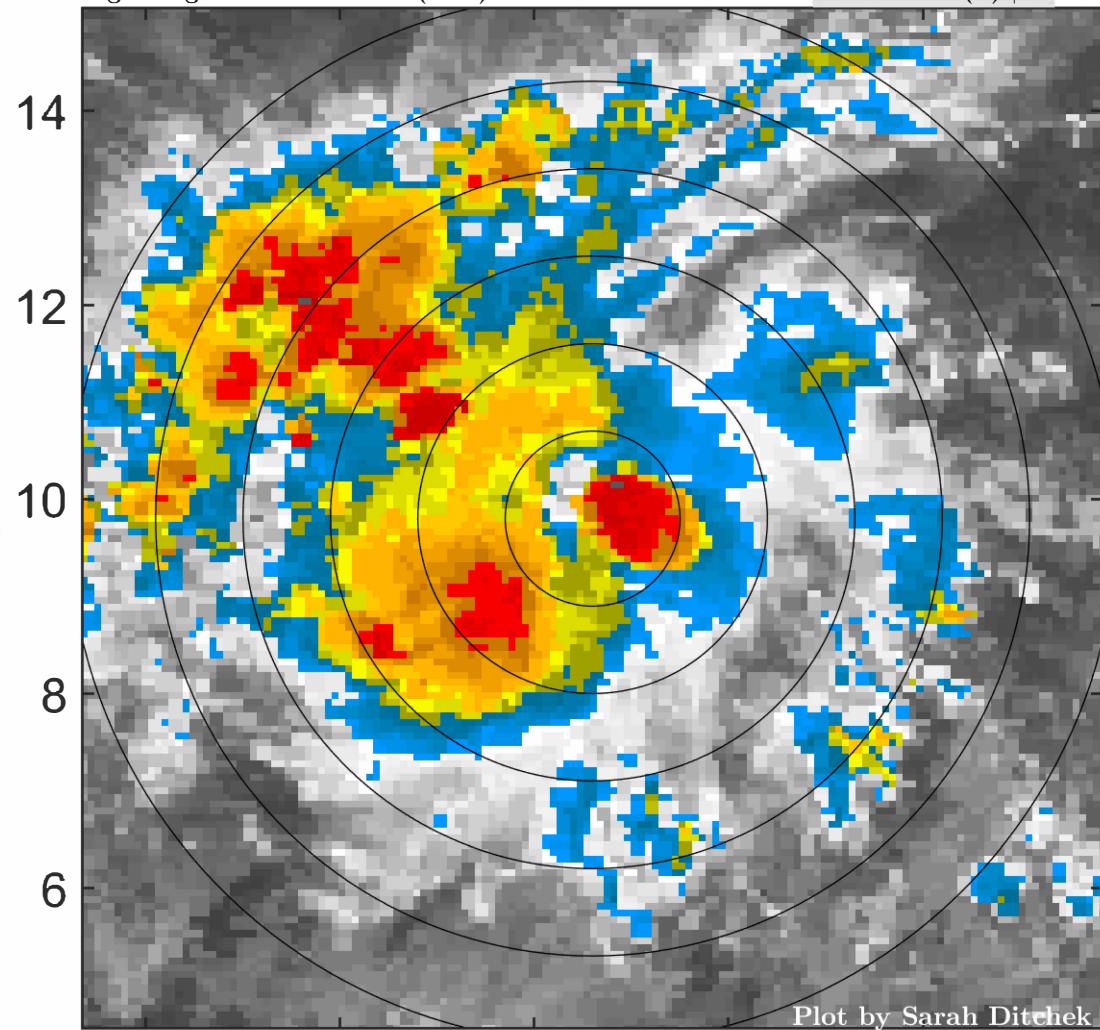
Lightning: 21.9 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 35 kt TS

S: 2.8 m s⁻¹ (L) | H: 40°

Latitude



6-h IR BT Differences & Lightning

Δ t: 2023101100 (21.9 LT) - 2023101018 (16 LT)

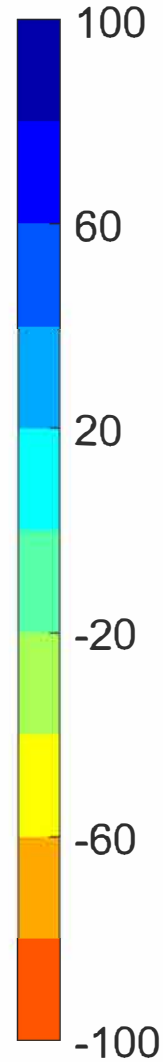
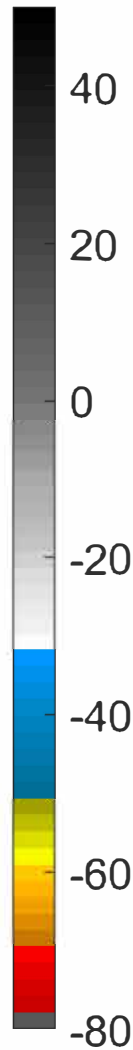
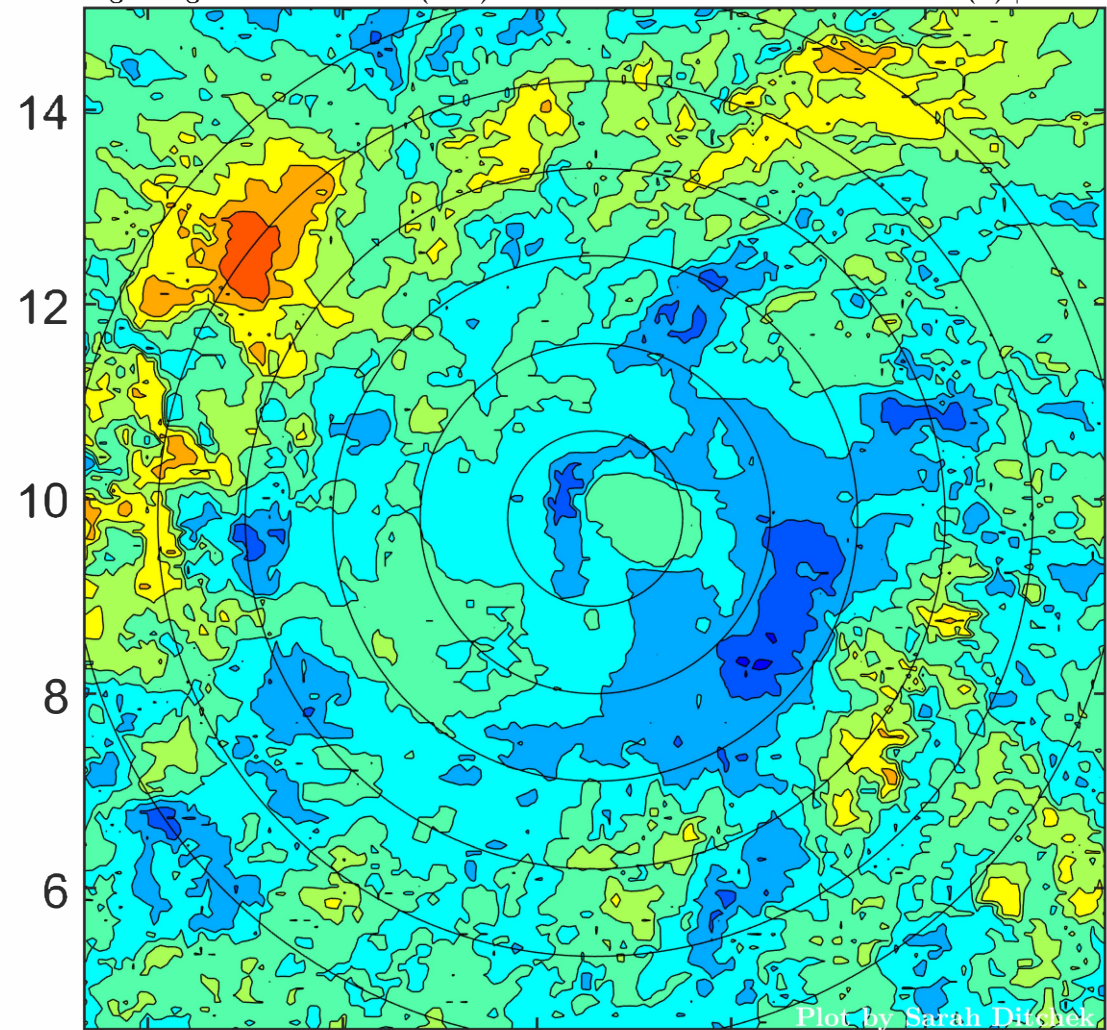
Lightning: 21.9 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 35 kt TS

S: 2.8 m s⁻¹ (L) | H: 40°

Latitude



IR BT & Lightning

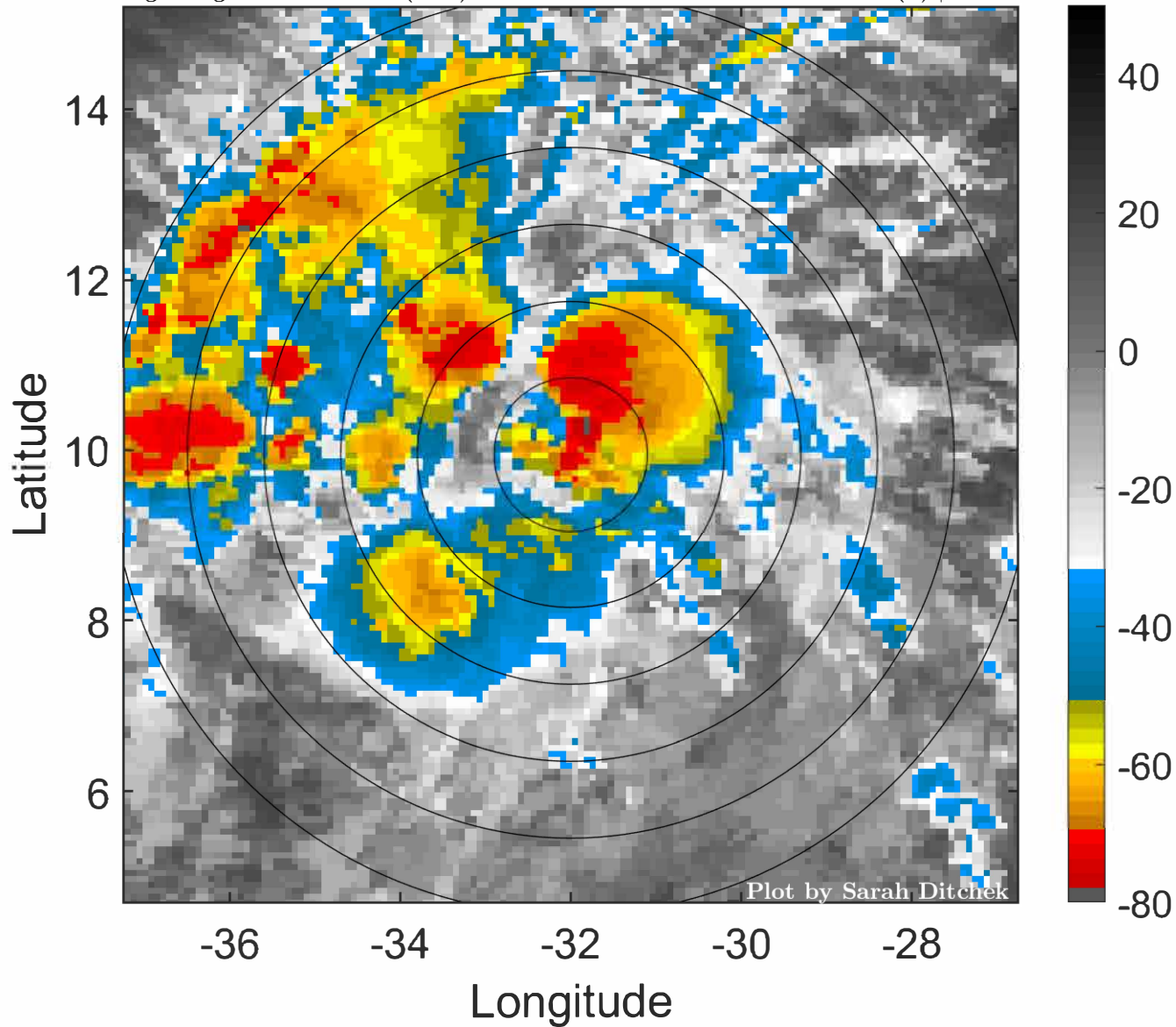
t: 2023101103 (0.9 LT)

Lightning: 0.9 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 35 kt TS

S: 2.6 m s⁻¹ (L) | H: 41°



6-h IR BT Differences & Lightning

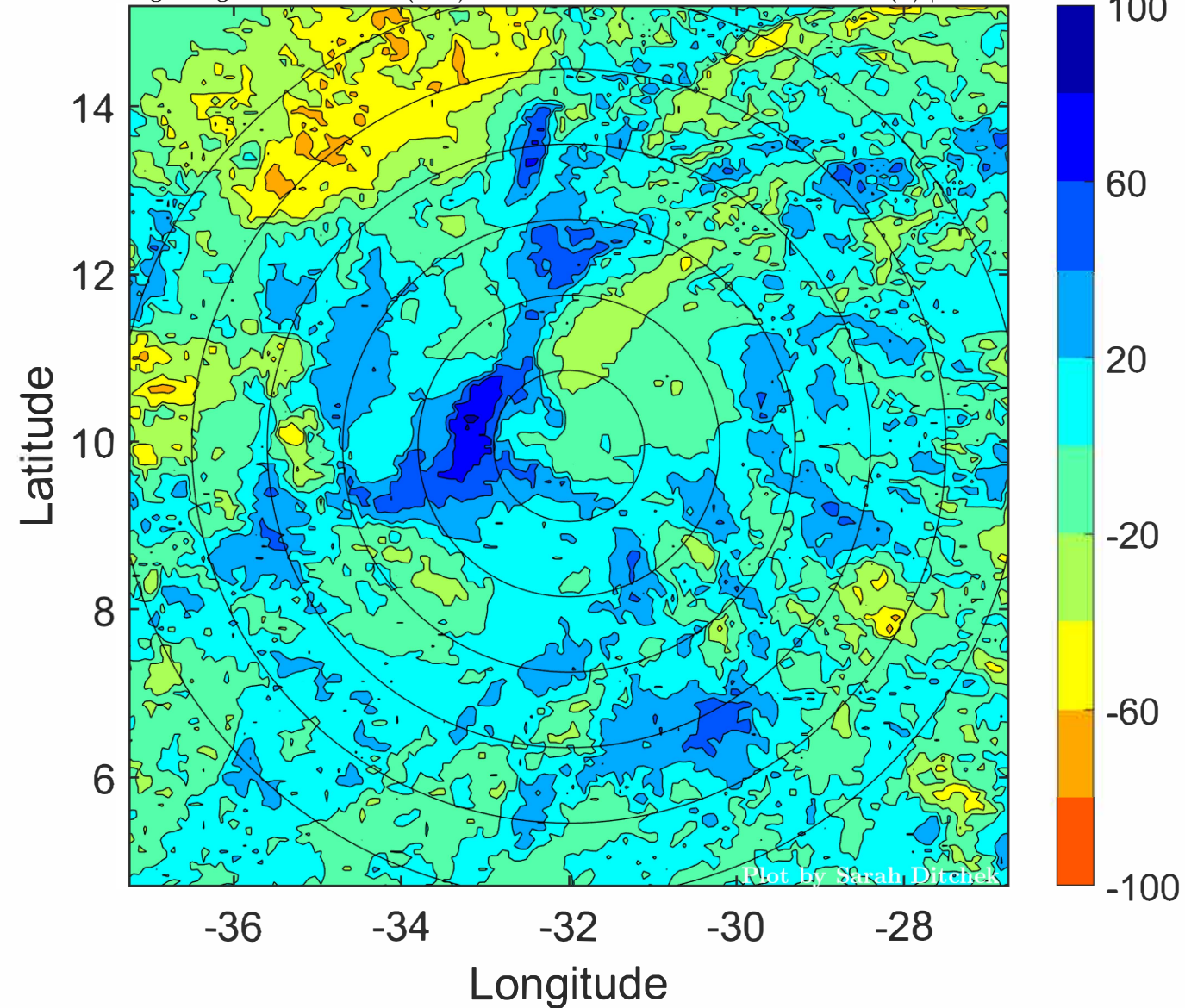
Δ t: 2023101103 (0.9 LT) - 2023101021 (18.9 LT)

Lightning: 0.9 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 35 kt TS

S: 2.6 m s⁻¹ (L) | H: 41°



IR BT & Lightning

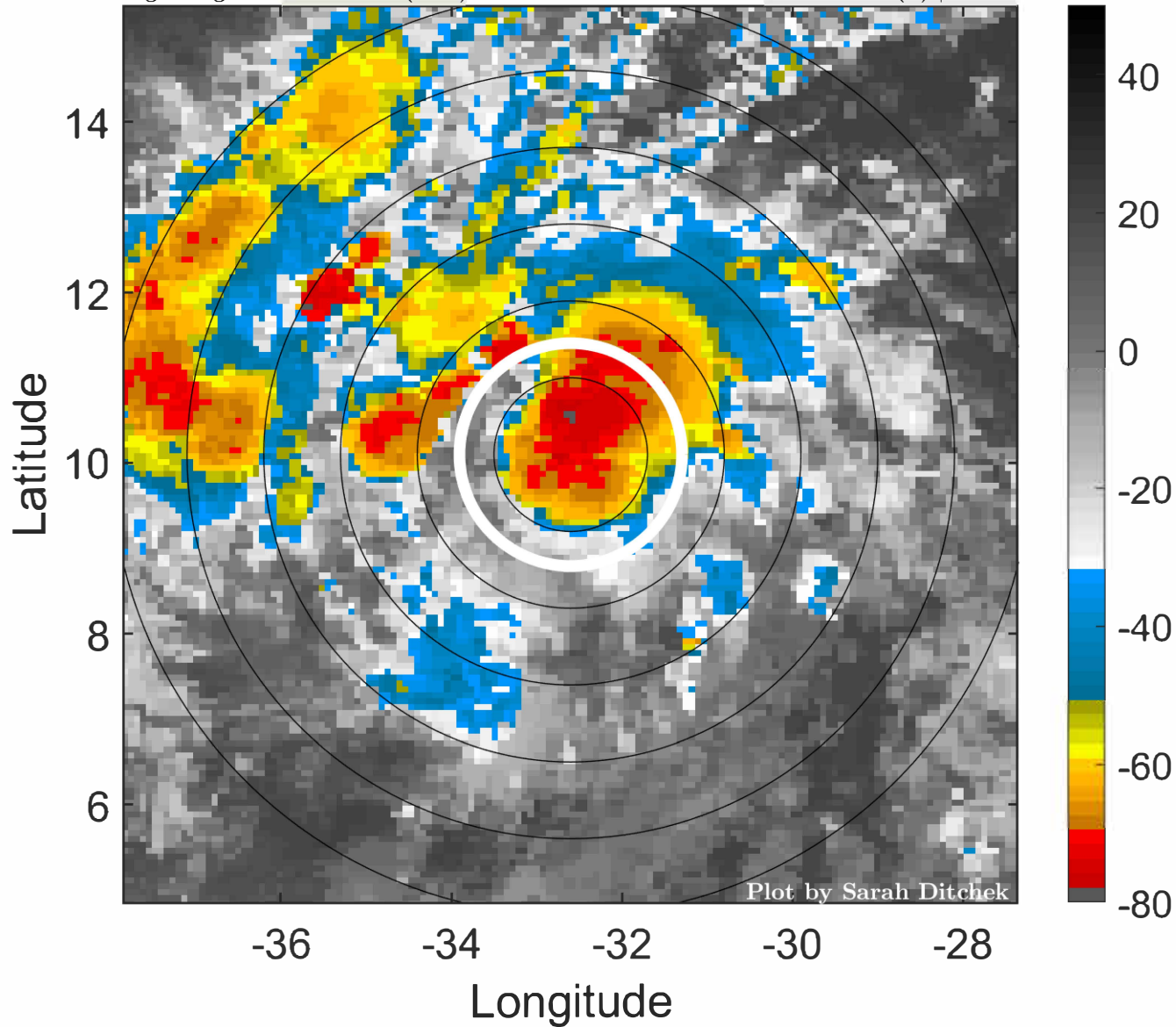
t: 2023101106 (3.8 LT)

Lightning: 3.8 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 35 kt TS

S: 2.4 m s⁻¹ (L) | H: 42°



6-h IR BT Differences & Lightning

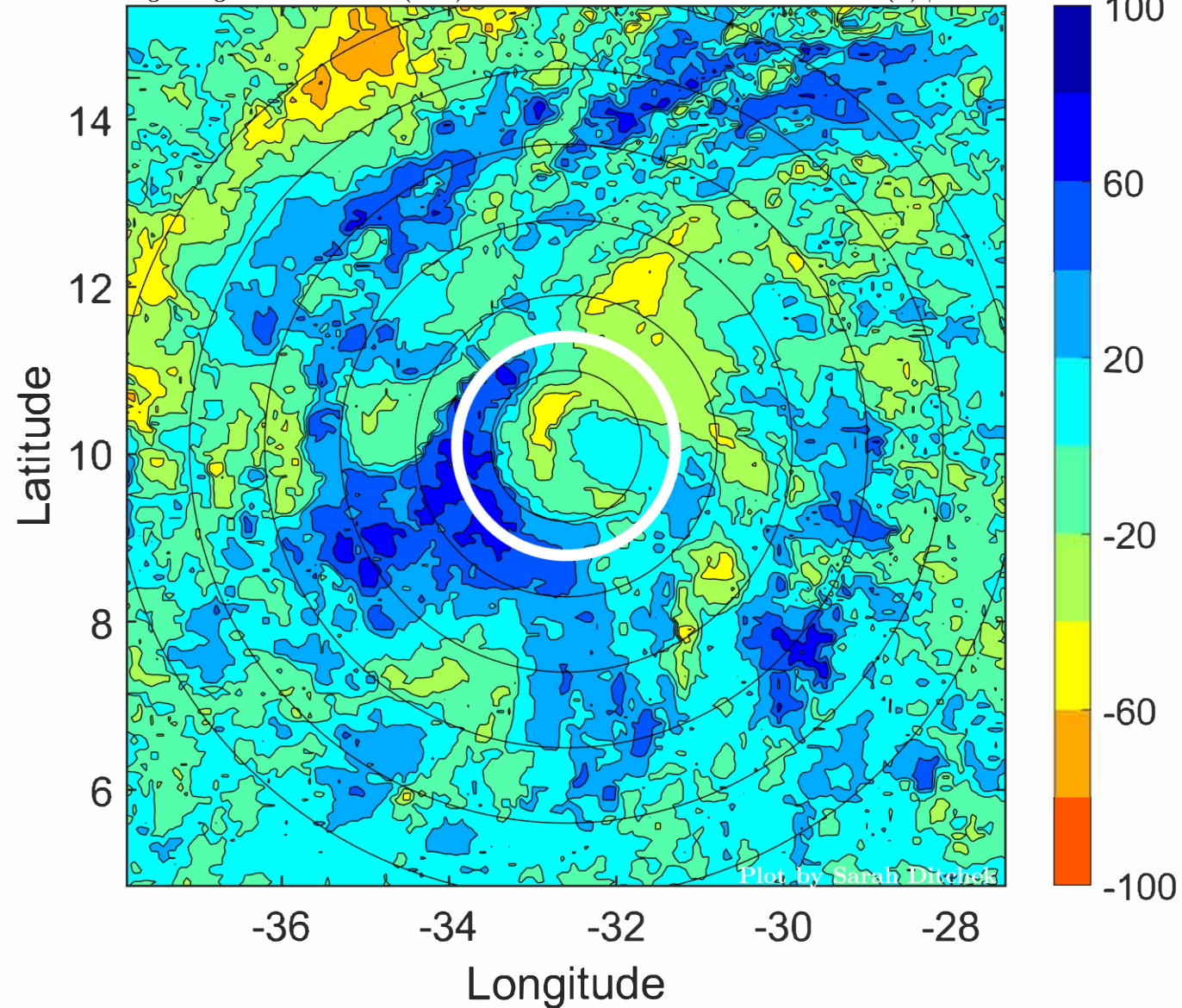
Δ t: 2023101106 (3.8 LT) - 2023101100 (21.9 LT)

Lightning: 3.8 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 35 kt TS

S: 2.4 m s⁻¹ (L) | H: 42°



IR BT & Lightning

t: 2023101109 (6.8 LT)

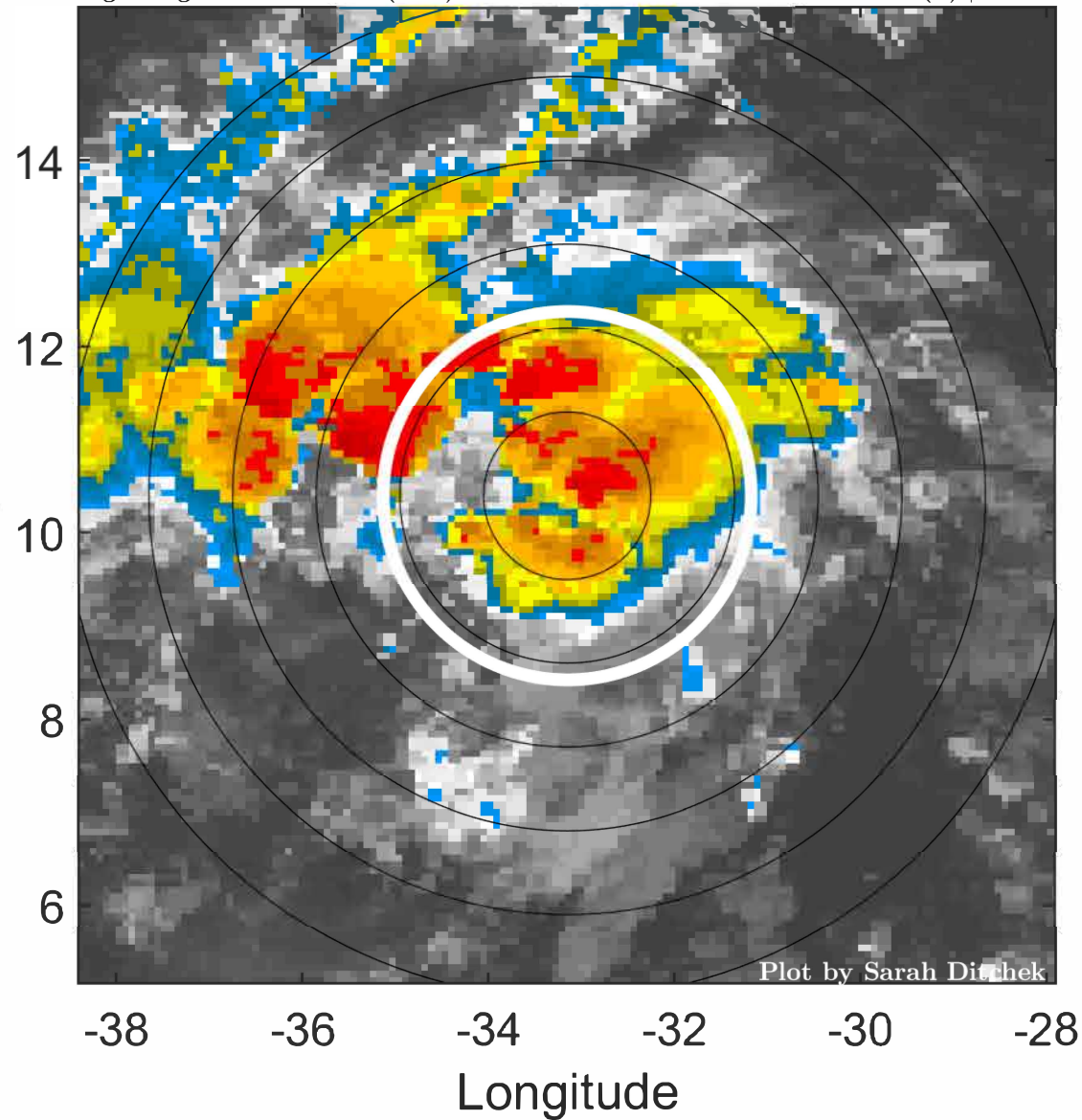
Lightning: 6.8 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 35 kt TS

S: 3 m s⁻¹ (L) | H: 45°

Latitude



6-h IR BT Differences & Lightning

Δ t: 2023101109 (6.8 LT) - 2023101103 (0.9 LT)

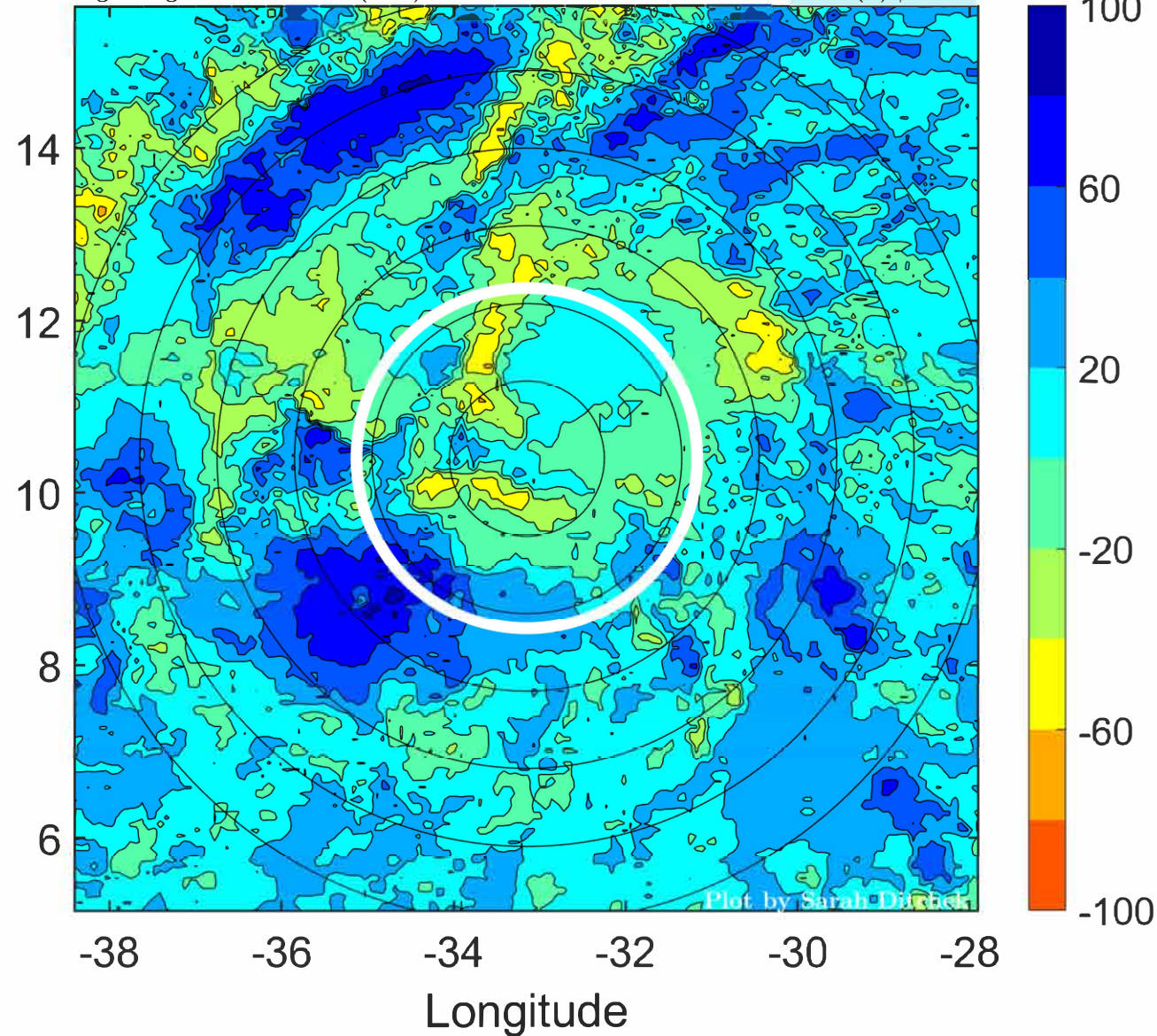
Lightning: 6.8 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 35 kt TS

S: 3 m s⁻¹ (L) | H: 45°

Latitude



IR BT & Lightning

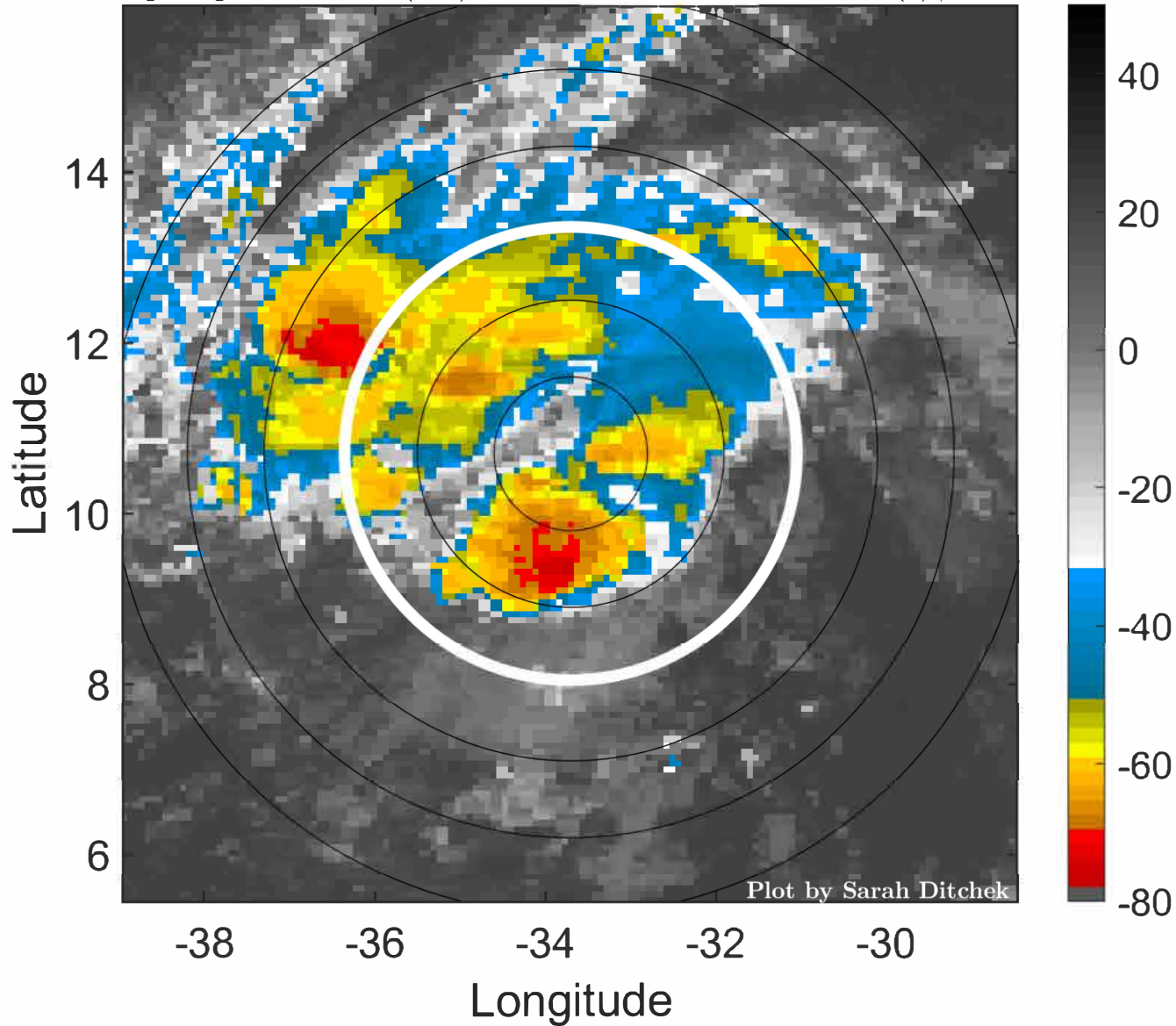
t: 2023101112 (9.8 LT)

Lightning: 9.8 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 35 kt TS

S: 3.6 m s⁻¹ (L) | H: 48°



6-h IR BT Differences & Lightning

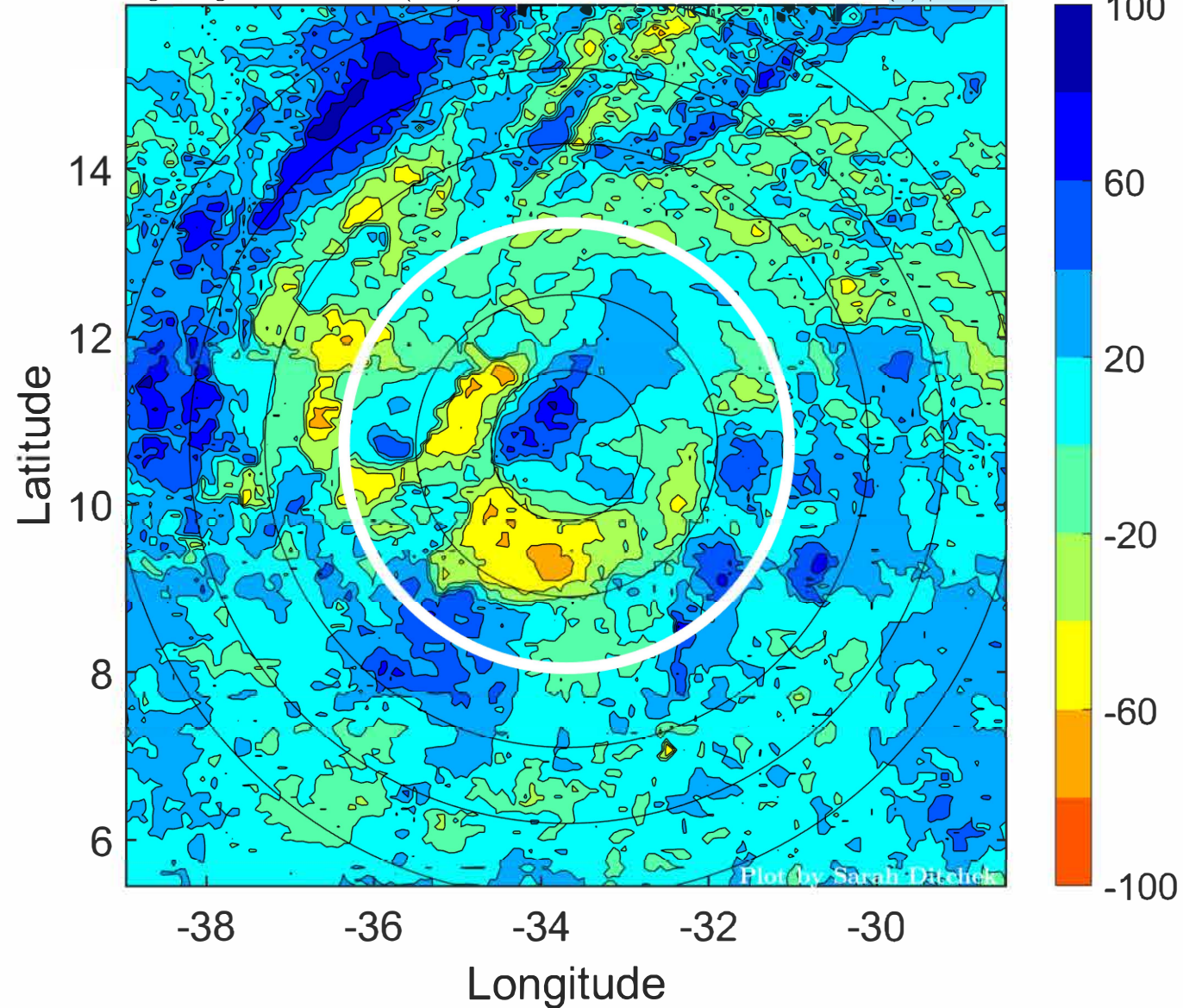
Δ t: 2023101112 (9.8 LT) - 2023101106 (3.8 LT)

Lightning: 9.8 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 35 kt TS

S: 3.6 m s⁻¹ (L) | H: 48°



IR BT & Lightning

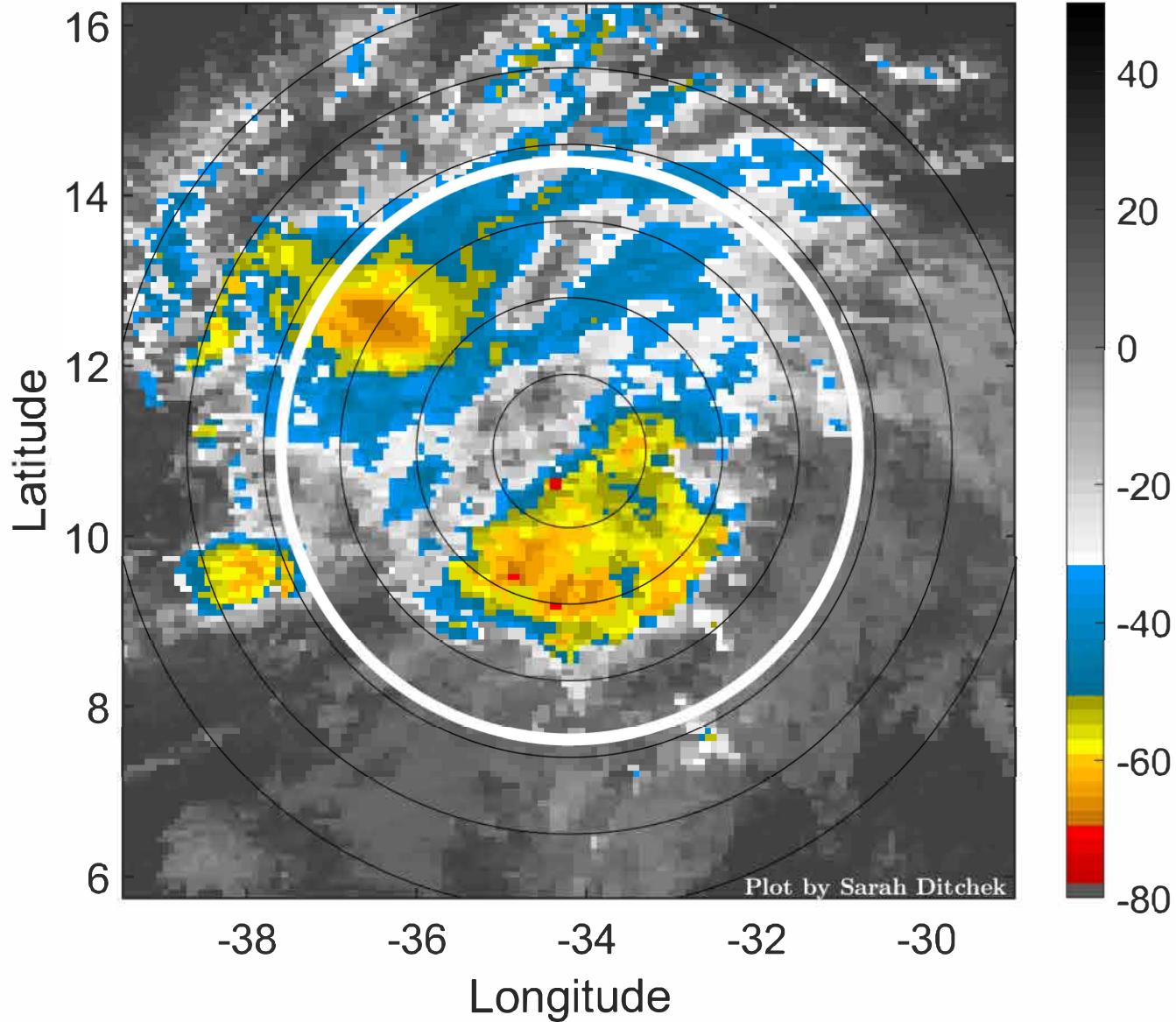
t: 2023101115 (12.7 LT)

Lightning: 12.7 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 32.5 kt TD

S: 4.2 m s⁻¹ (L) | H: 54°



6-h IR BT Differences & Lightning

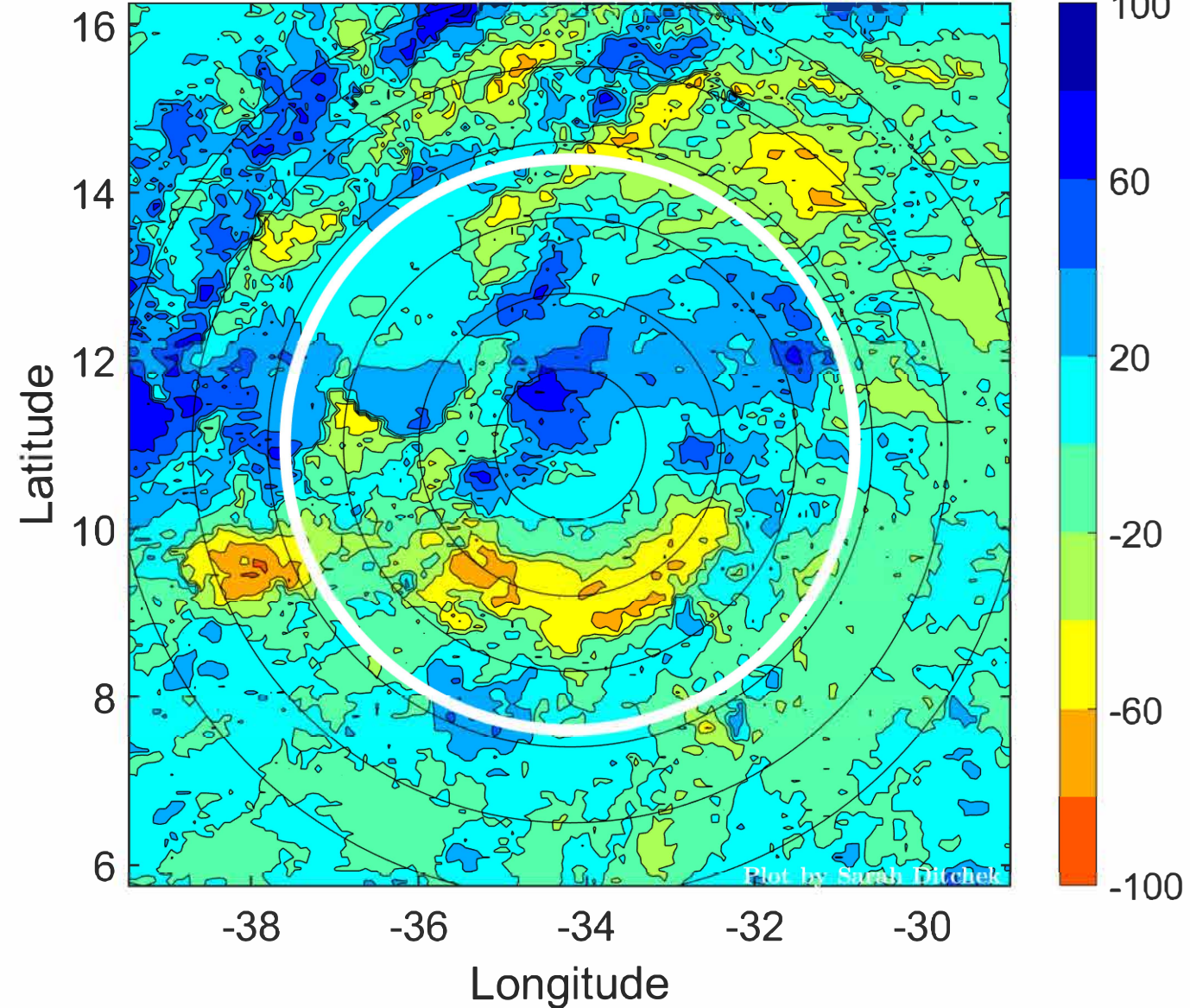
Δ t: 2023101115 (12.7 LT) - 2023101109 (6.8 LT)

Lightning: 12.7 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 32.5 kt TD

S: 4.2 m s⁻¹ (L) | H: 54°



IR BT & Lightning

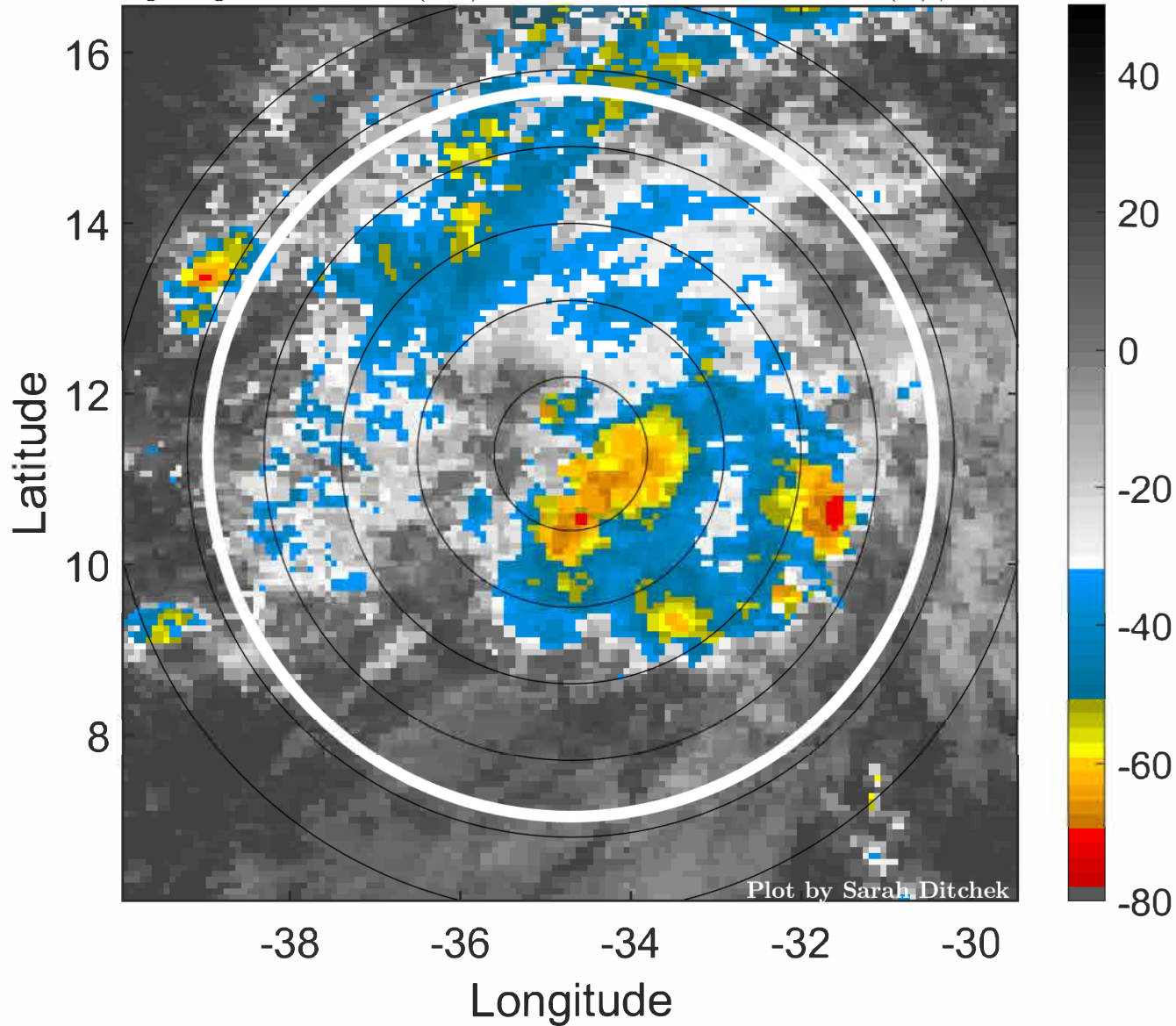
t: 2023101118 (15.7 LT)

Lightning: 15.7 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 4.8 m s⁻¹ (M) | H: 60°



6-h IR BT Differences & Lightning

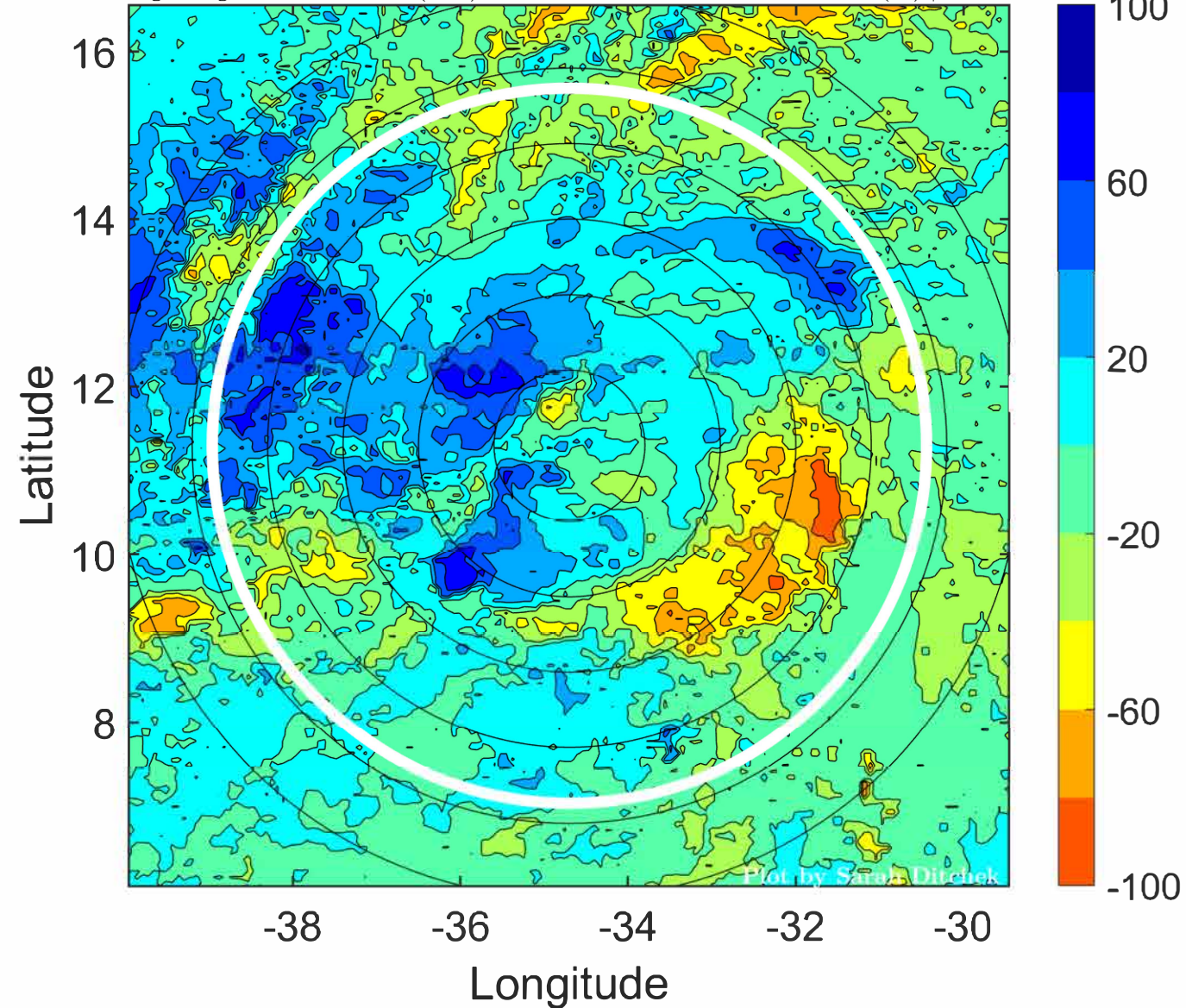
Δ t: 2023101118 (15.7 LT) - 2023101112 (9.8 LT)

Lightning: 15.7 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 4.8 m s⁻¹ (M) | H: 60°



IR BT & Lightning

t: 2023101121 (18.7 LT)

Lightning: 18.7 LT $\pm$ 1.5 h (dots)

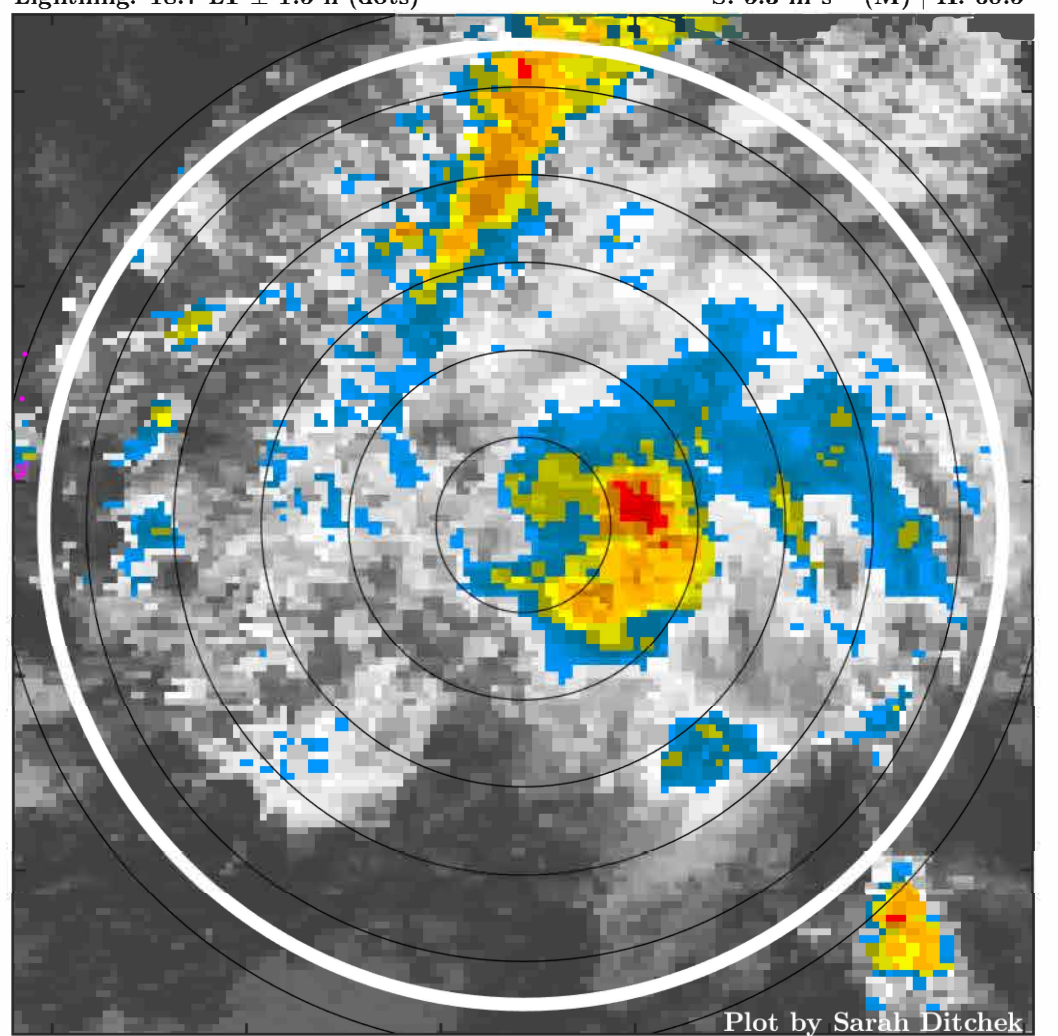
PT: LLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 5.3 m s⁻¹ (M) | H: 60.5°

Latitude

16
14
12
10
8



40
20
0
-20
-40
-60
-80

-40 -38 -36 -34 -32 -30

Longitude

6-h IR BT Differences & Lightning

Δ t: 2023101121 (18.7 LT) - 2023101115 (12.7 LT)

Lightning: 18.7 LT $\pm$ 1.5 h (dots)

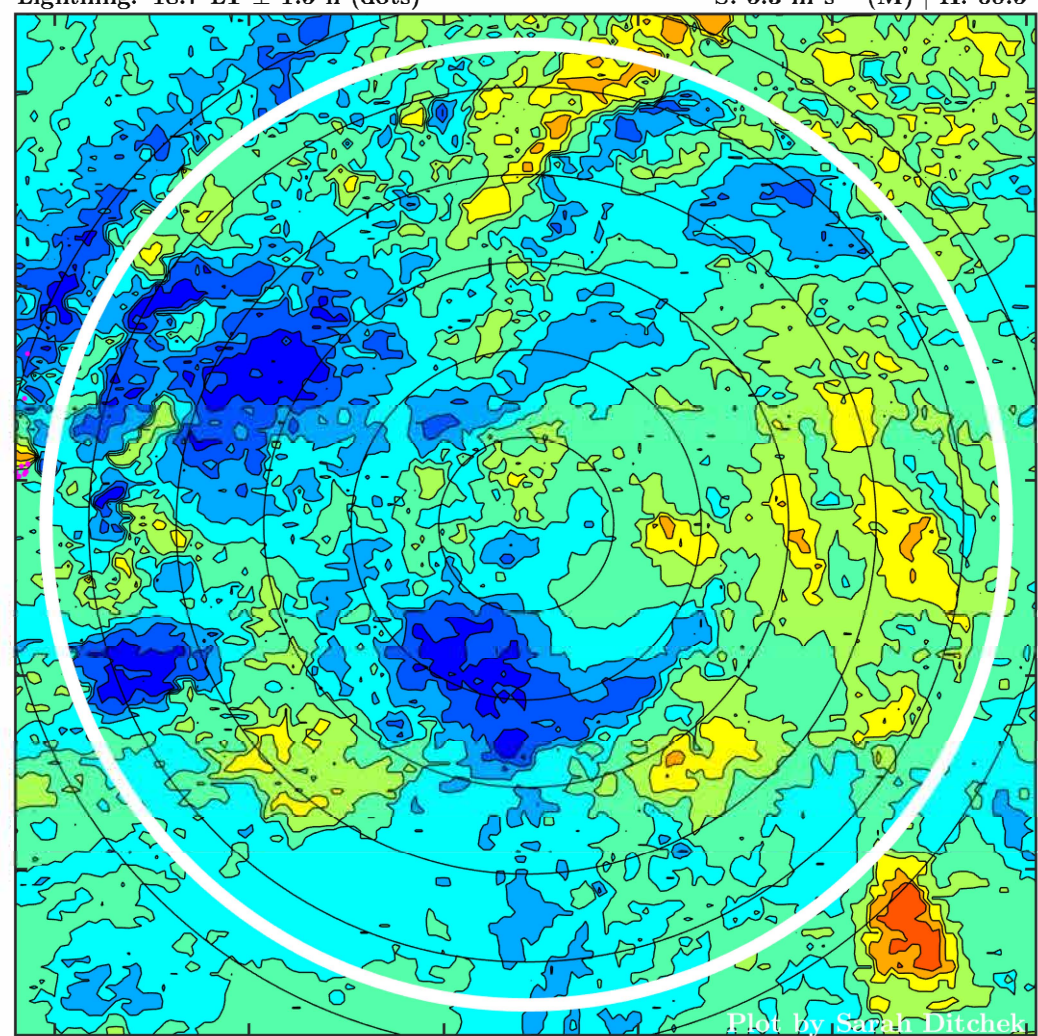
PT: LLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 5.3 m s⁻¹ (M) | H: 60.5°

Latitude

16
14
12
10
8



100
60
20
-20
-60
-100

-40 -38 -36 -34 -32 -30

Longitude

IR BT & Lightning

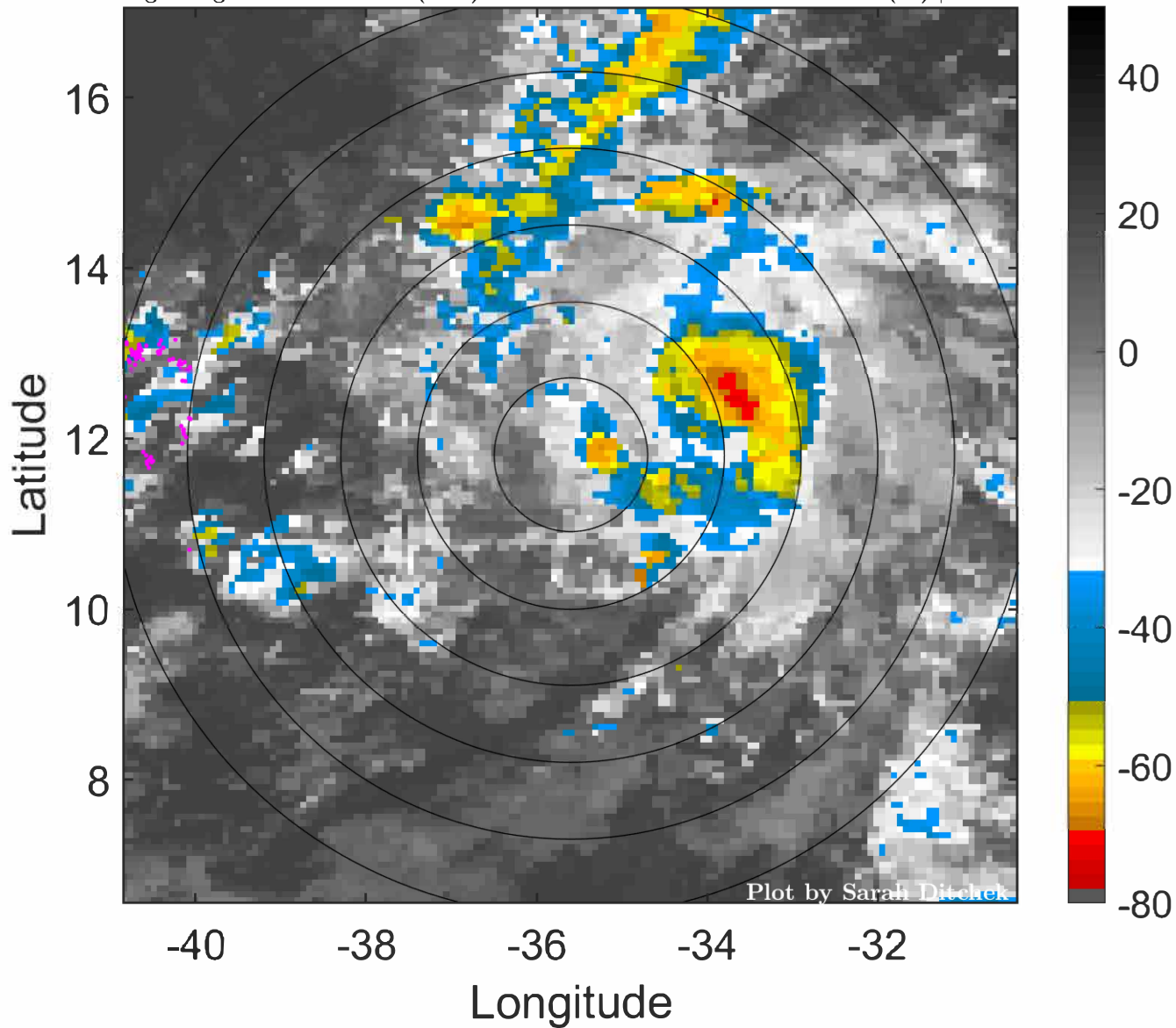
t: 2023101200 (21.6 LT)

Lightning: 21.6 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 5.7 m s⁻¹ (M) | H: 61°



6-h IR BT Differences & Lightning

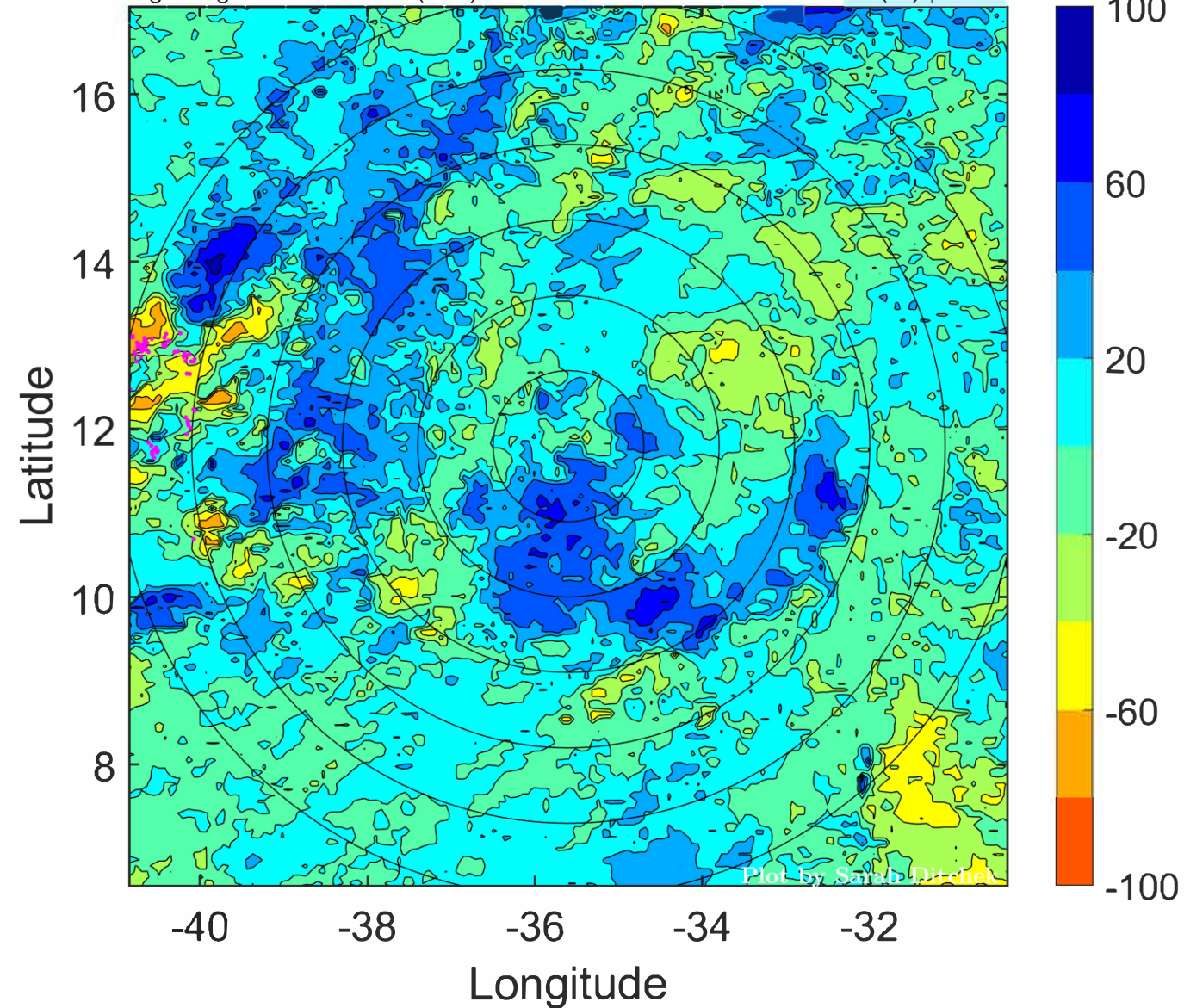
Δ t: 2023101200 (21.6 LT) - 2023101118 (15.7 LT)

Lightning: 21.6 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 5.7 m s⁻¹ (M) | H: 61°



IR BT & Lightning

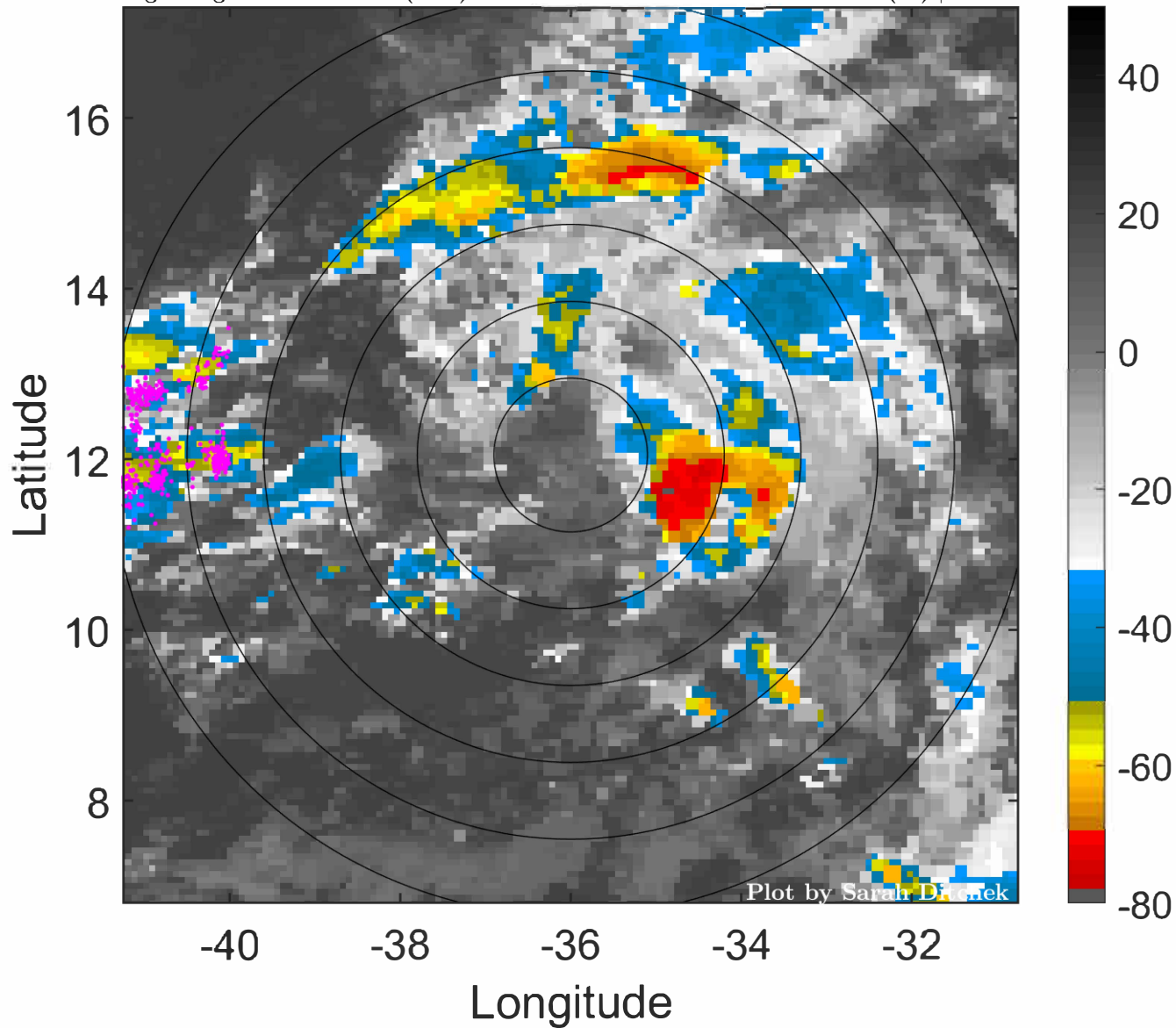
t: 2023101203 (0.6 LT)

Lightning: 0.6 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 6.5 m s⁻¹ (M) | H: 67°



6-h IR BT Differences & Lightning

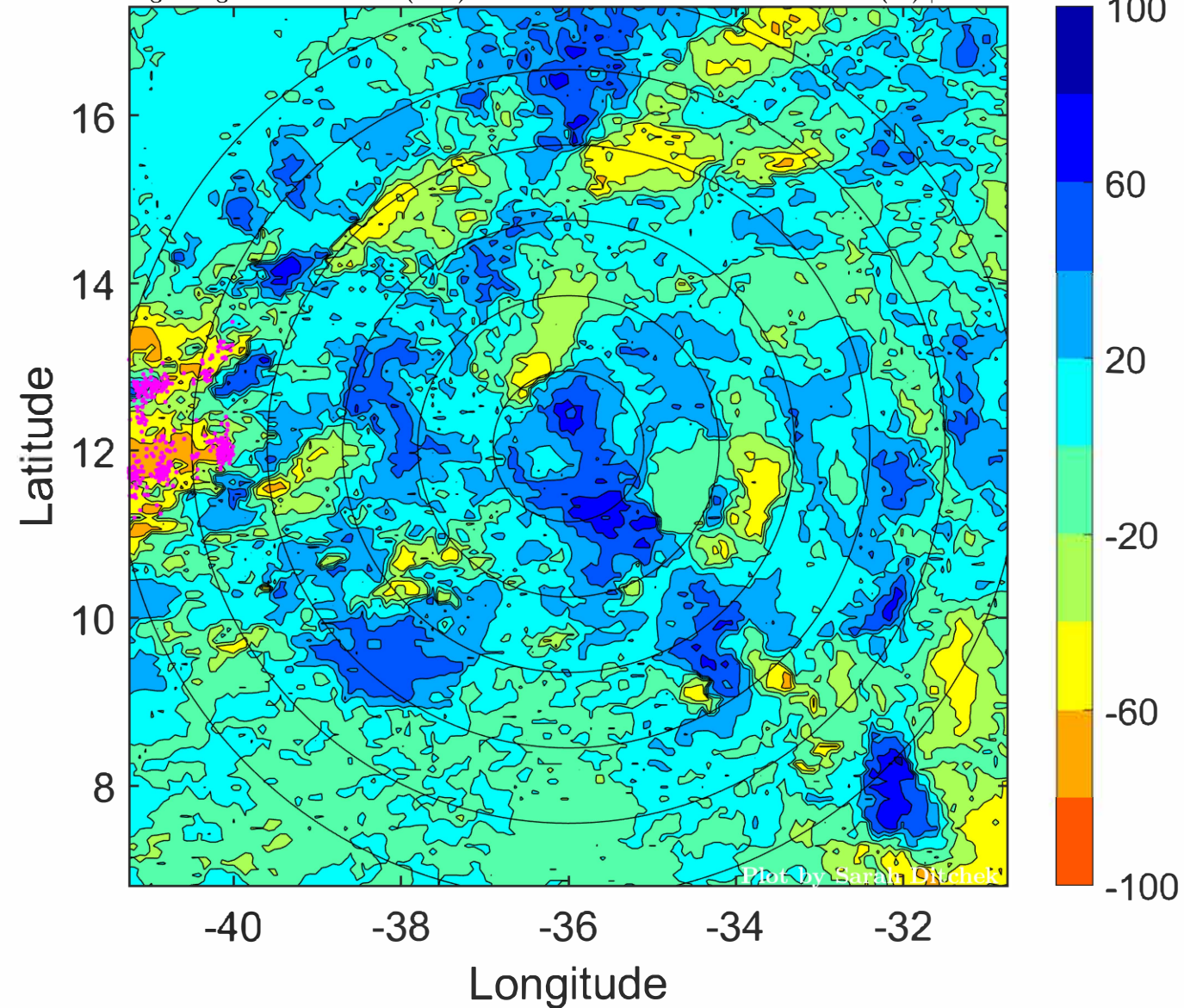
Δ t: 2023101203 (0.6 LT) - 2023101121 (18.7 LT)

Lightning: 0.6 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 6.5 m s⁻¹ (M) | H: 67°



IR BT & Lightning

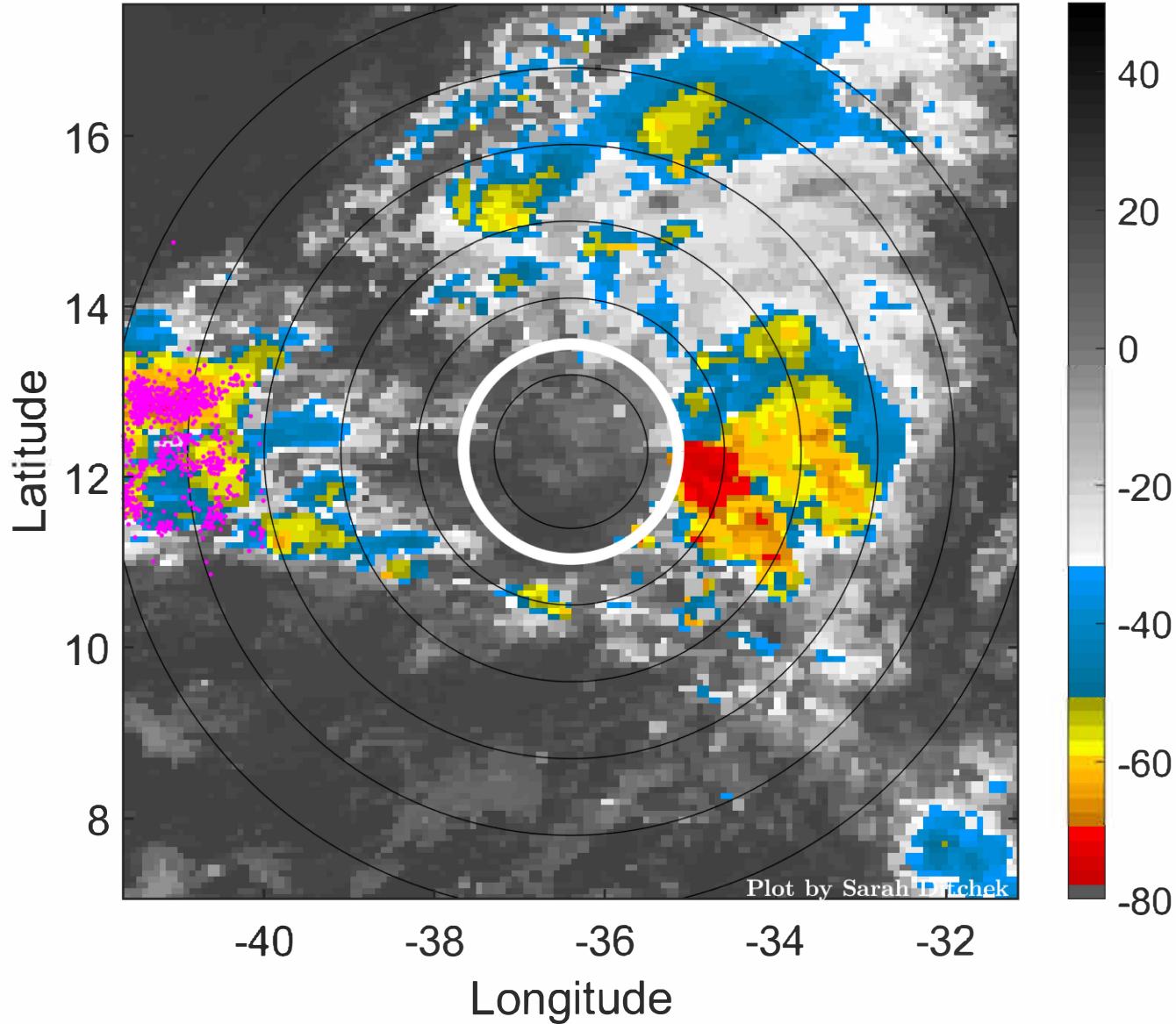
t: 2023101206 (3.6 LT)

Lightning: 3.6 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 7.3 m s⁻¹ (M) | H: 73°



6-h IR BT Differences & Lightning

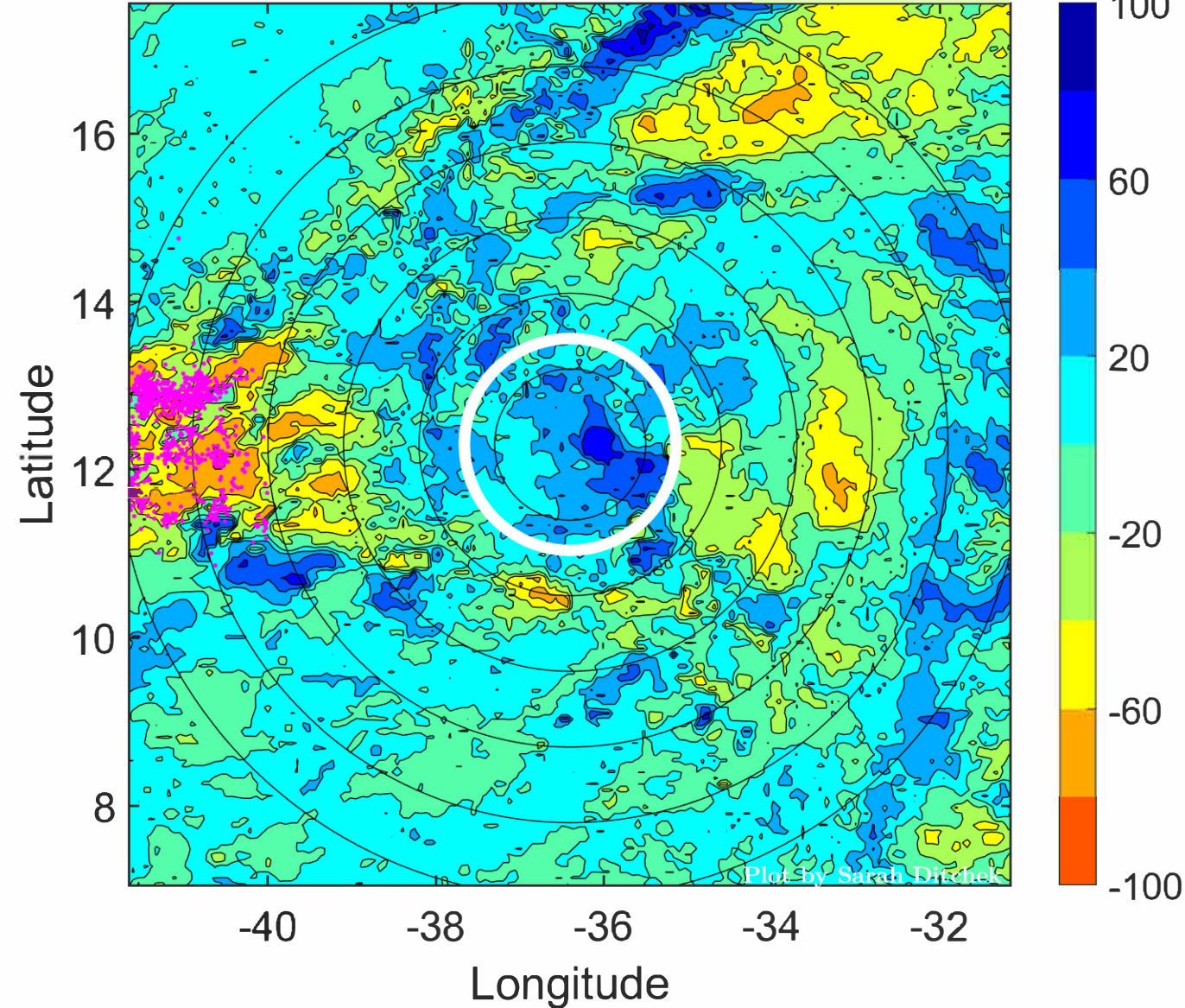
Δ t: 2023101206 (3.6 LT) - 2023101200 (21.6 LT)

Lightning: 3.6 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 7.3 m s⁻¹ (M) | H: 73°



IR BT & Lightning

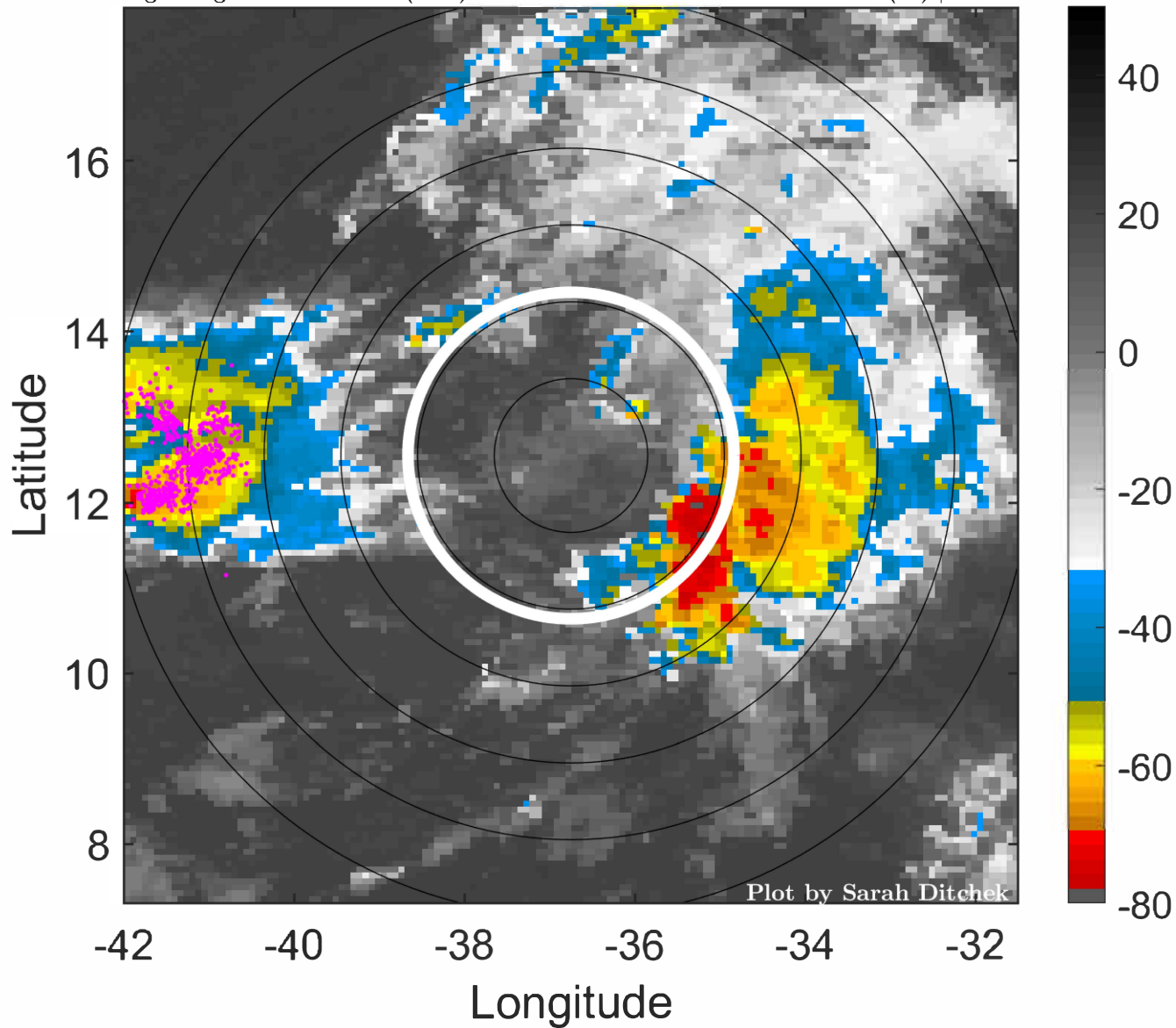
t: 2023101209 (6.6 LT)

Lightning: 6.6 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 32.5 kt TD

S: 7.2 m s⁻¹ (M) | H: 76°



6-h IR BT Differences & Lightning

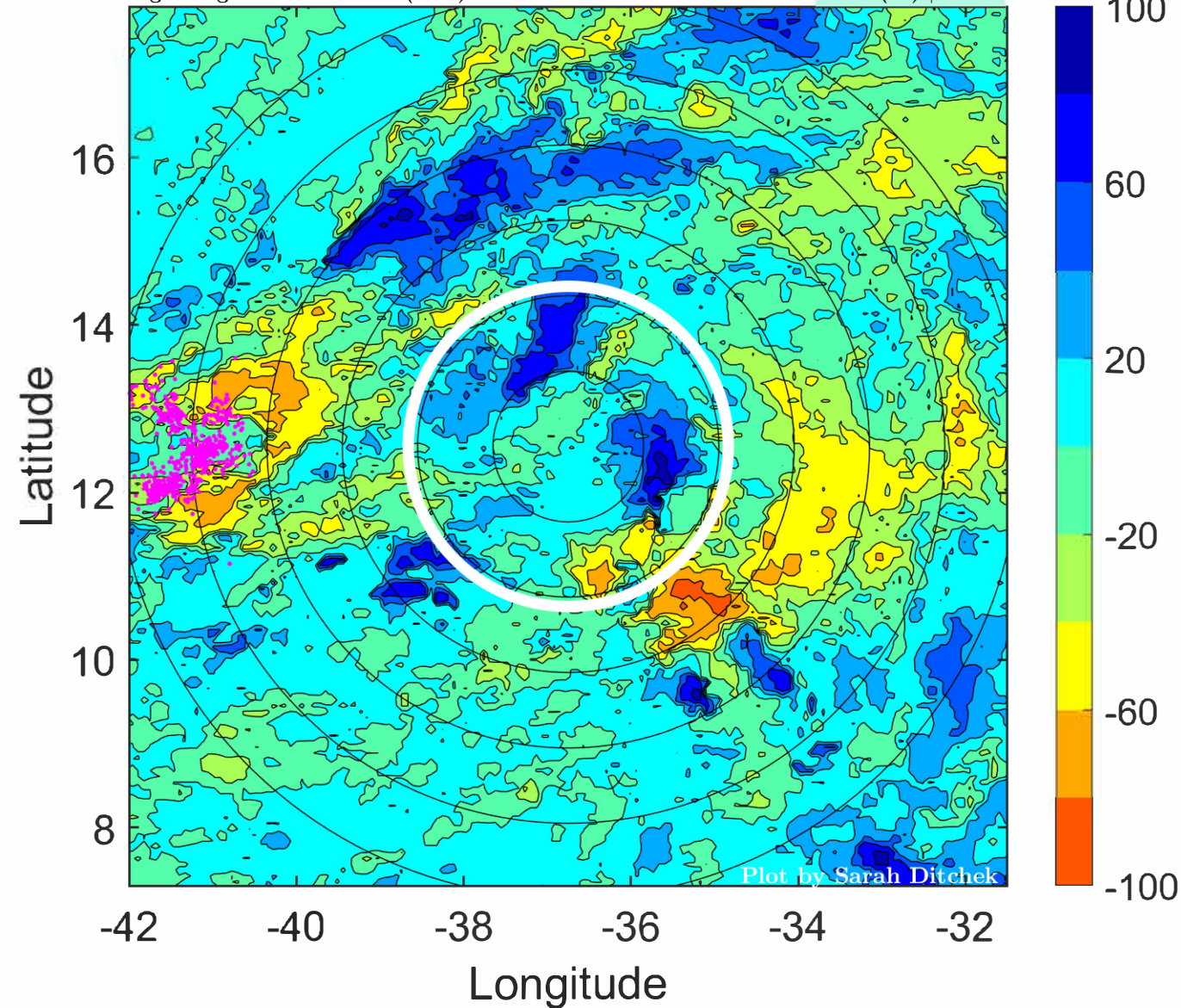
Δ t: 2023101209 (6.6 LT) - 2023101203 (0.6 LT)

Lightning: 6.6 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 32.5 kt TD

S: 7.2 m s⁻¹ (M) | H: 76°



IR BT & Lightning

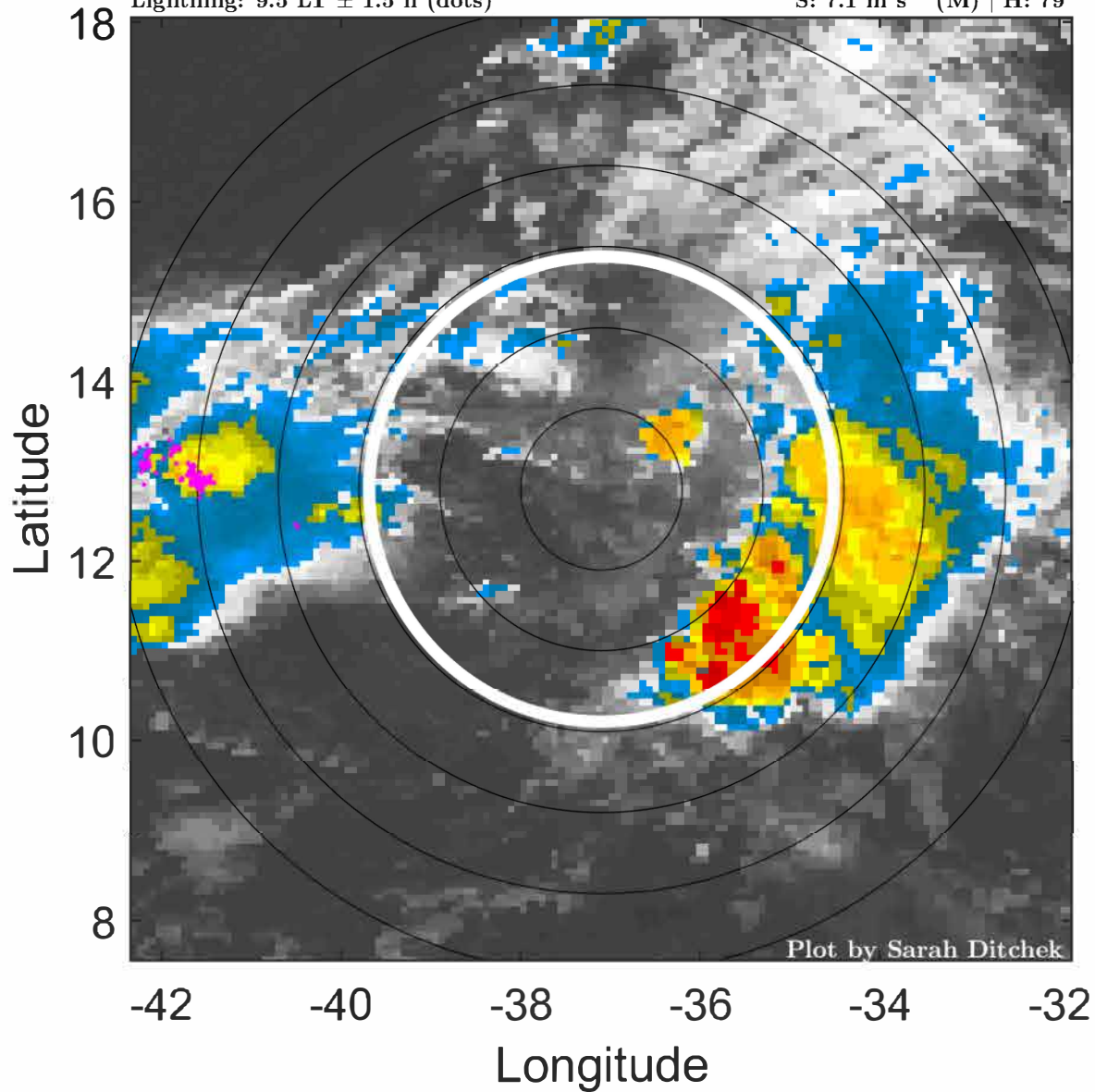
t: 2023101212 (9.5 LT)

Lightning: 9.5 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 35 kt TS

S: 7.1 m s⁻¹ (M) | H: 79°



6-h IR BT Differences & Lightning

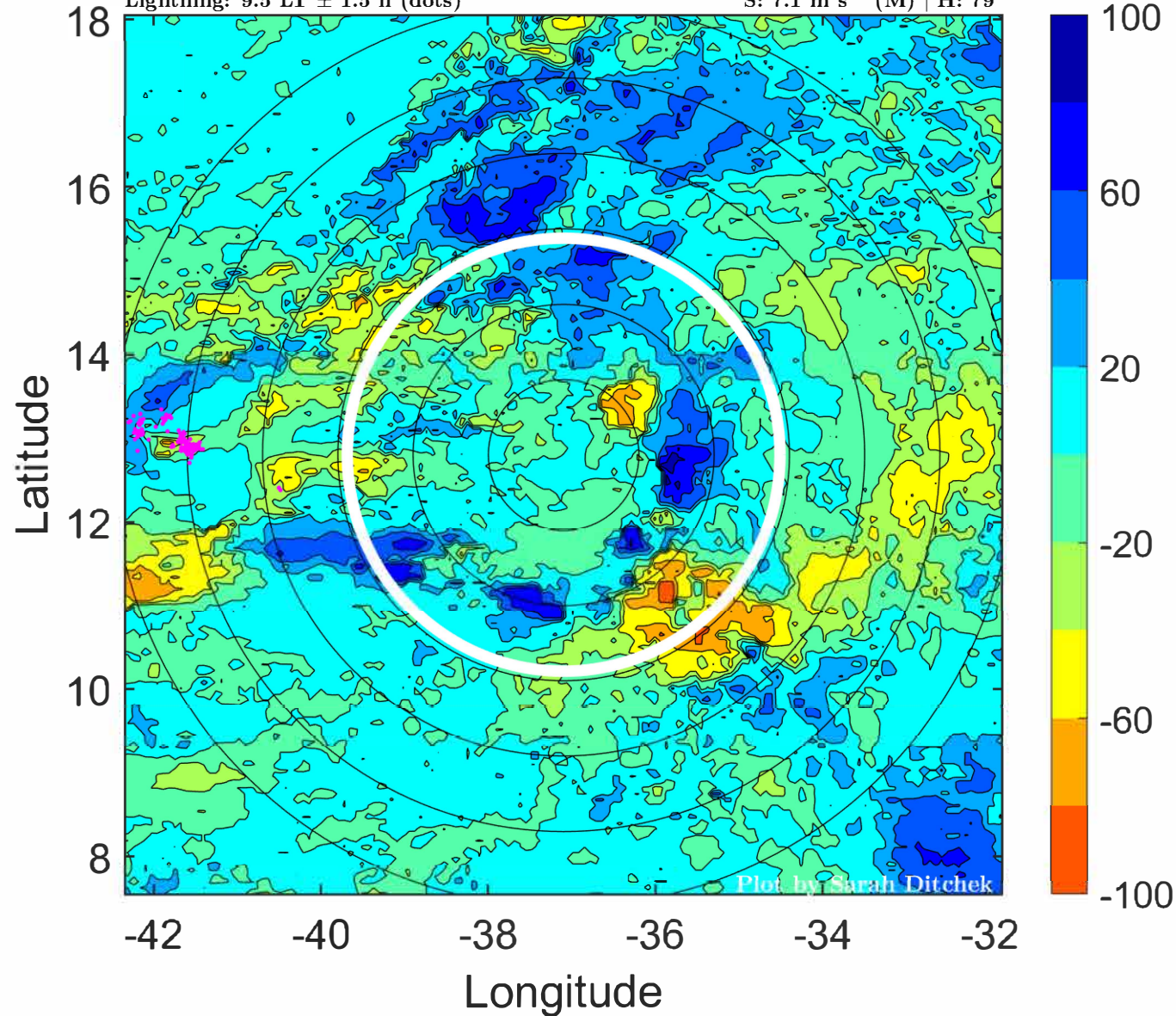
Δ t: 2023101212 (9.5 LT) - 2023101206 (3.6 LT)

Lightning: 9.5 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 35 kt TS

S: 7.1 m s⁻¹ (M) | H: 79°



IR BT & Lightning

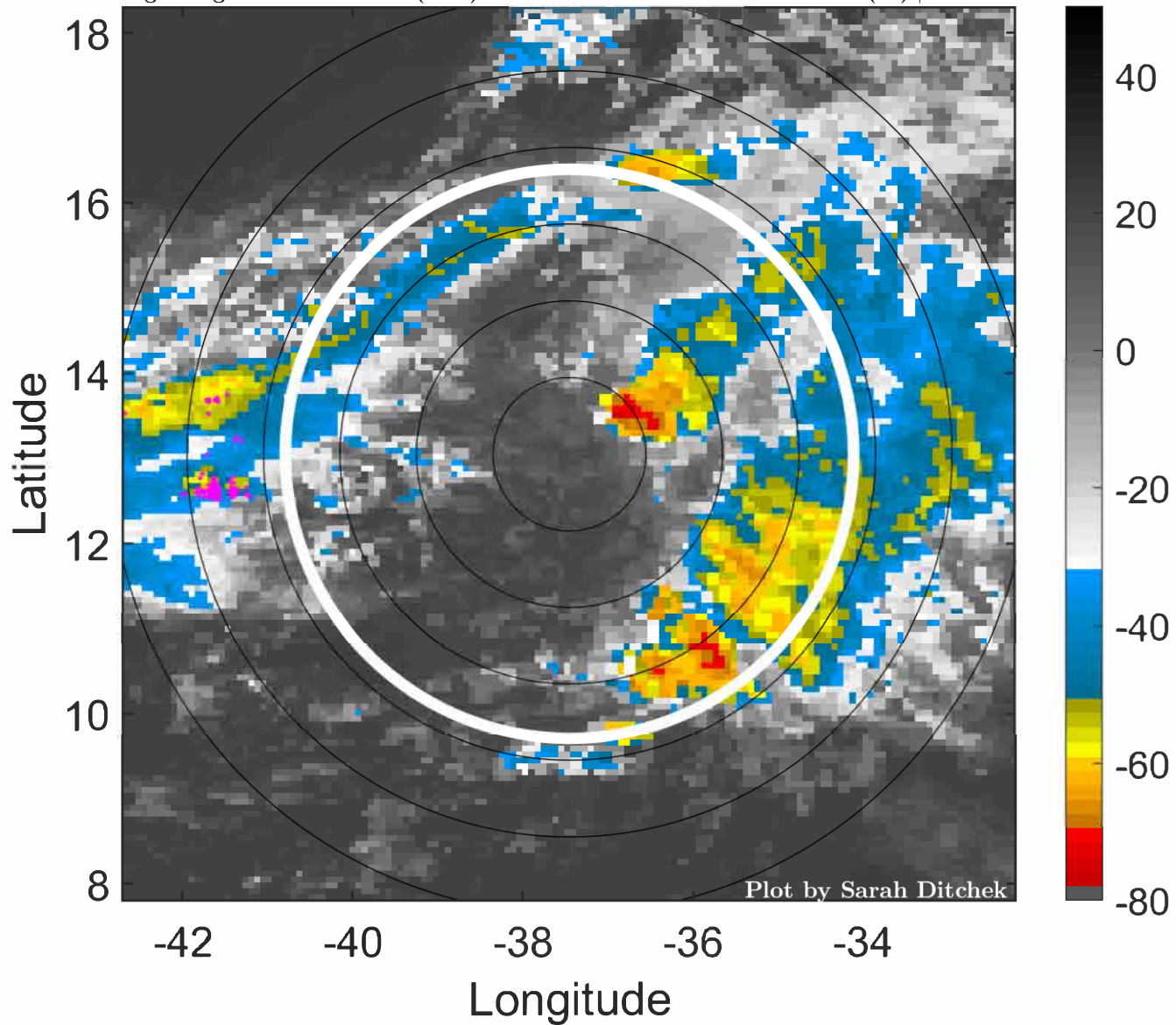
t: 2023101215 (12.5 LT)

Lightning: 12.5 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 37.5 kt TS

S: 6.6 m s⁻¹ (M) | H: 79.5°



6-h IR BT Differences & Lightning

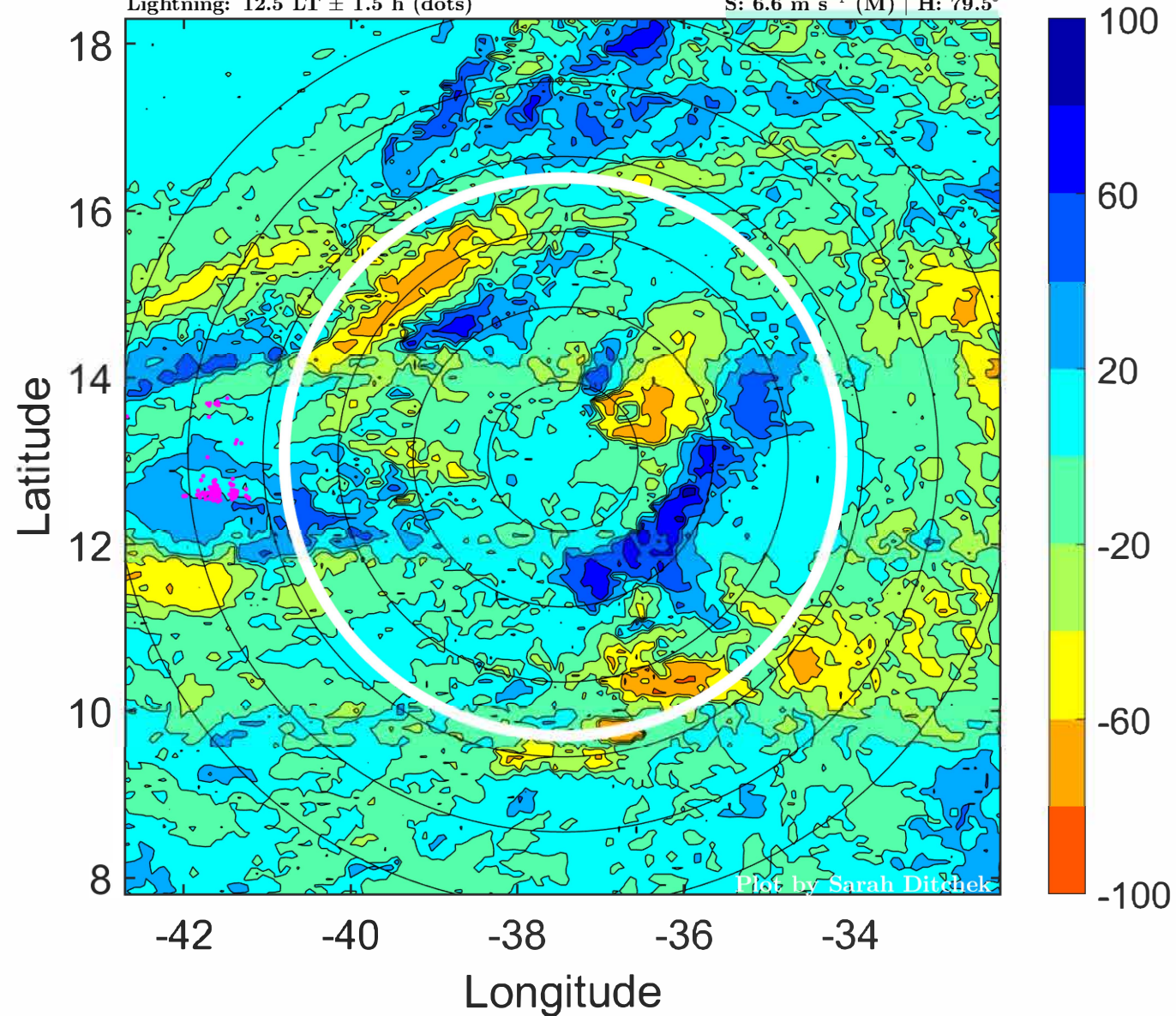
Δ t: 2023101215 (12.5 LT) - 2023101209 (6.6 LT)

Lightning: 12.5 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 37.5 kt TS

S: 6.6 m s⁻¹ (M) | H: 79.5°



IR BT & Lightning

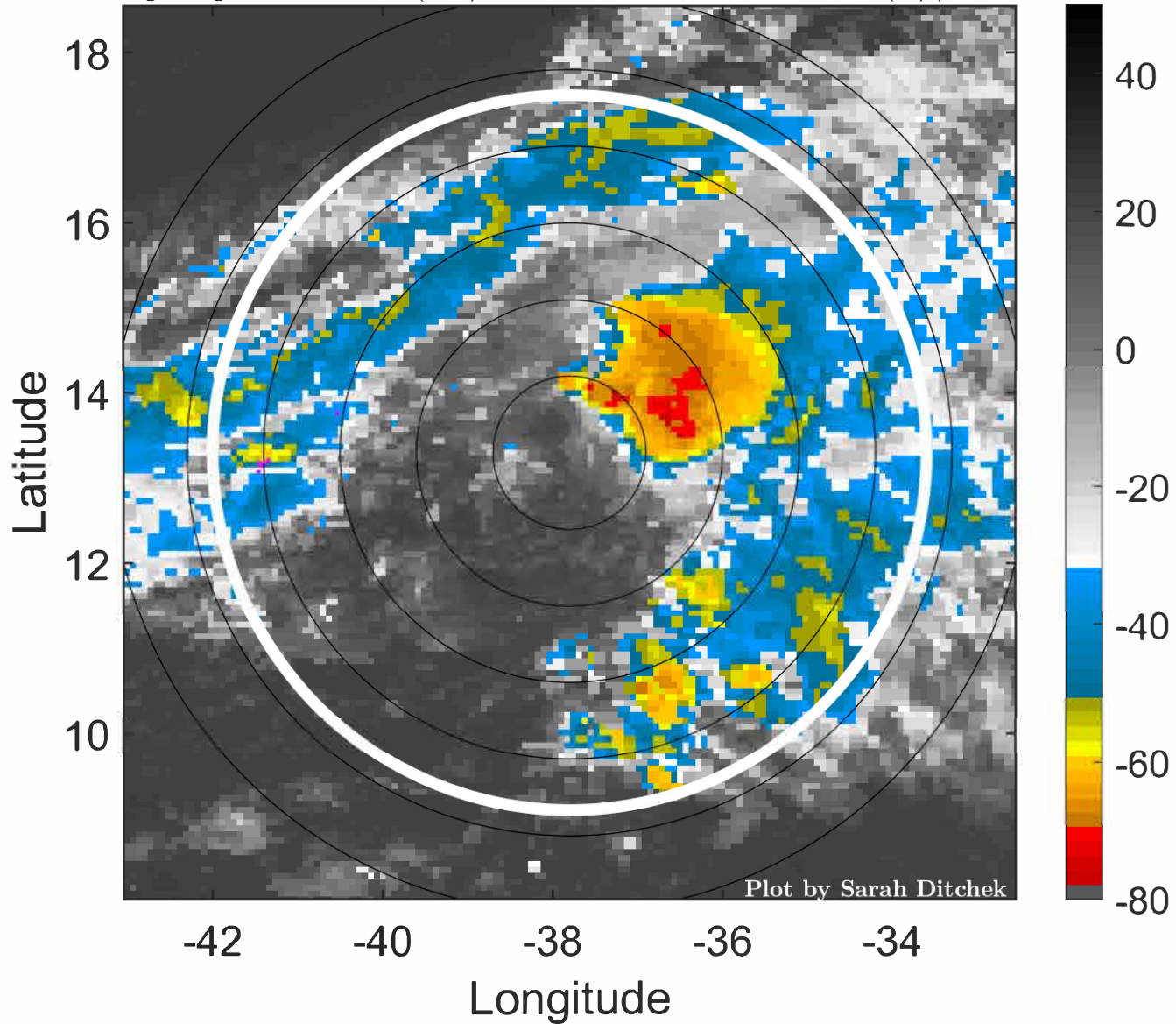
t: 2023101218 (15.5 LT)

Lightning: 15.5 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 40 kt TS

S: 6 m s⁻¹ (M) | H: 80°



6-h IR BT Differences & Lightning

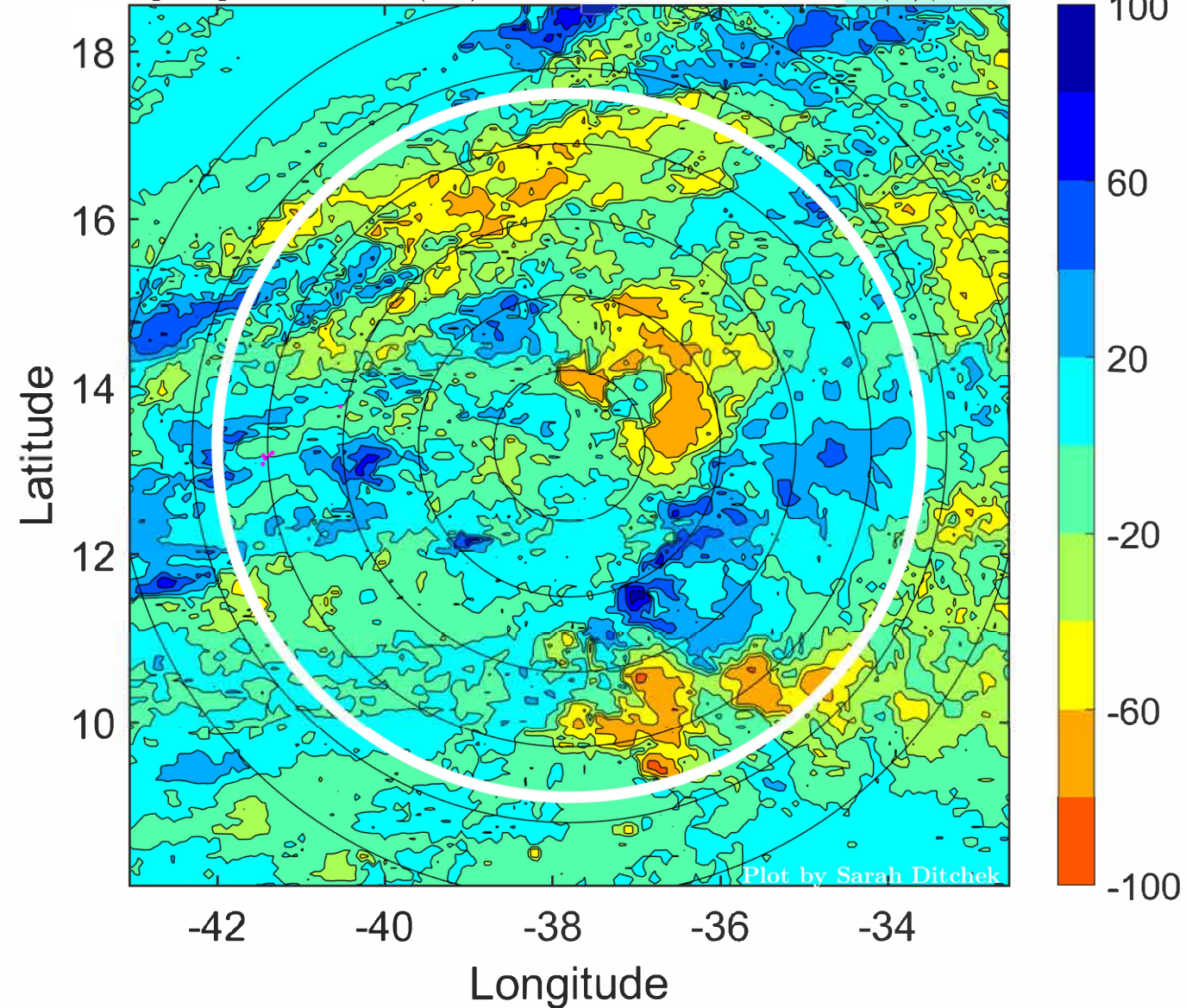
Δ t: 2023101218 (15.5 LT) - 2023101212 (9.5 LT)

Lightning: 15.5 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 40 kt TS

S: 6 m s⁻¹ (M) | H: 80°



IR BT & Lightning

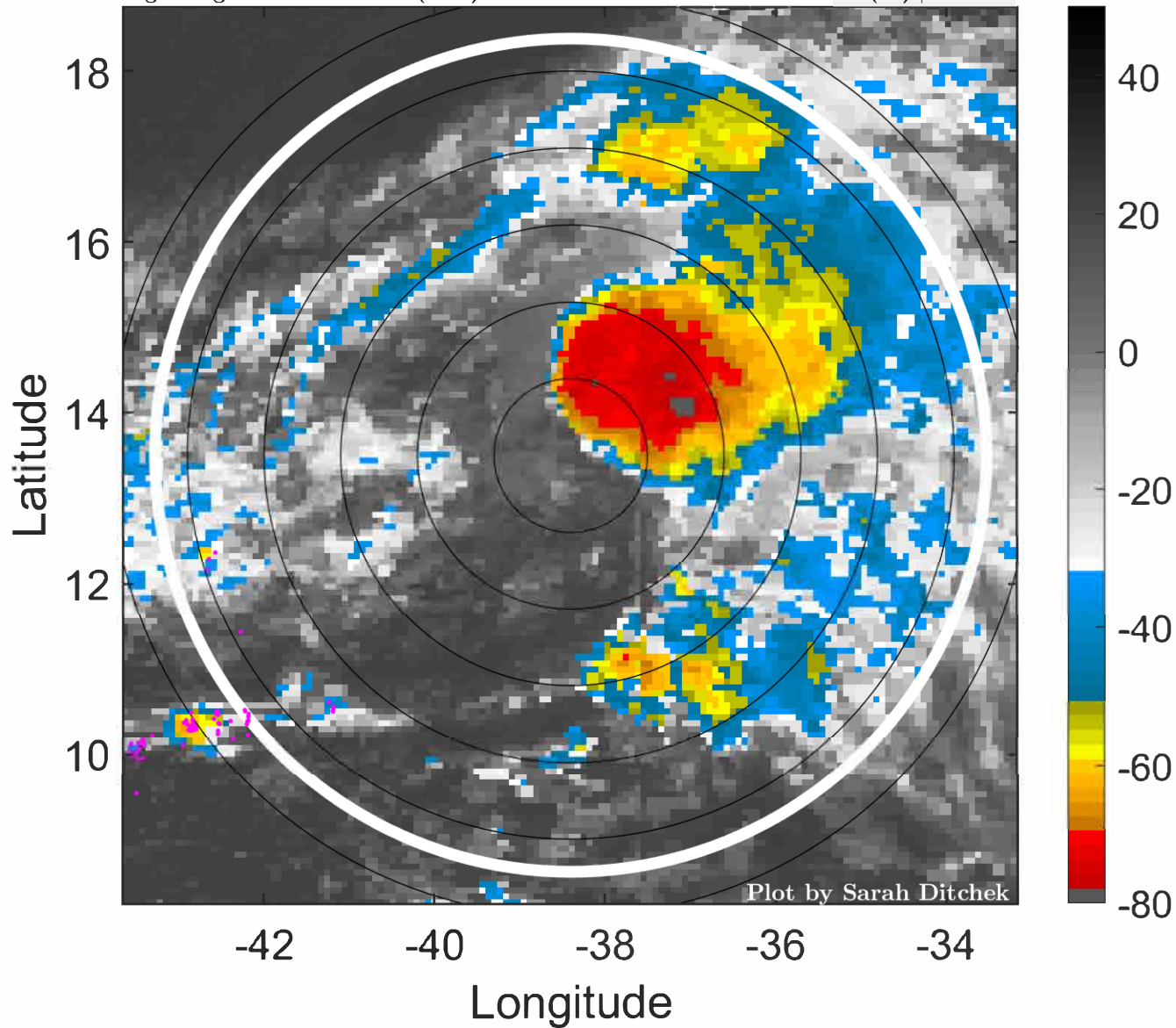
t: 2023101221 (18.4 LT)

Lightning: 18.4 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 40 kt TS

S: 5.7 m s⁻¹ (M) | H: 80.5°



6-h IR BT Differences & Lightning

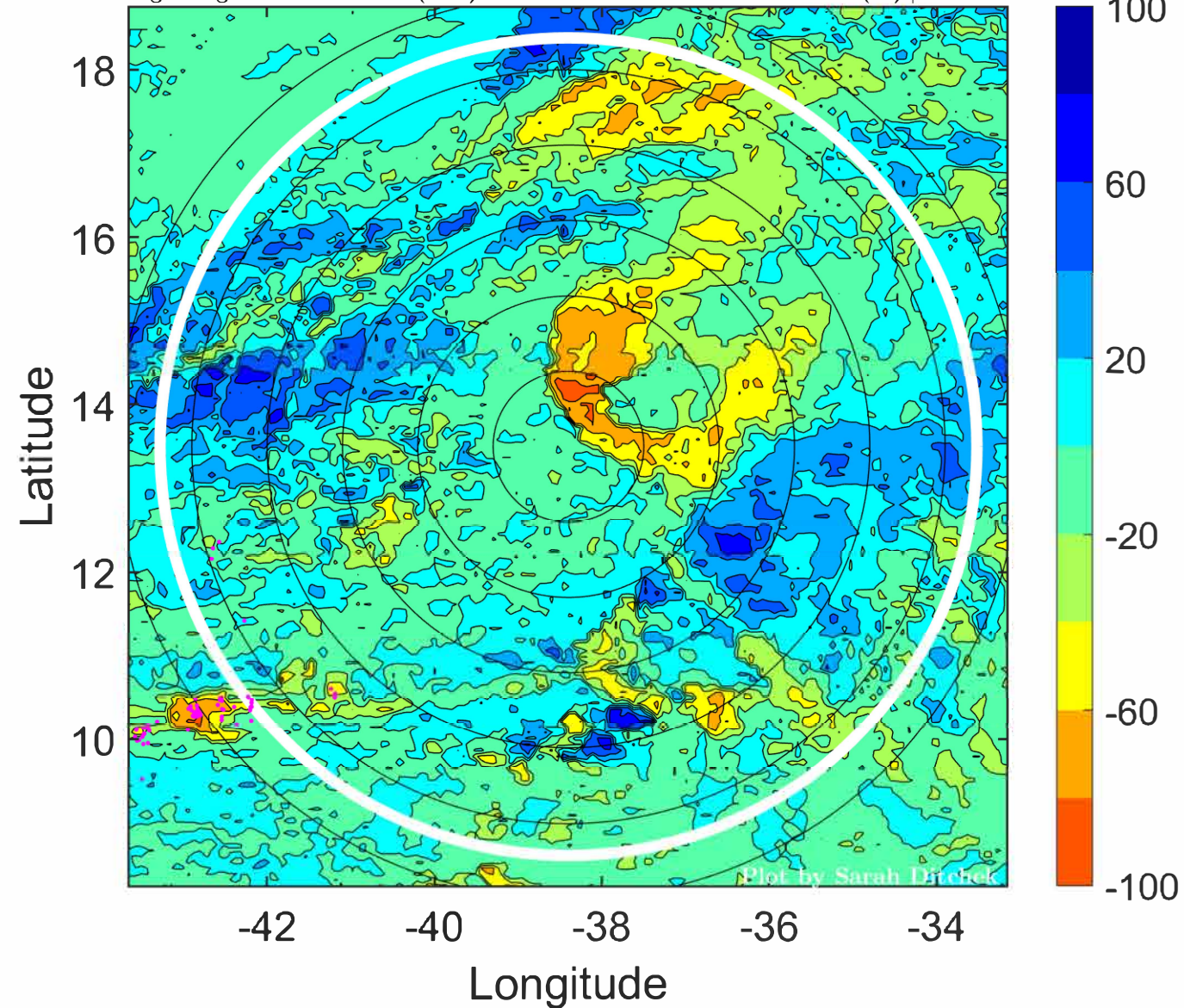
Δ t: 2023101221 (18.4 LT) - 2023101215 (12.5 LT)

Lightning: 18.4 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 40 kt TS

S: 5.7 m s⁻¹ (M) | H: 80.5°



IR BT & Lightning

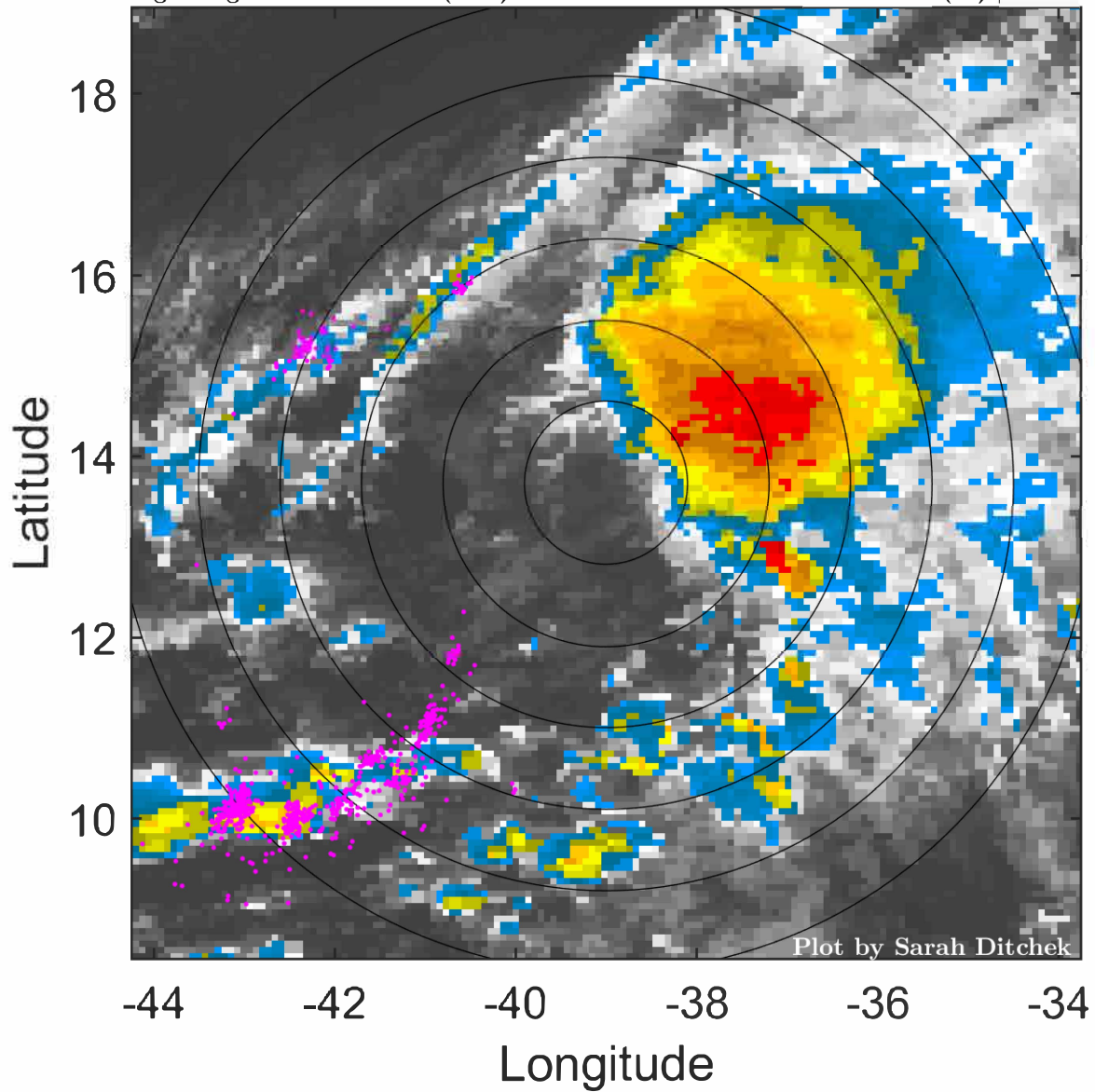
t: 2023101300 (21.4 LT)

Lightning: 21.4 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 40 kt TS

S: 5.3 m s⁻¹ (M) | H: 81°



6-h IR BT Differences & Lightning

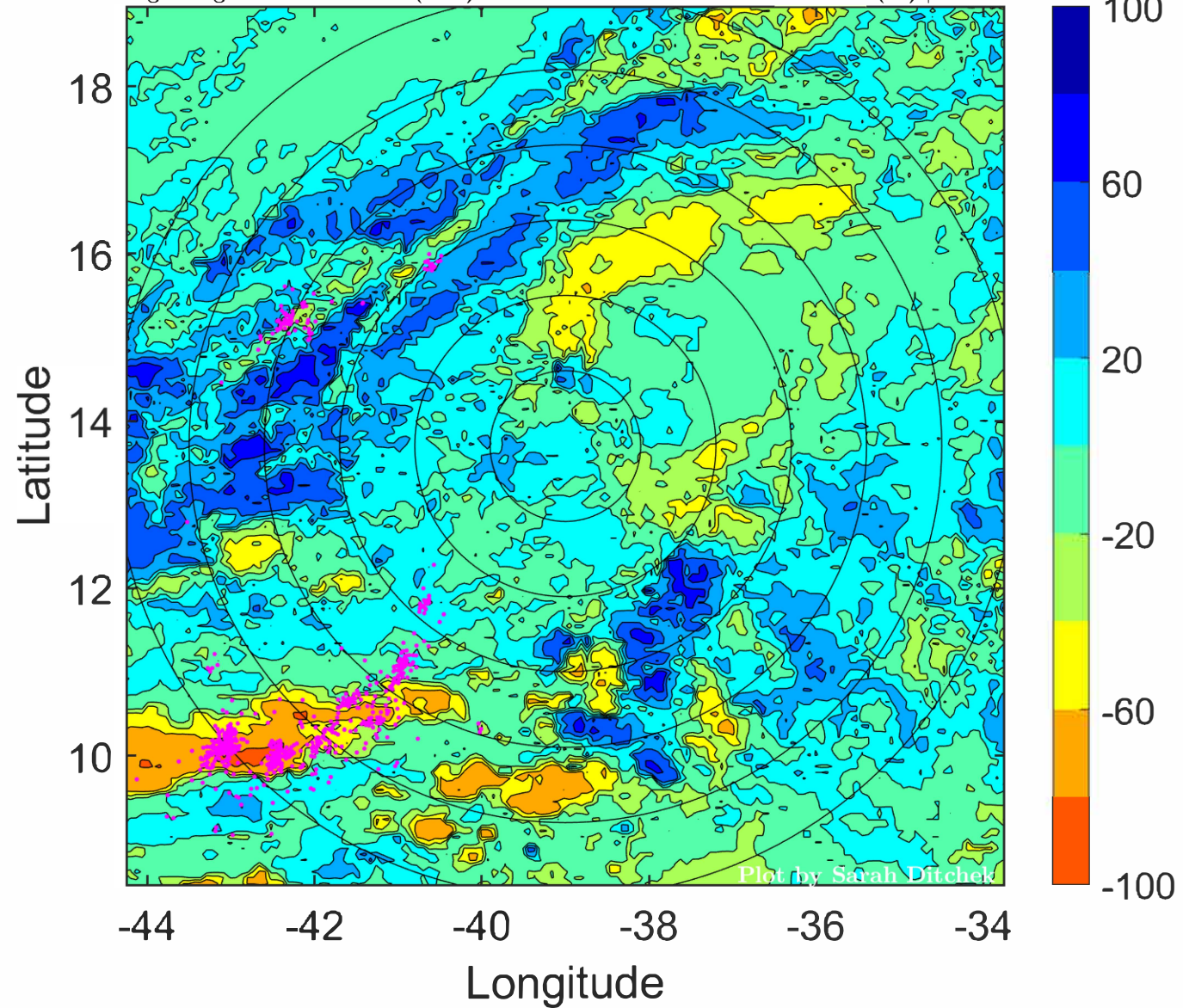
Δ t: 2023101300 (21.4 LT) - 2023101218 (15.5 LT)

Lightning: 21.4 LT $\pm$ 1.5 h (dots)

PT: LLCP | EA: QUASI

19L (SEAN) | 40 kt TS

S: 5.3 m s⁻¹ (M) | H: 81°



IR BT & Lightning

t: 2023101303 (0.4 LT)

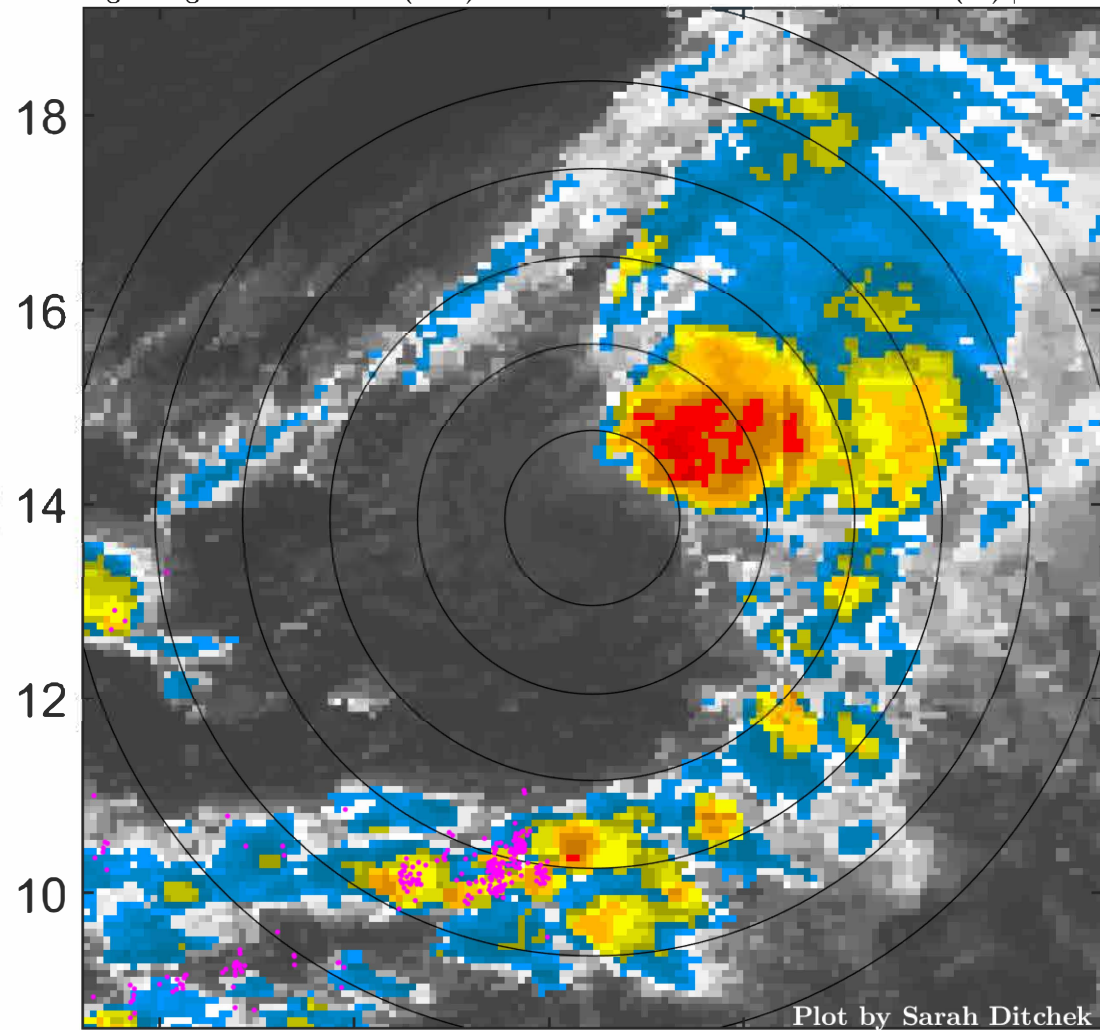
Lightning: 0.4 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 40 kt TS

S: 4.9 m s⁻¹ (M) | H: 84°

Latitude



Plot by Sarah Ditchek

-44 -42 -40 -38 -36

Longitude

40

20

0

-20

-40

-60

-80

6-h IR BT Differences & Lightning

Δ t: 2023101303 (0.4 LT) - 2023101221 (18.4 LT)

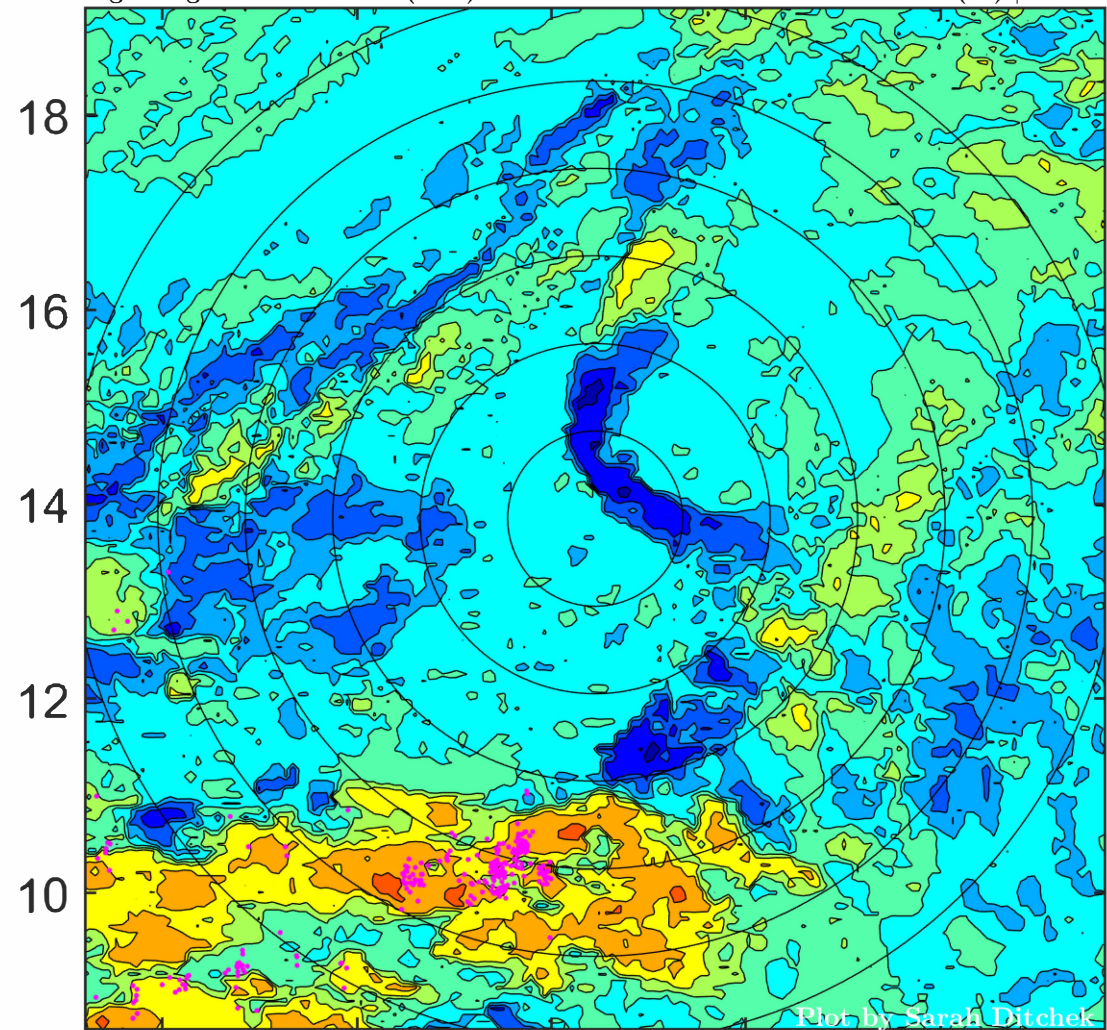
Lightning: 0.4 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 40 kt TS

S: 4.9 m s⁻¹ (M) | H: 84°

Latitude



Plot by Sarah Ditchek

-44 -42 -40 -38 -36

Longitude

100

60

20

-20

-60

-100

IR BT & Lightning

t: 2023101306 (3.3 LT)

Lightning: 3.3 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 40 kt TS

S: 4.5 m s⁻¹ (M) | H: 87°

Latitude

18

16

14

12

10

40

20

0

-20

-40

-60

-80

Plot by Sarah Ditchek

-44

-42

-40

-38

-36

Longitude

6-h IR BT Differences & Lightning

Δ t: 2023101306 (3.3 LT) - 2023101300 (21.4 LT)

Lightning: 3.3 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 40 kt TS

S: 4.5 m s⁻¹ (M) | H: 87°

Latitude

18

16

14

12

10

100

60

20

-20

-60

-100

Plot by Sarah Ditchek

-44

-42

-40

-38

-36

Longitude

IR BT & Lightning

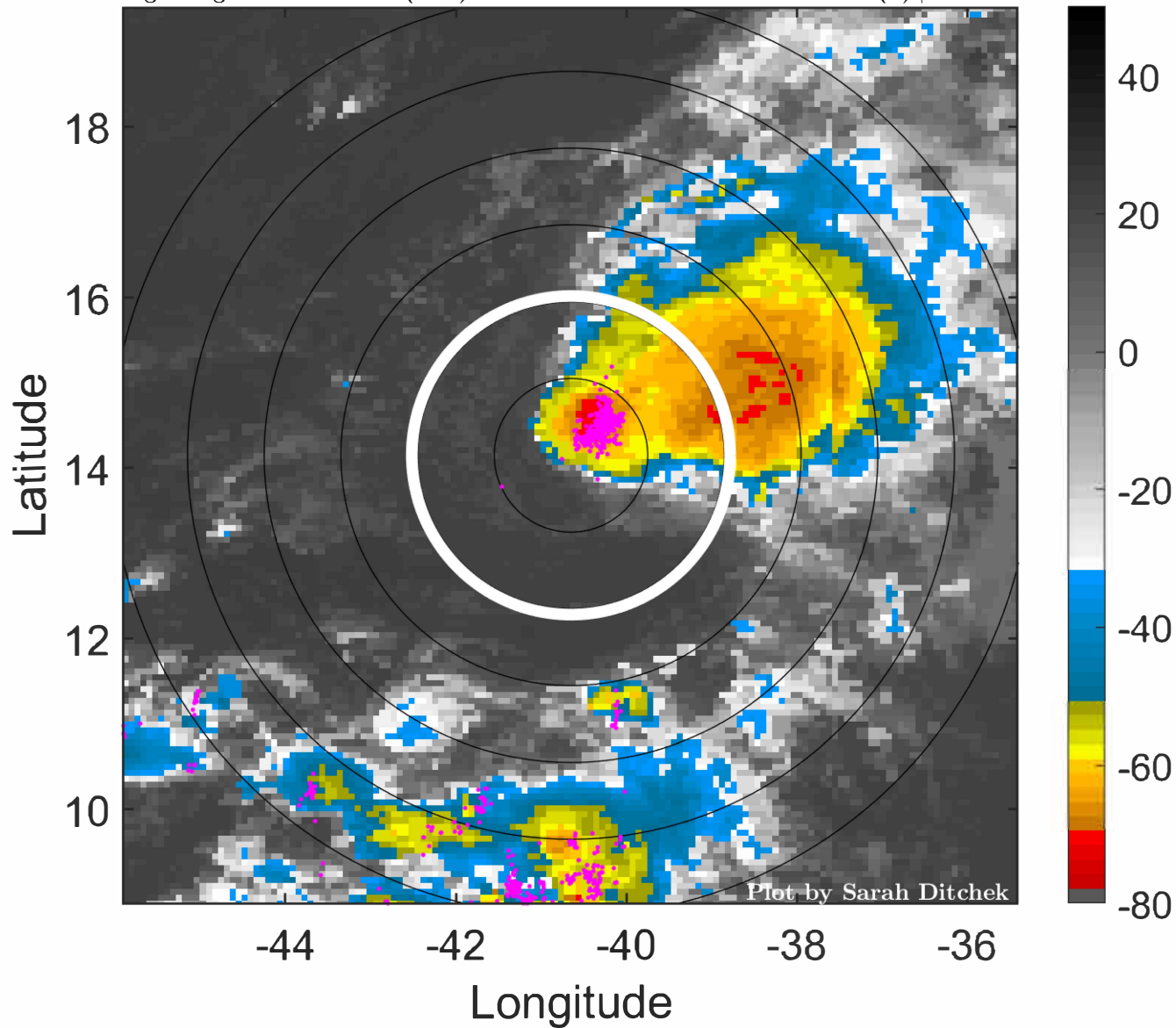
t: 2023101309 (6.3 LT)

Lightning: 6.3 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 37.5 kt TS

S: 4.2 m s⁻¹ (L) | H: 95.5°



6-h IR BT Differences & Lightning

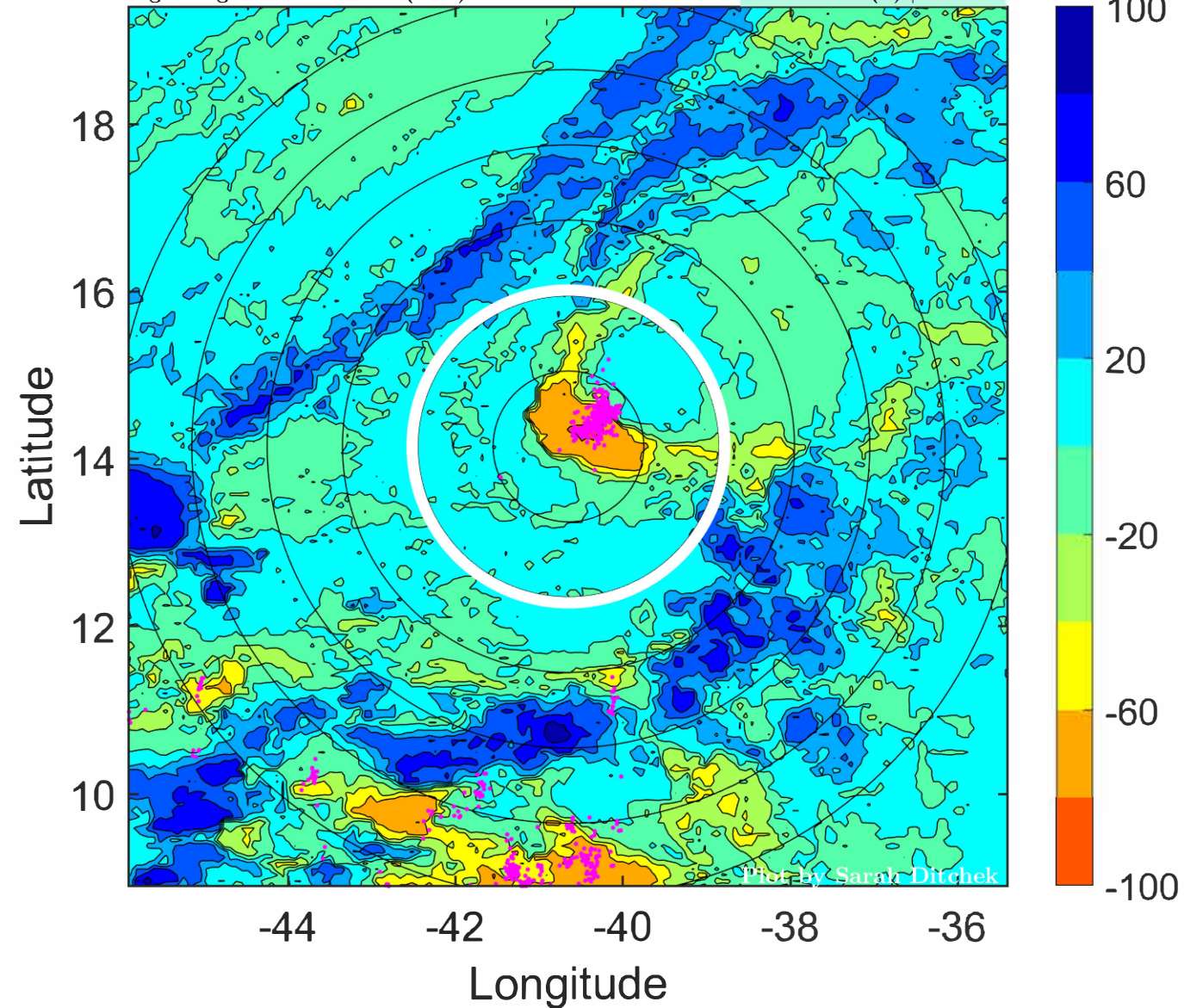
Δ t: 2023101309 (6.3 LT) - 2023101303 (0.4 LT)

Lightning: 6.3 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 37.5 kt TS

S: 4.2 m s⁻¹ (L) | H: 95.5°



IR BT & Lightning

t: 2023101312 (9.3 LT)

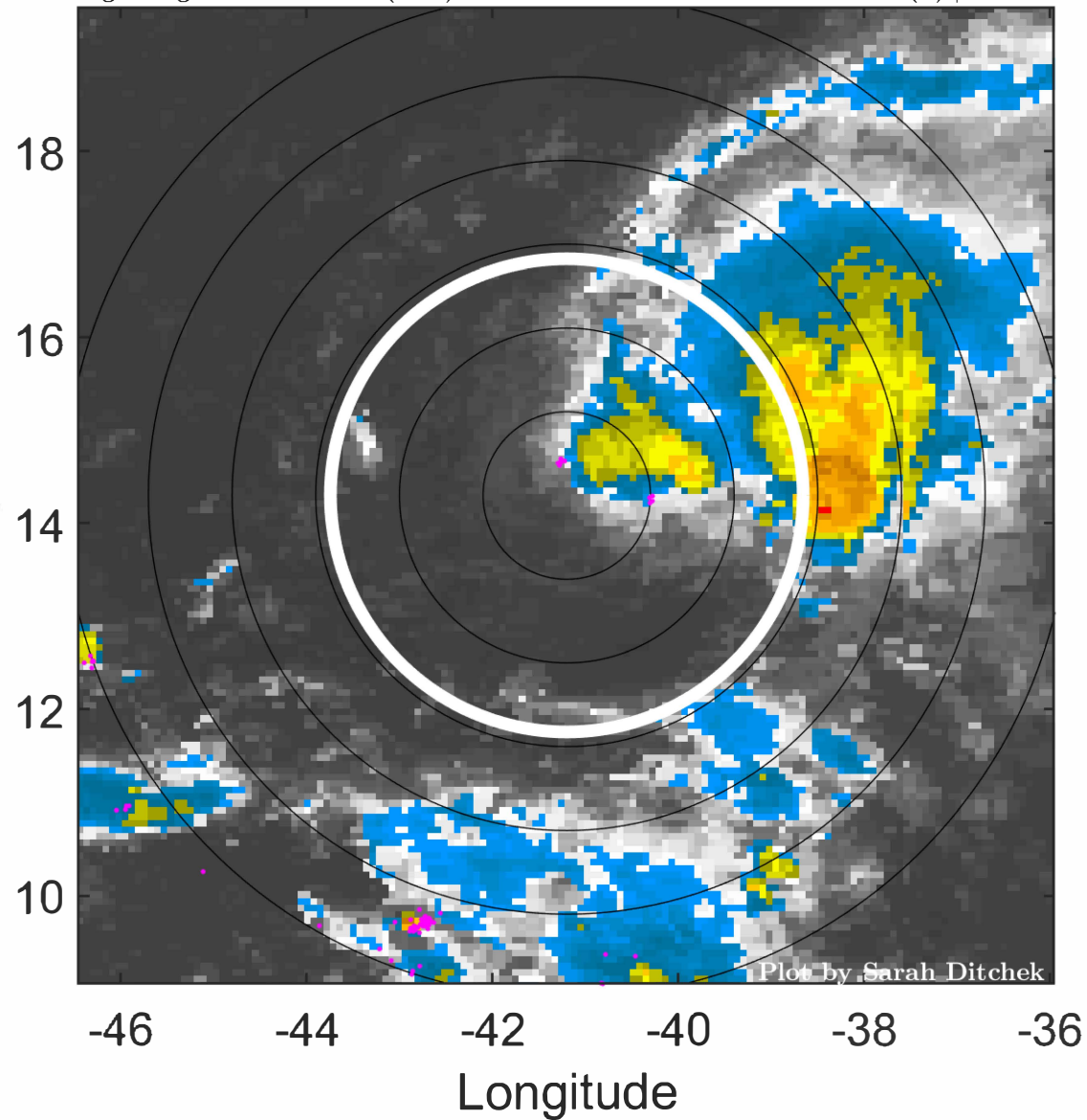
Lightning: 9.3 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 35 kt TS

S: 3.9 m s⁻¹ (L) | H: 104°

Latitude



6-h IR BT Differences & Lightning

Δ t: 2023101312 (9.3 LT) - 2023101306 (3.3 LT)

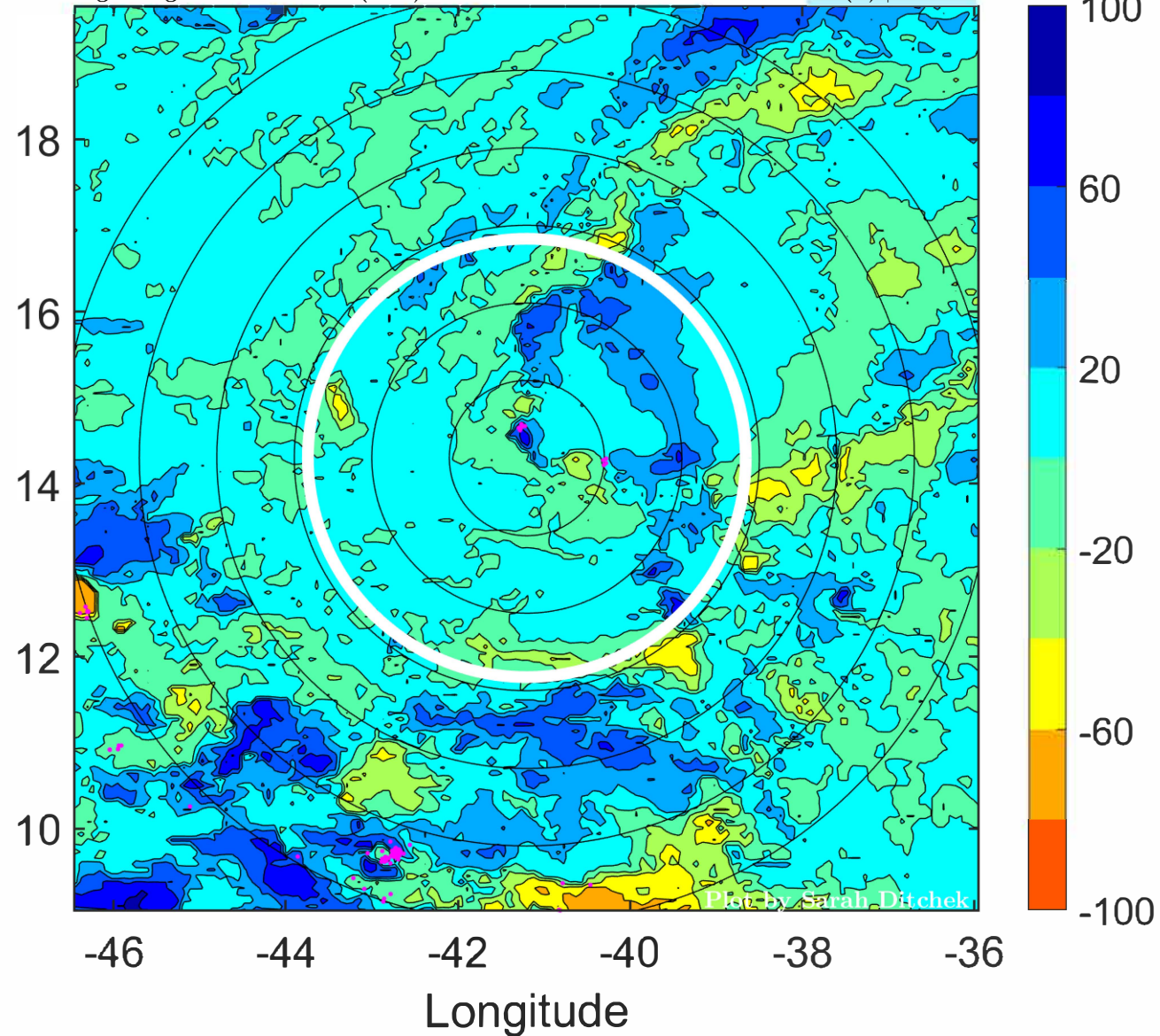
Lightning: 9.3 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 35 kt TS

S: 3.9 m s⁻¹ (L) | H: 104°

Latitude



IR BT & Lightning

t: 2023101315 (12.2 LT)

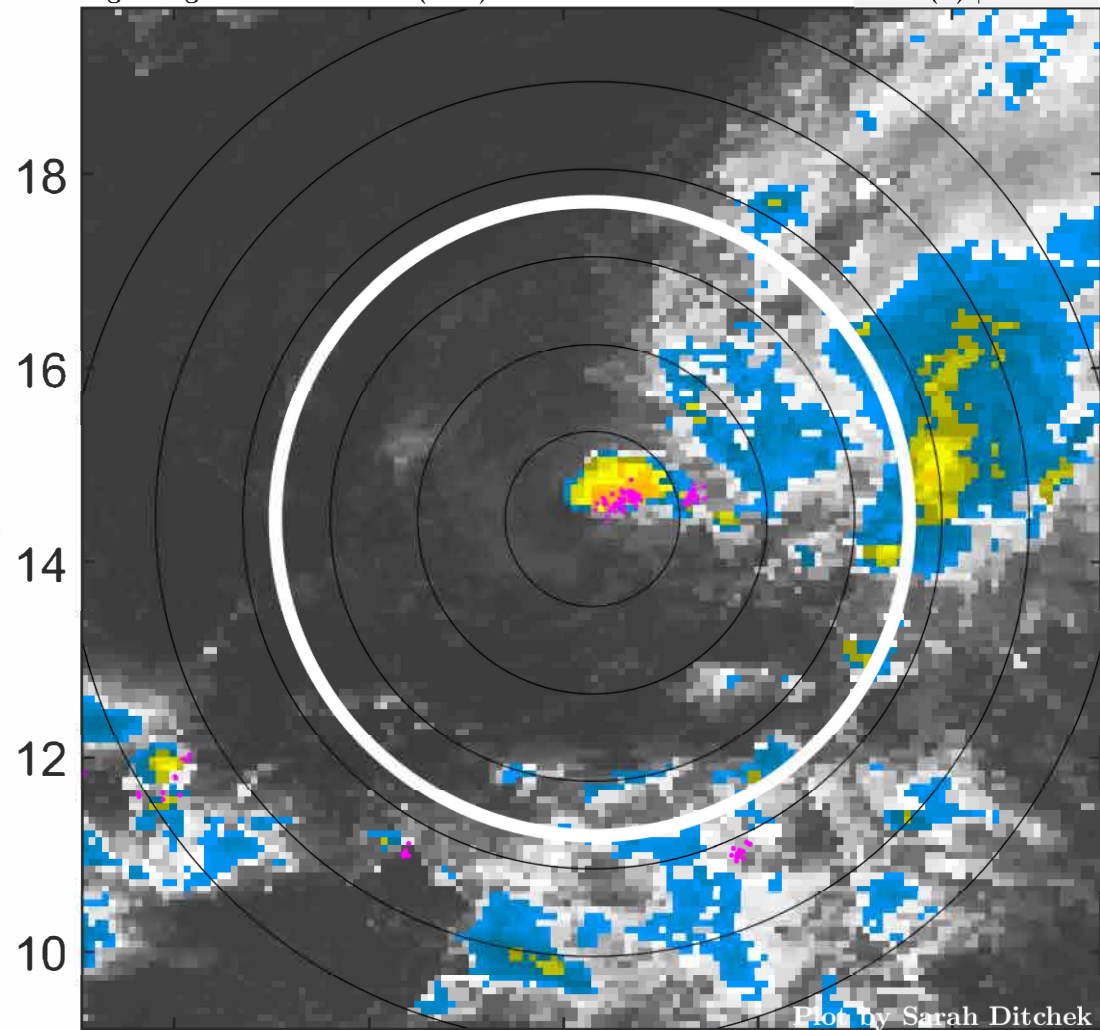
Lightning: 12.2 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

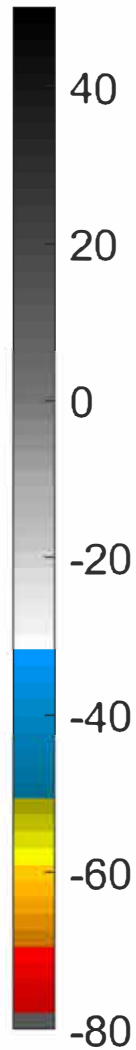
19L (SEAN) | 35 kt TS

S: 3 m s⁻¹ (L) | H: 115.5°

Latitude



Plot by Sarah Ditchek



6-h IR BT Differences & Lightning

Δ t: 2023101315 (12.2 LT) - 2023101309 (6.3 LT)

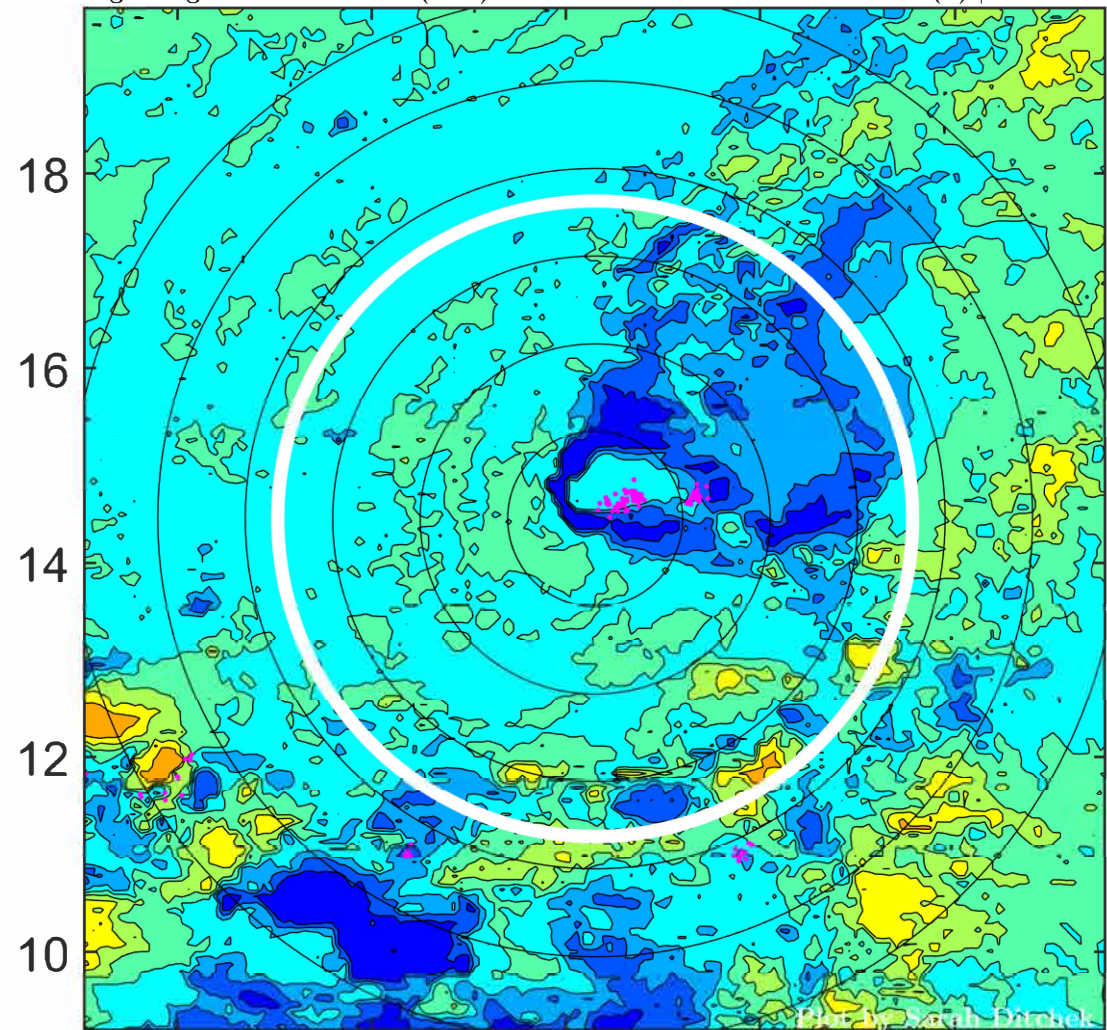
Lightning: 12.2 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

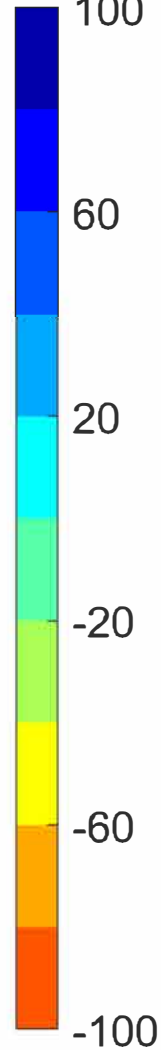
19L (SEAN) | 35 kt TS

S: 3 m s⁻¹ (L) | H: 115.5°

Latitude



Plot by Sarah Ditchek



IR BT & Lightning

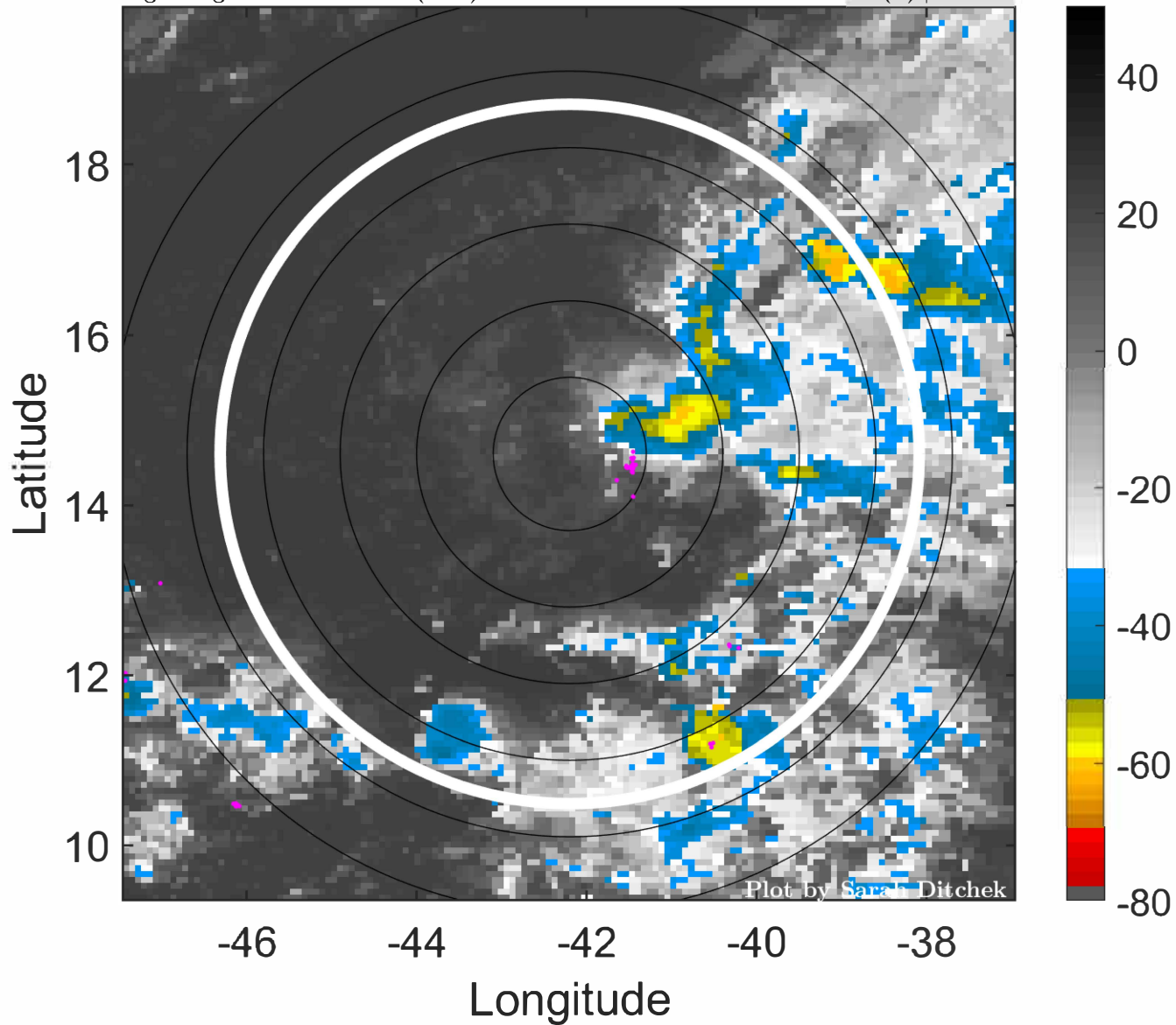
t: 2023101318 (15.2 LT)

Lightning: 15.2 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 35 kt TS

S: 2.1 m s⁻¹ (L) | H: 127°



6-h IR BT Differences & Lightning

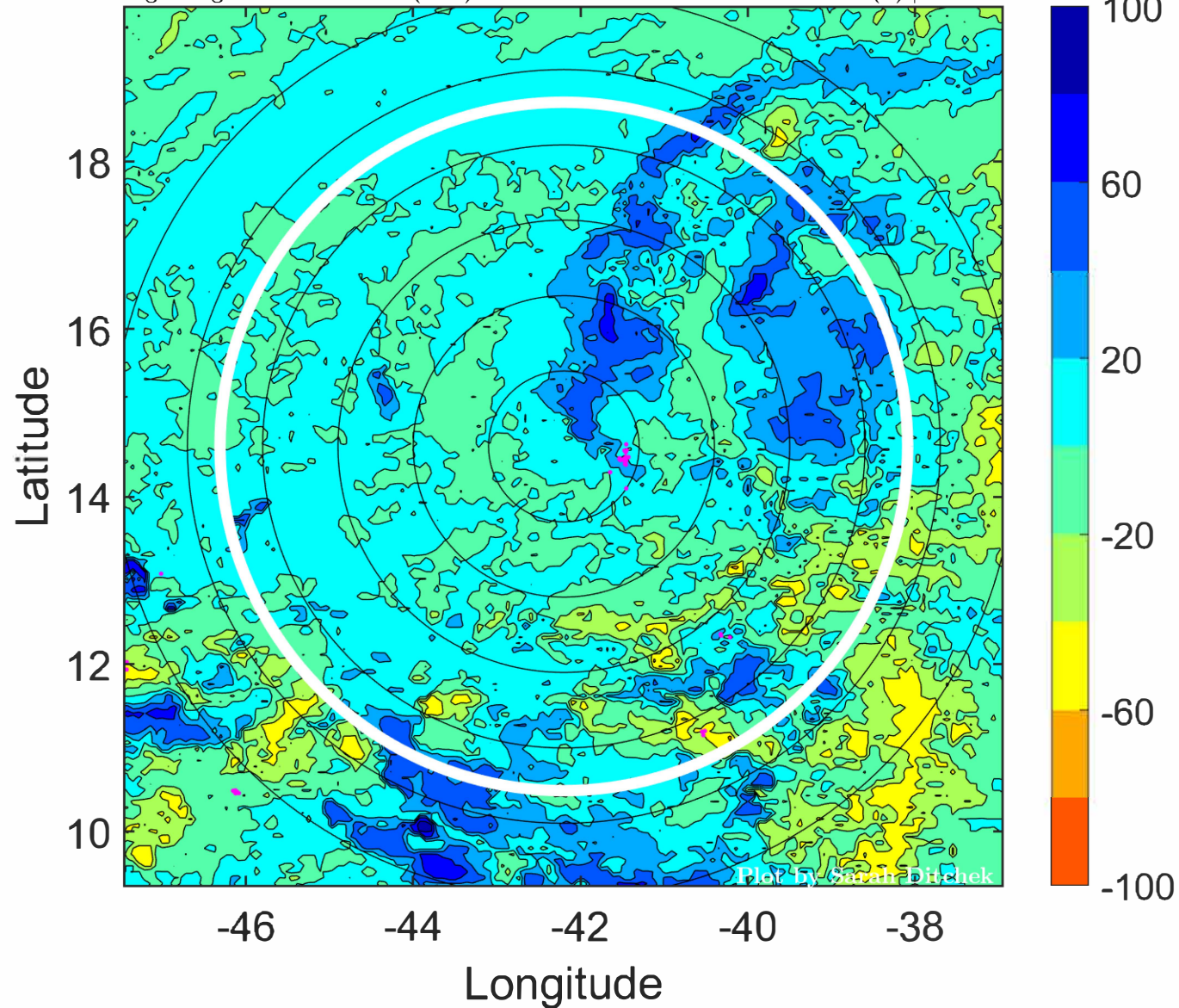
Δ t: 2023101318 (15.2 LT) - 2023101312 (9.3 LT)

Lightning: 15.2 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 35 kt TS

S: 2.1 m s⁻¹ (L) | H: 127°



IR BT & Lightning

t: 2023101321 (18.2 LT)

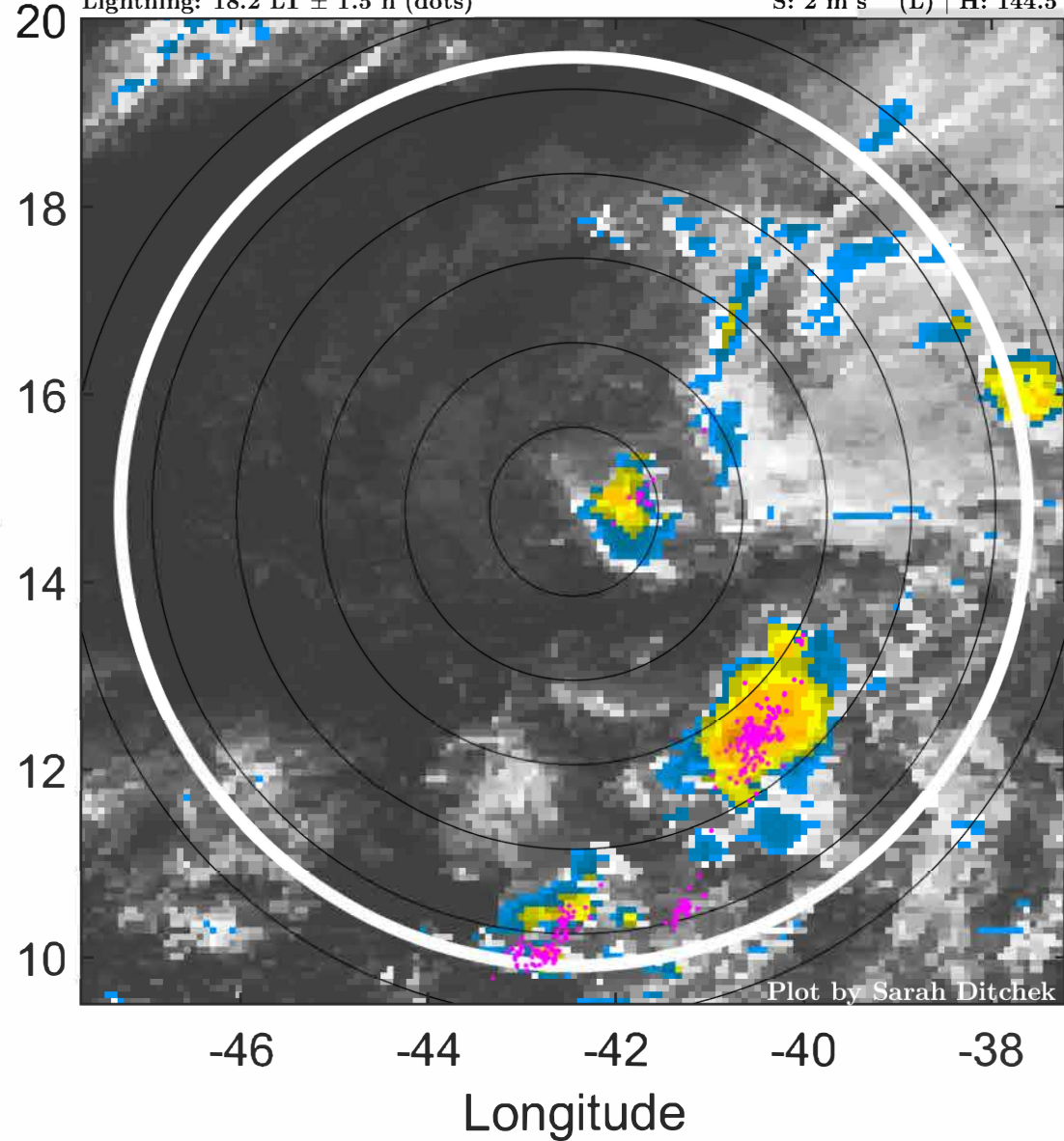
Lightning: 18.2 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 35 kt TS

S: 2 m s⁻¹ (L) | H: 144.5°

Latitude



6-h IR BT Differences & Lightning

Δ t: 2023101321 (18.2 LT) - 2023101315 (12.2 LT)

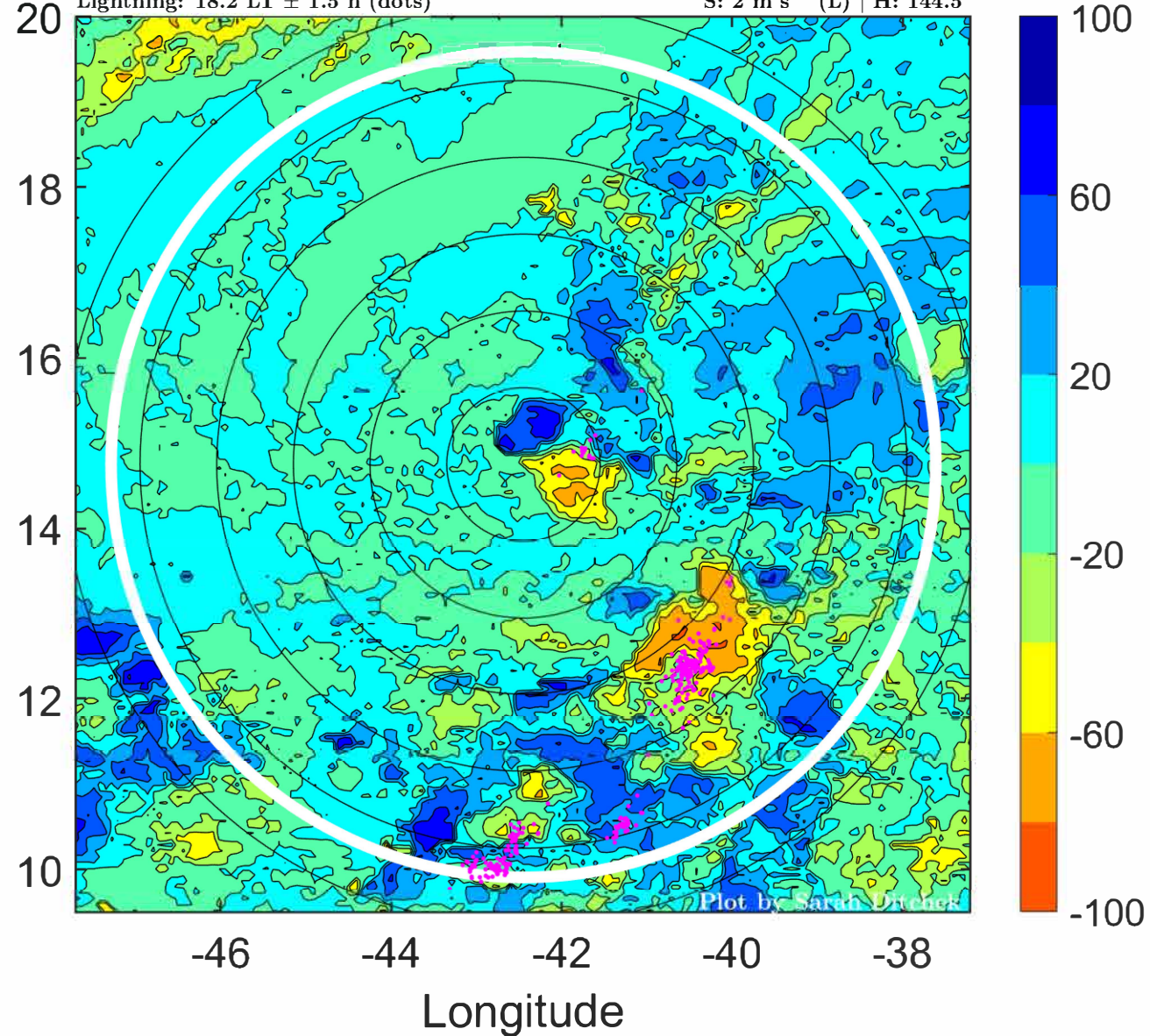
Lightning: 18.2 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 35 kt TS

S: 2 m s⁻¹ (L) | H: 144.5°

Latitude



IR BT & Lightning

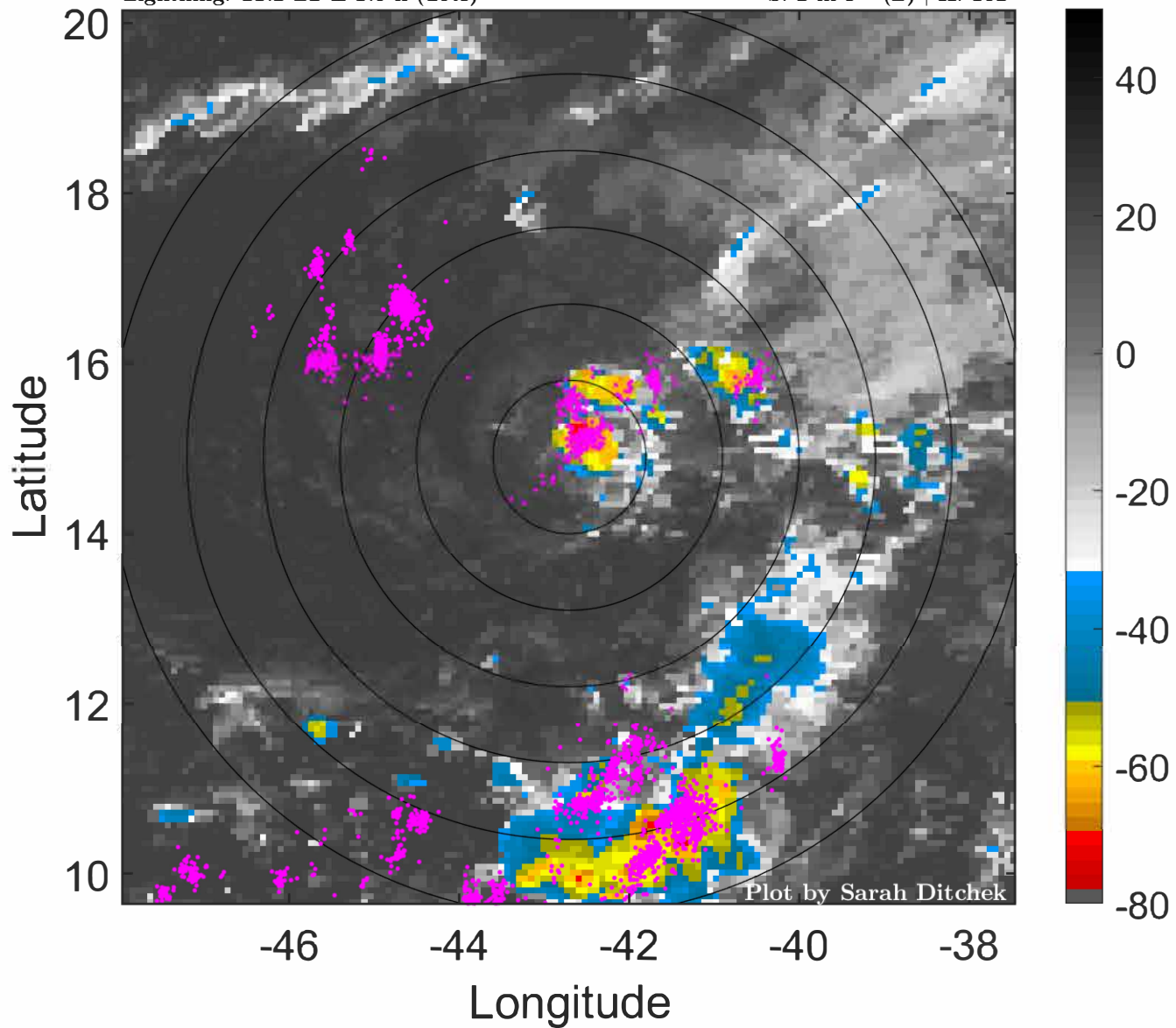
t: 2023101400 (21.2 LT)

Lightning: 21.2 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 35 kt TS

S: 2 m s⁻¹ (L) | H: 162°



6-h IR BT Differences & Lightning

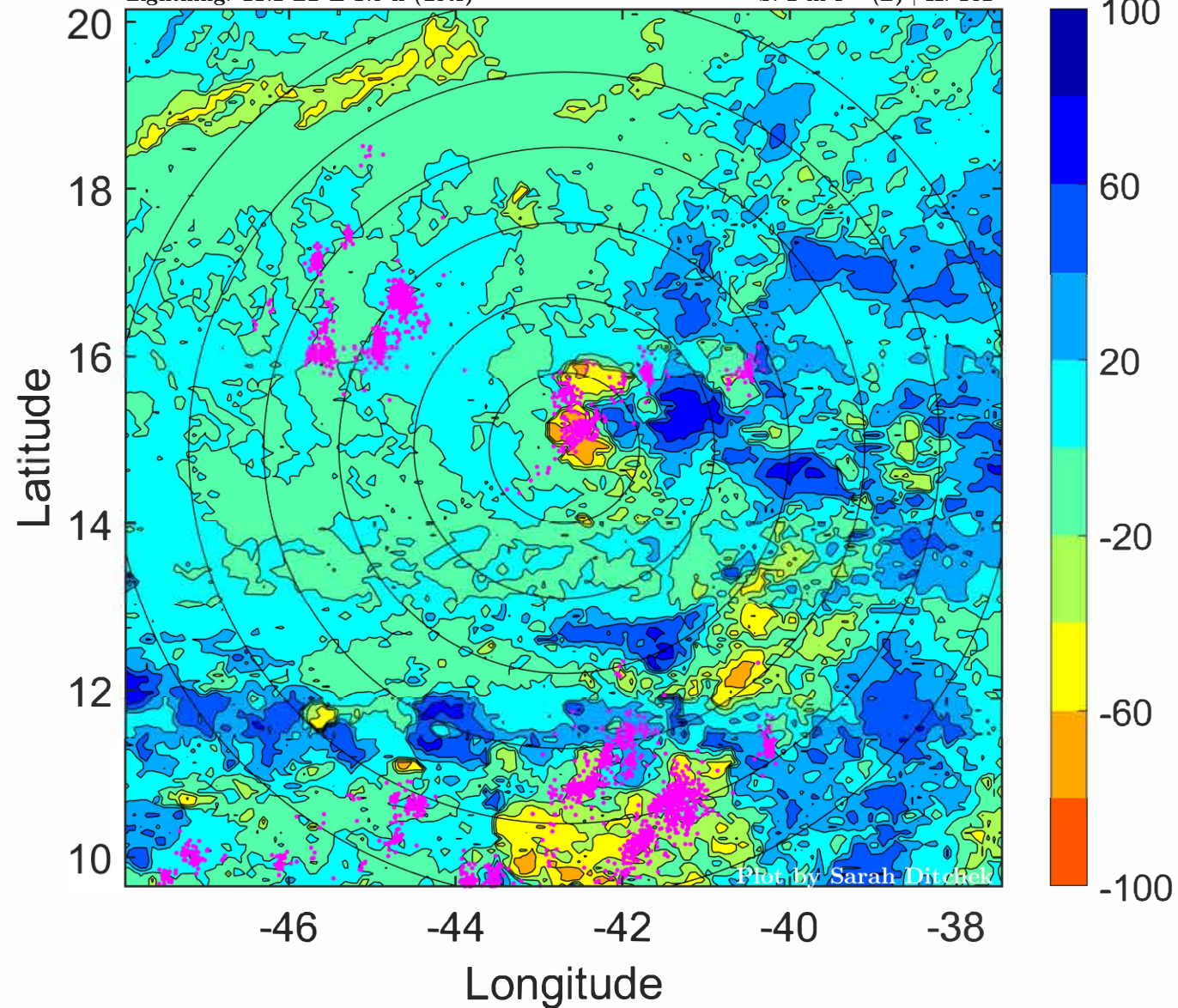
Δ t: 2023101400 (21.2 LT) - 2023101318 (15.2 LT)

Lightning: 21.2 LT $\pm$ 1.5 h (dots)

PT: LLWP | EA: ACT

19L (SEAN) | 35 kt TS

S: 2 m s⁻¹ (L) | H: 162°



IR BT & Lightning

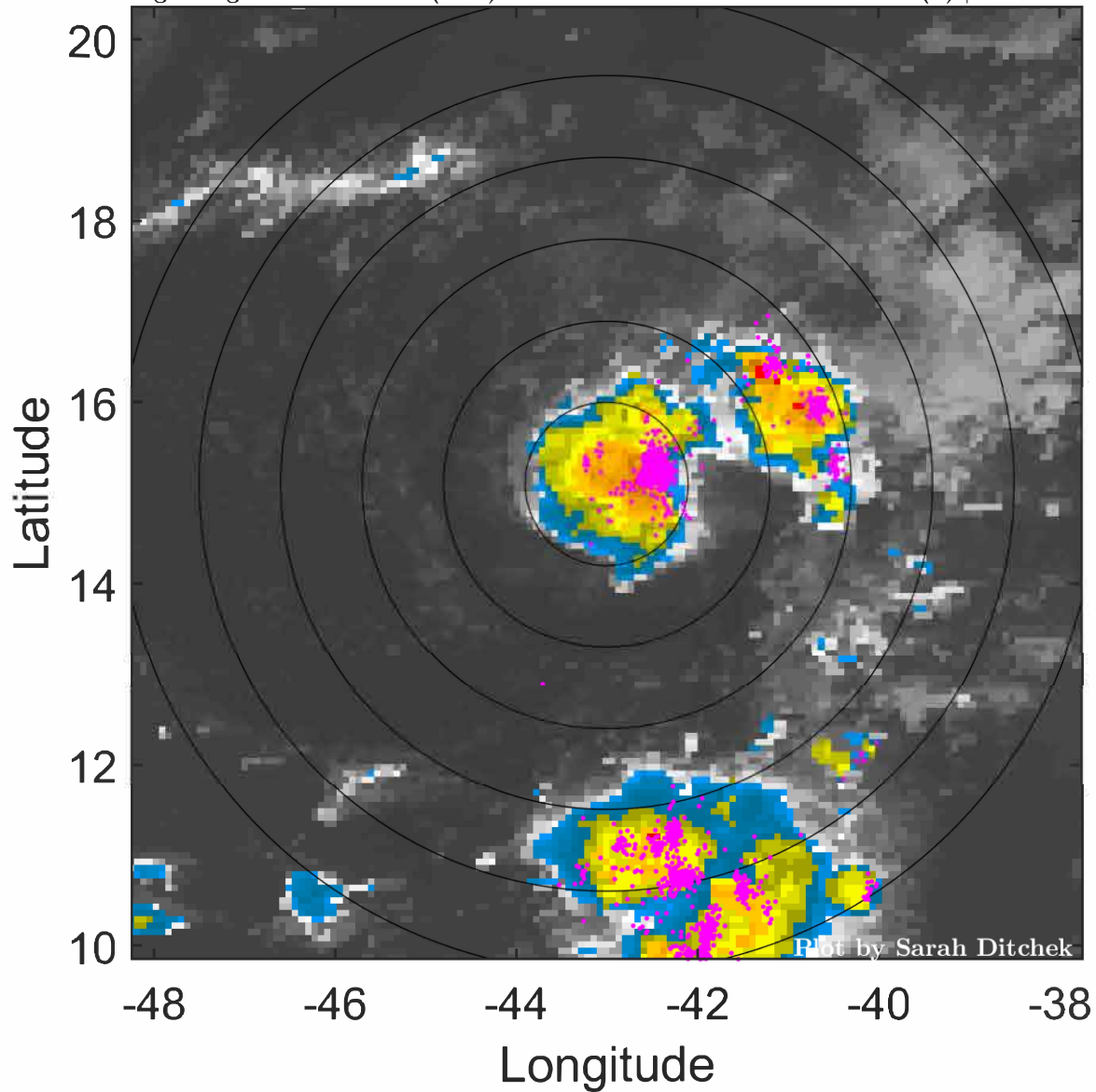
t: 2023101403 (0.1 LT)

Lightning: 0.1 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 32.5 kt TD

S: 2.2 m s⁻¹ (L) | H: 180.5°



6-h IR BT Differences & Lightning

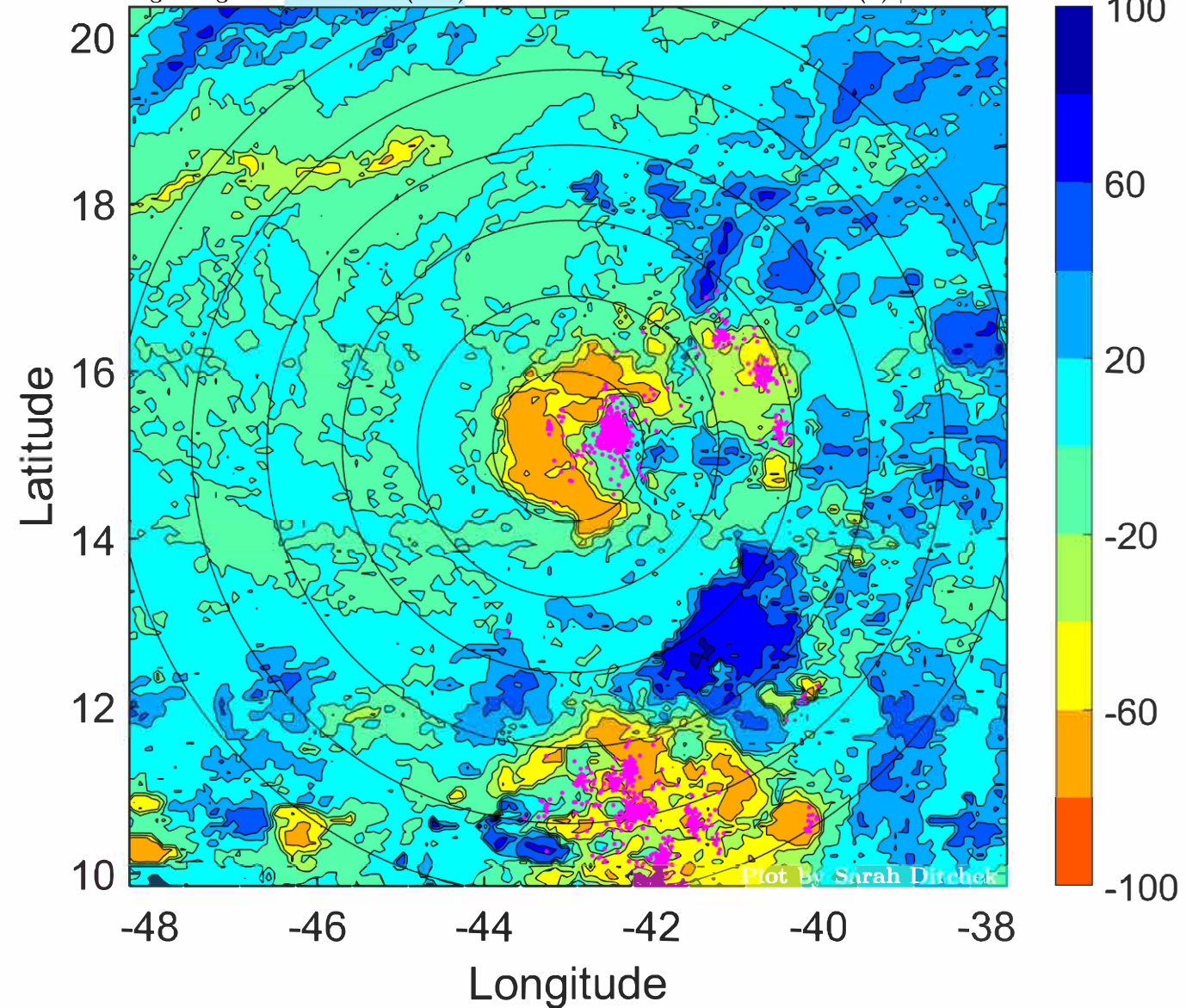
Δ t: 2023101403 (0.1 LT) - 2023101321 (18.2 LT)

Lightning: 0.1 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 32.5 kt TD

S: 2.2 m s⁻¹ (L) | H: 180.5°



IR BT & Lightning

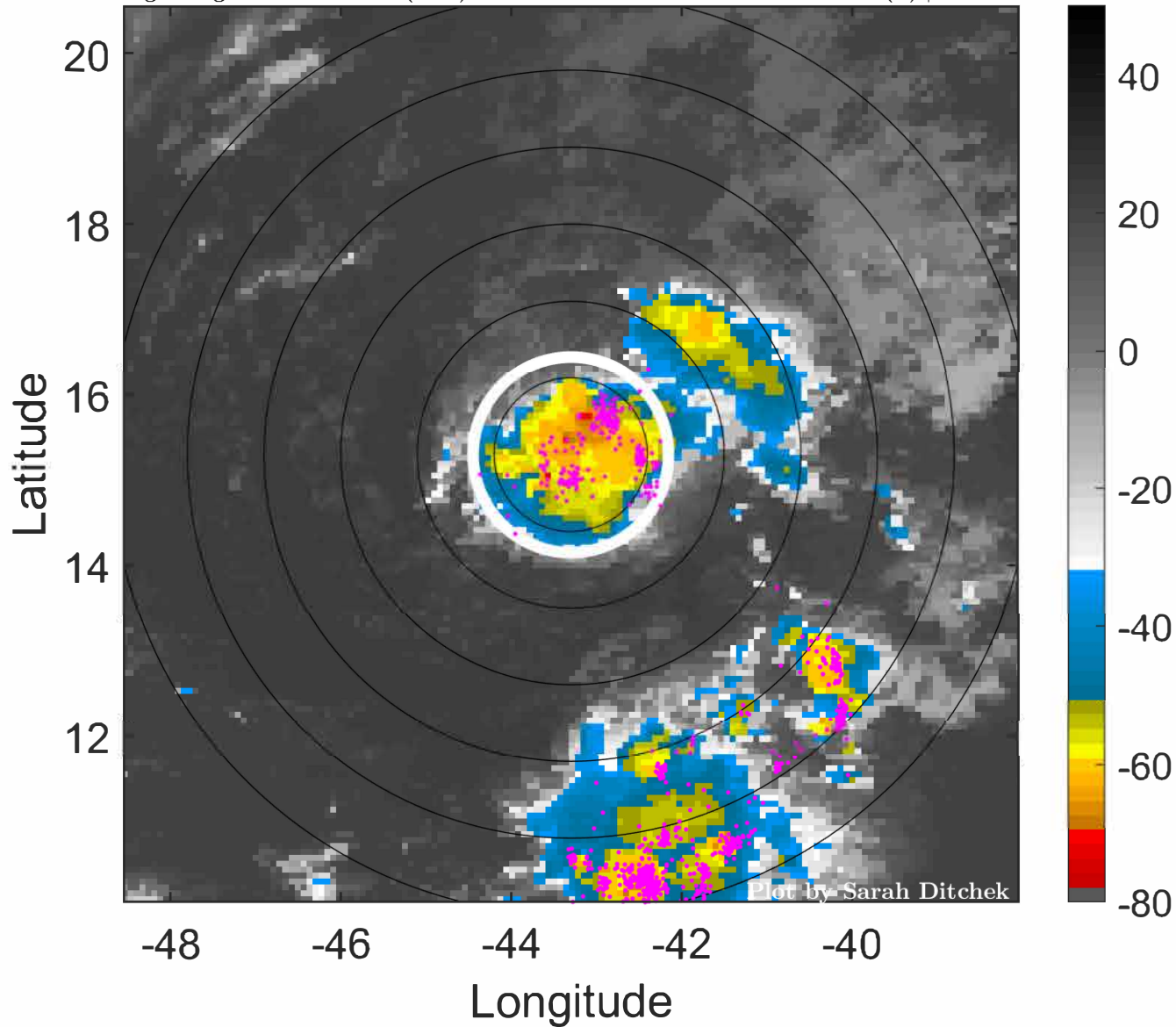
t: 2023101406 (3.1 LT)

Lightning: 3.1 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 2.4 m s⁻¹ (L) | H: 199°



6-h IR BT Differences & Lightning

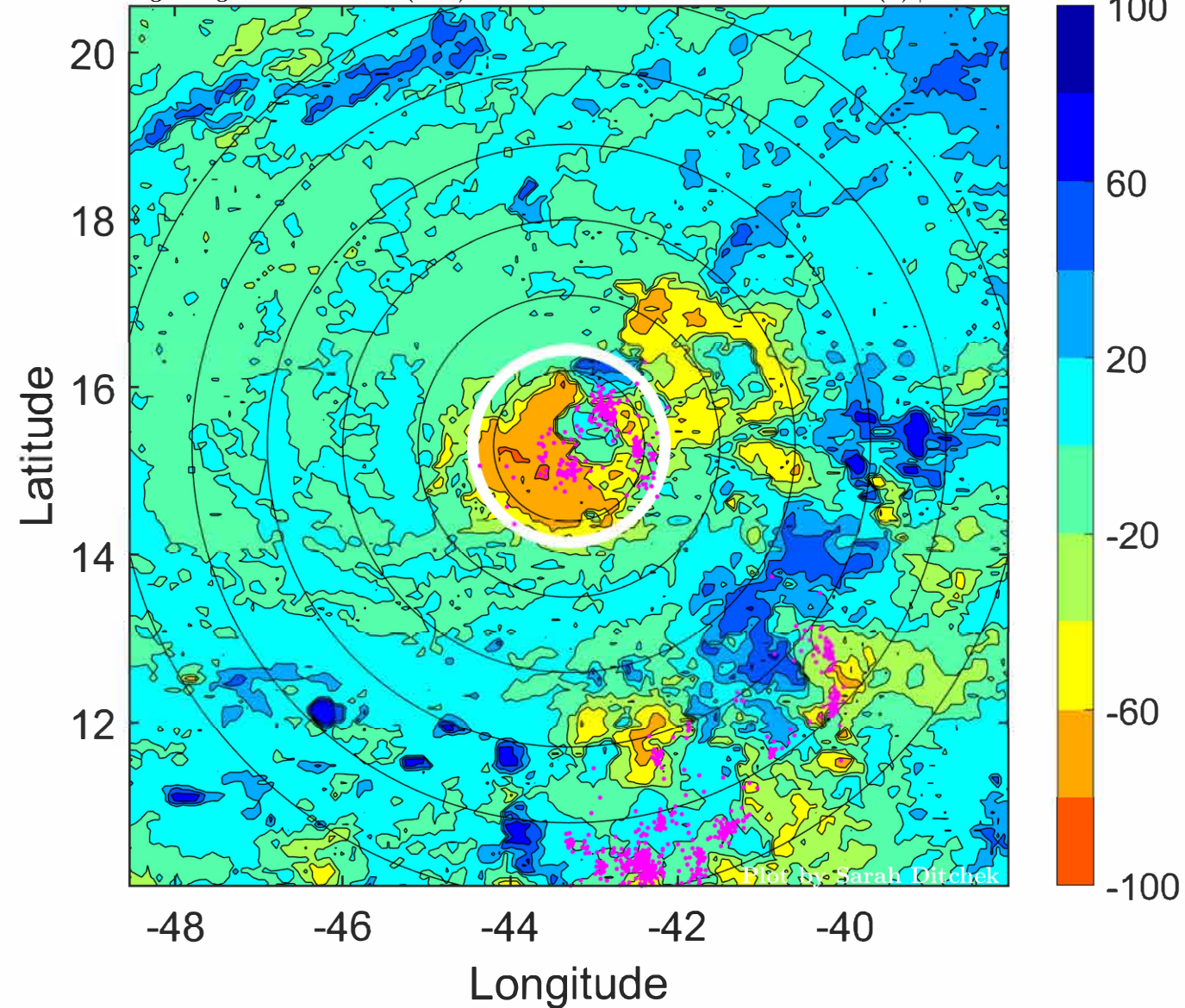
Δ t: 2023101406 (3.1 LT) - 2023101400 (21.2 LT)

Lightning: 3.1 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 2.4 m s⁻¹ (L) | H: 199°



IR BT & Lightning

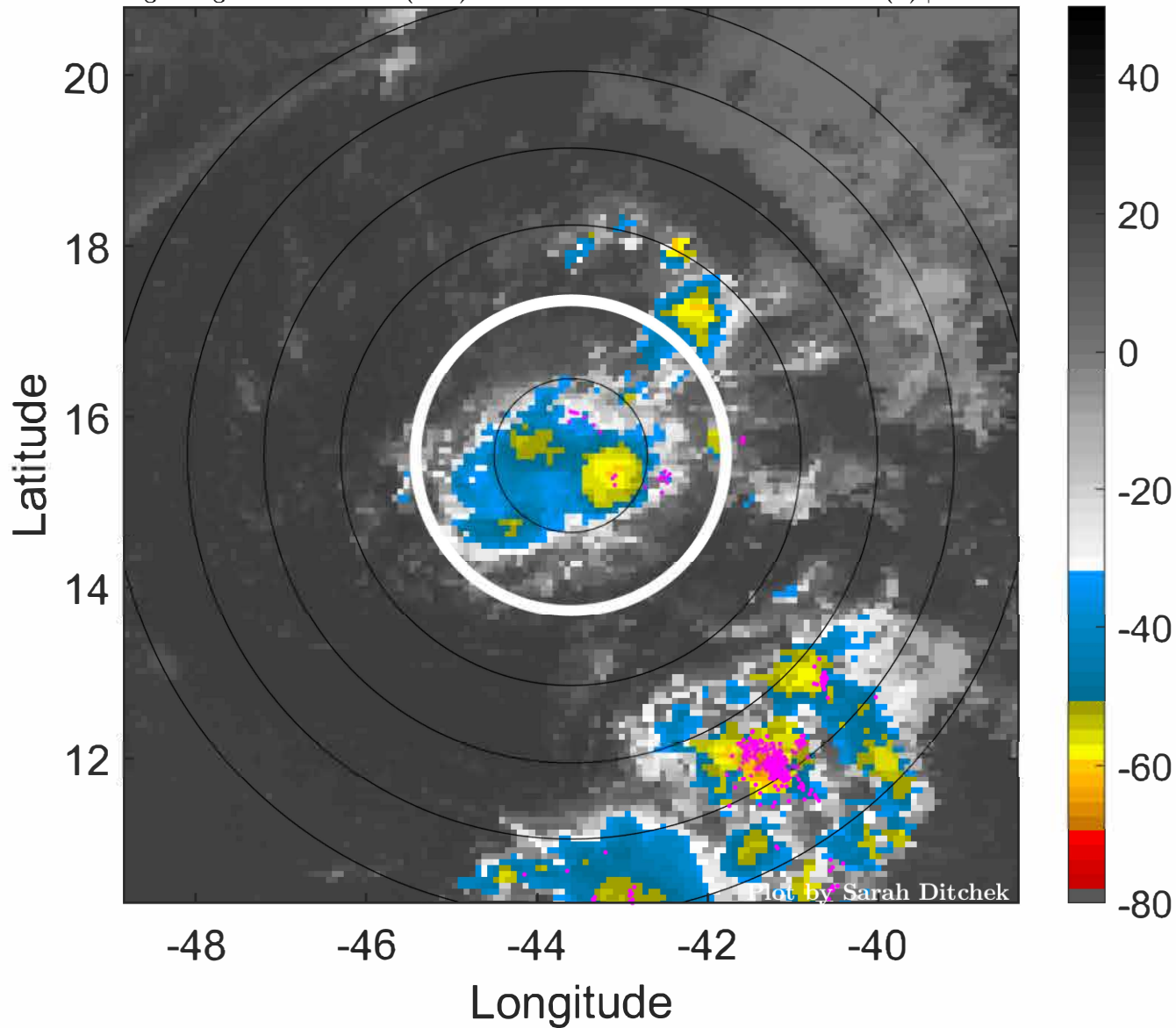
t: 2023101409 (6.1 LT)

Lightning: 6.1 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 2.7 m s⁻¹ (L) | H: 216°



6-h IR BT Differences & Lightning

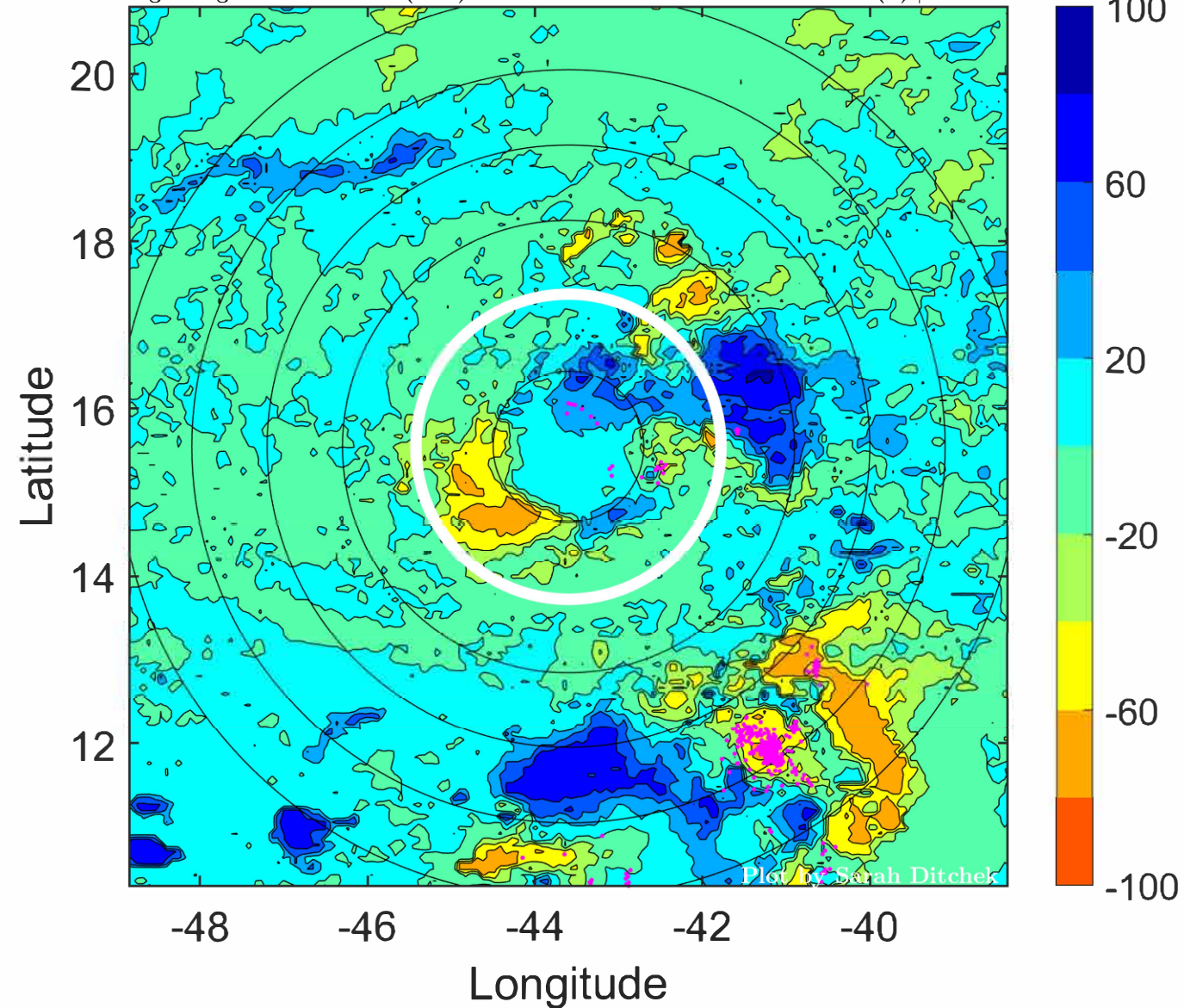
Δ t: 2023101409 (6.1 LT) - 2023101403 (0.1 LT)

Lightning: 6.1 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 2.7 m s⁻¹ (L) | H: 216°



IR BT & Lightning

t: 2023101412 (9.1 LT)

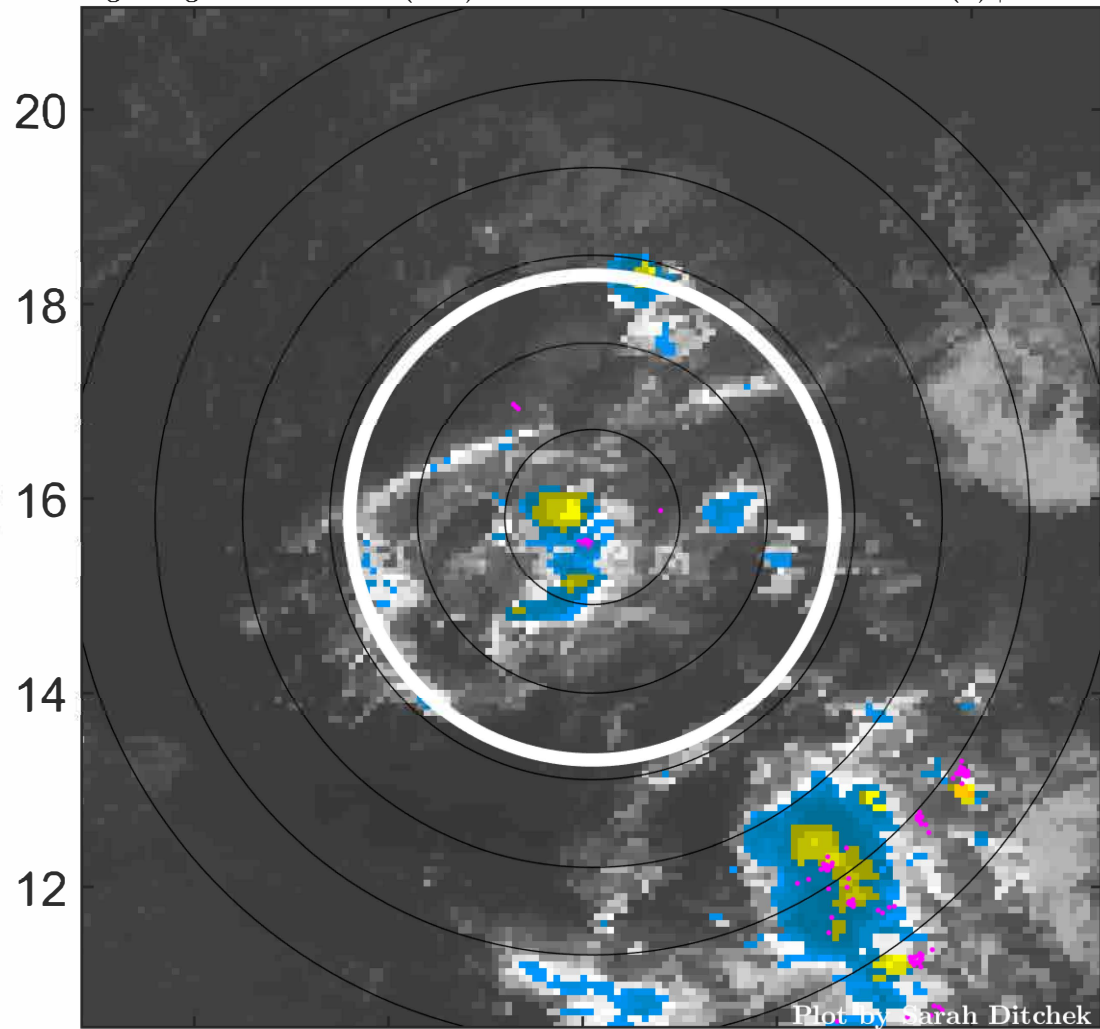
Lightning: 9.1 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 3 m s⁻¹ (L) | H: 233°

Latitude



-48

-46

-44

-42

-40

Longitude

40

20

0

-20

-40

-60

-80

6-h IR BT Differences & Lightning

Δ t: 2023101412 (9.1 LT) - 2023101406 (3.1 LT)

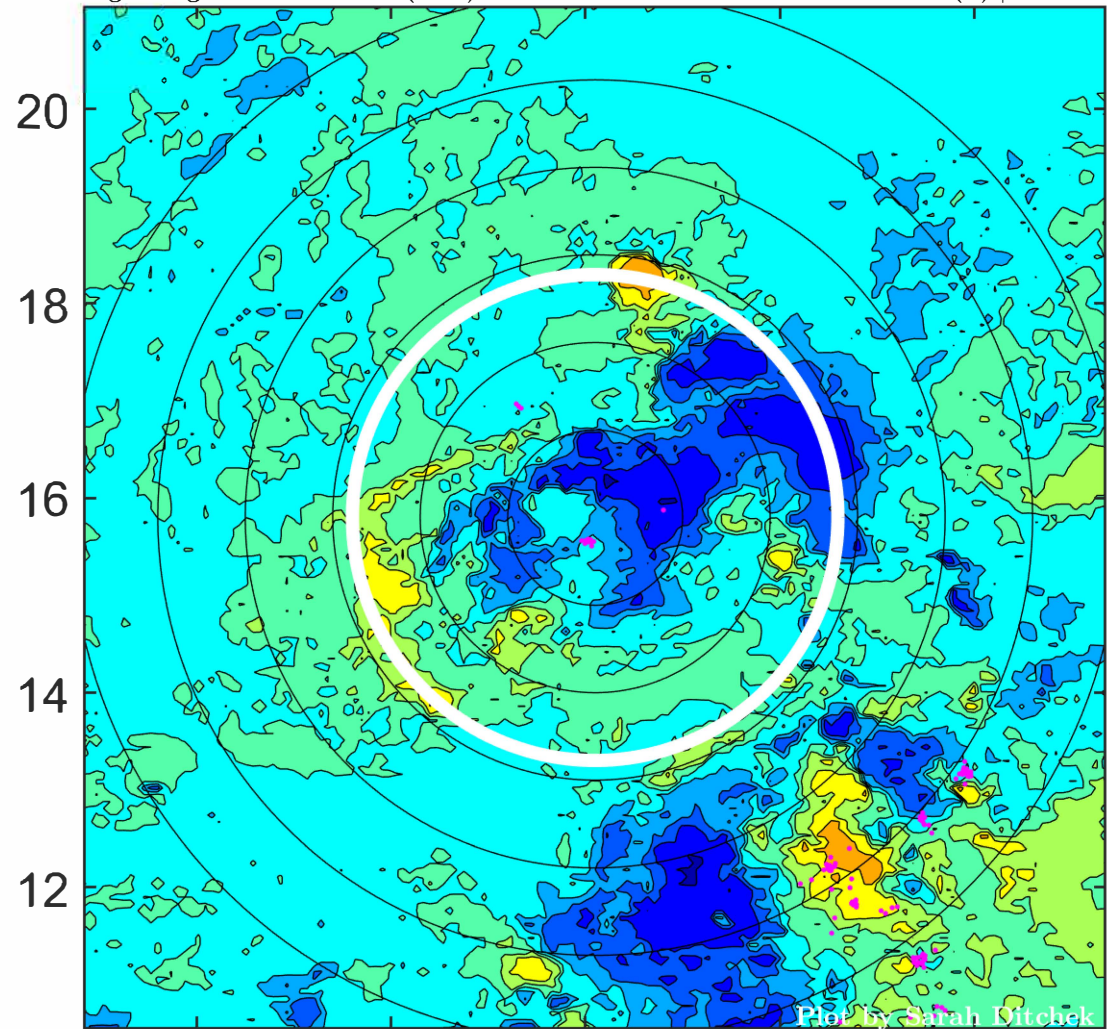
Lightning: 9.1 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 3 m s⁻¹ (L) | H: 233°

Latitude



-48

-46

-44

-42

-40

Longitude

100

60

20

-20

-60

-100

IR BT & Lightning

t: 2023101415 (12.1 LT)

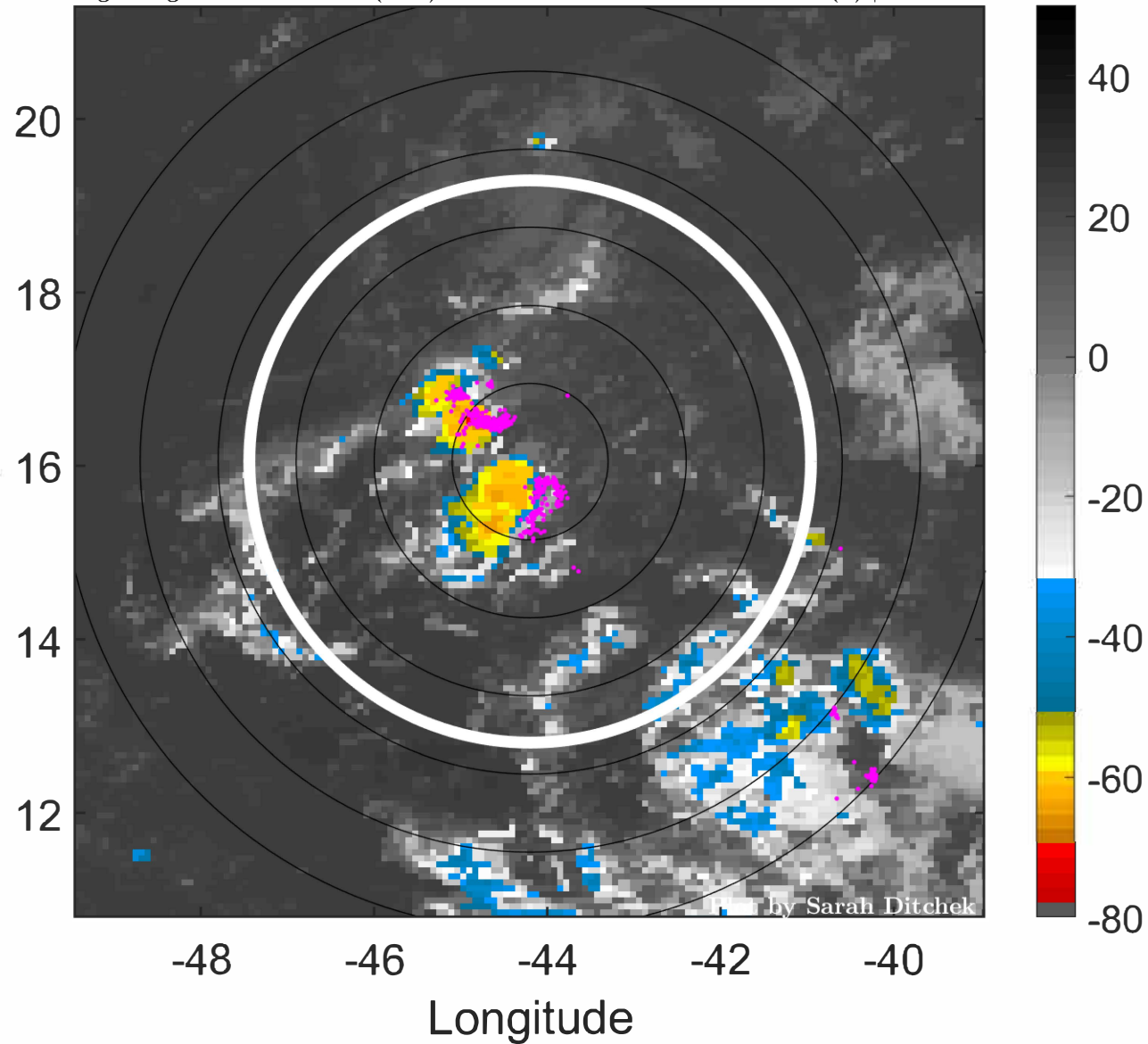
Lightning: 12.1 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 3.1 m s⁻¹ (L) | H: 249.5°

Latitude



6-h IR BT Differences & Lightning

Δ t: 2023101415 (12.1 LT) - 2023101409 (6.1 LT)

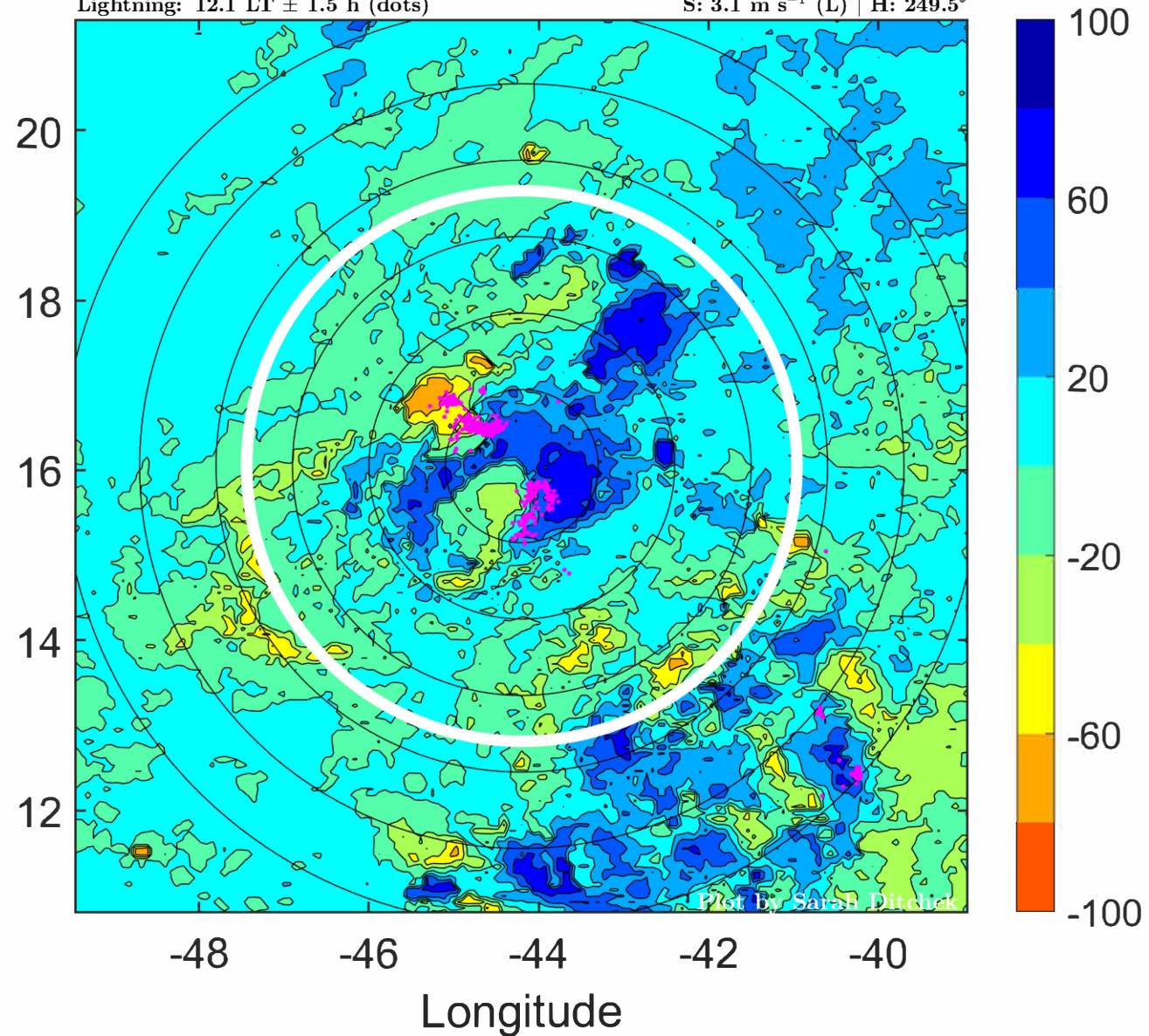
Lightning: 12.1 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 3.1 m s⁻¹ (L) | H: 249.5°

Latitude



IR BT & Lightning

t: 2023101418 (15 LT)

Lightning: 15 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 3.1 m s⁻¹ (L) | H: 266°

Latitude

20

18

16

14

12

-48

-46

-44

-42

-40

Longitude

40

20

0

-20

-40

-60

-80

Plot by Sarah Ditchek

6-h IR BT Differences & Lightning

Δ t: 2023101418 (15 LT) - 2023101412 (9.1 LT)

Lightning: 15 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 3.1 m s⁻¹ (L) | H: 266°

Latitude

20

18

16

14

12

-48

-46

-44

-42

-40

Longitude

100

60

20

-20

-60

-100

Plot by Sarah Ditchek

IR BT & Lightning

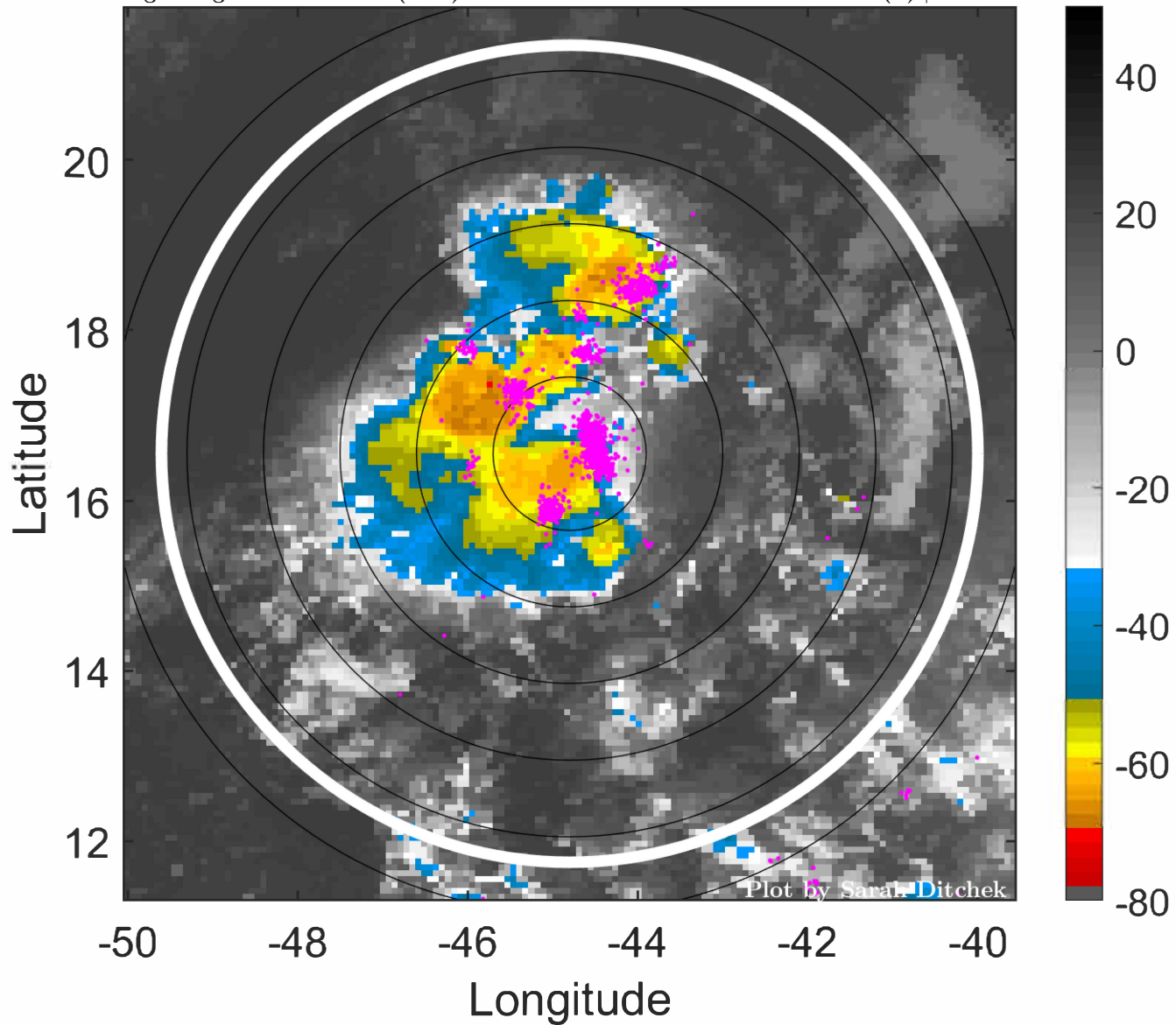
t: 2023101421 (18 LT)

Lightning: 18 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 2.9 m s⁻¹ (L) | H: 275°



6-h IR BT Differences & Lightning

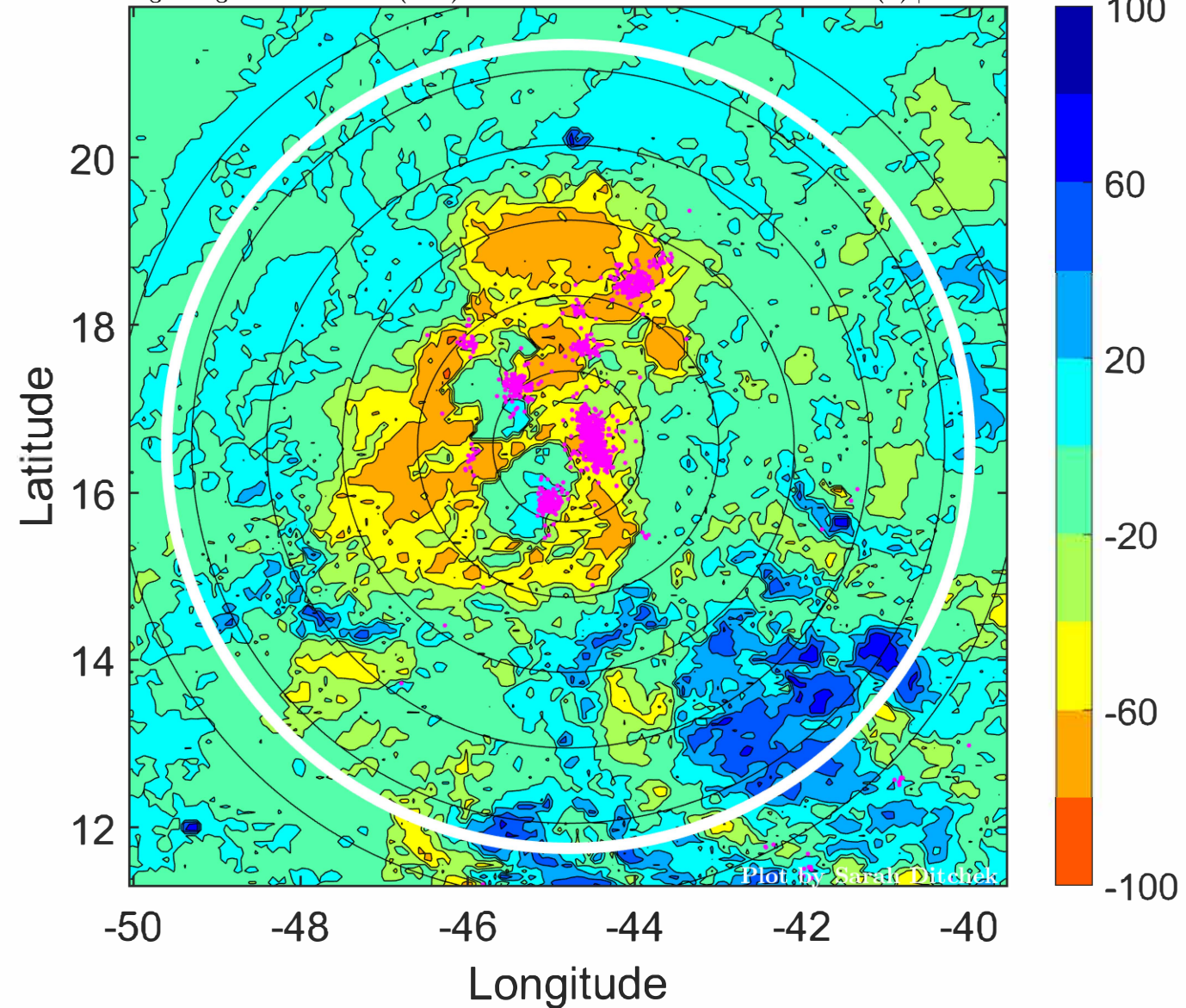
Δ t: 2023101421 (18 LT) - 2023101415 (12.1 LT)

Lightning: 18 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 2.9 m s⁻¹ (L) | H: 275°



IR BT & Lightning

t: 2023101500 (21 LT)

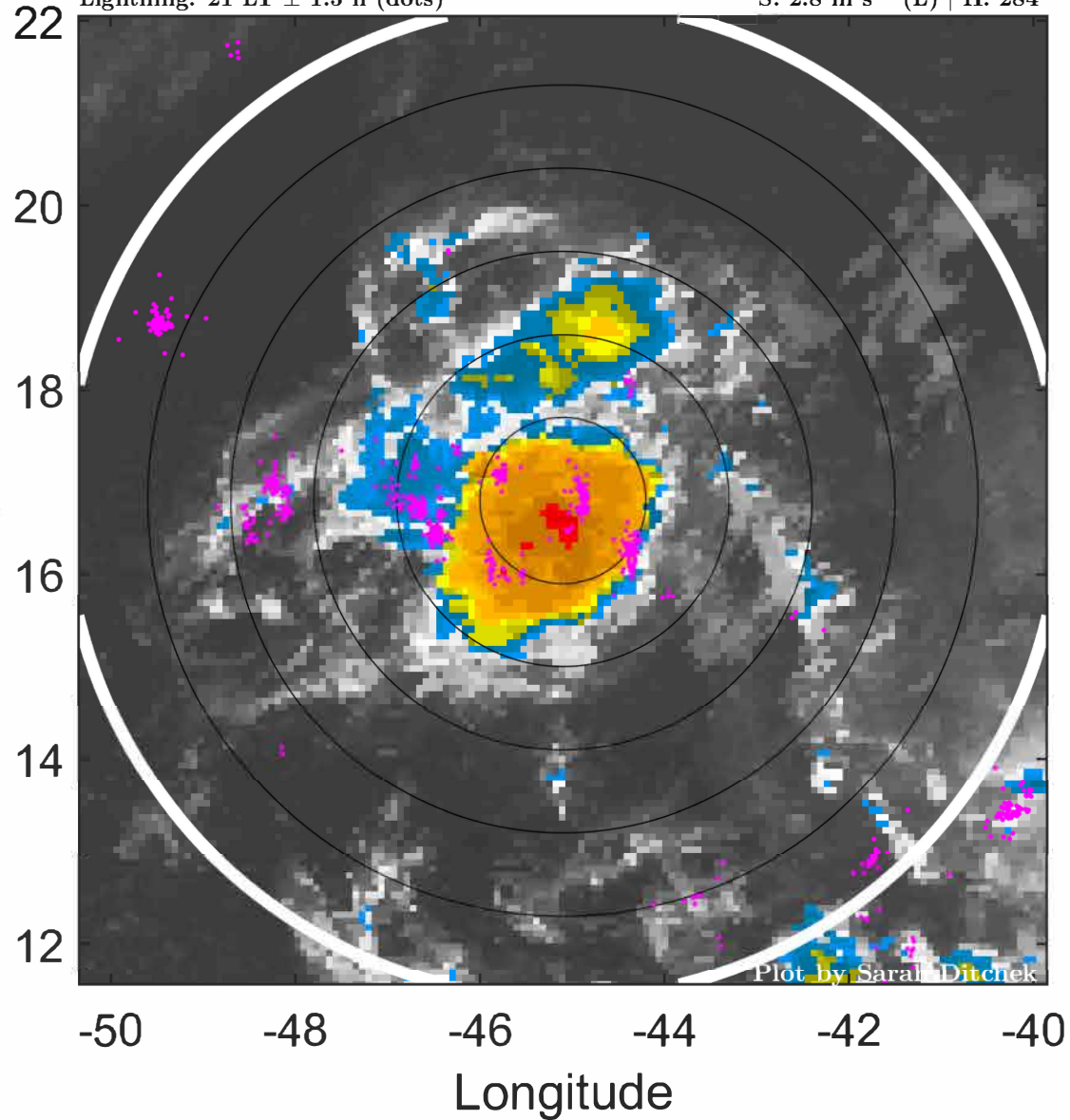
Lightning: 21 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 2.8 m s⁻¹ (L) | H: 284°

Latitude



6-h IR BT Differences & Lightning

Δ t: 2023101500 (21 LT) - 2023101418 (15 LT)

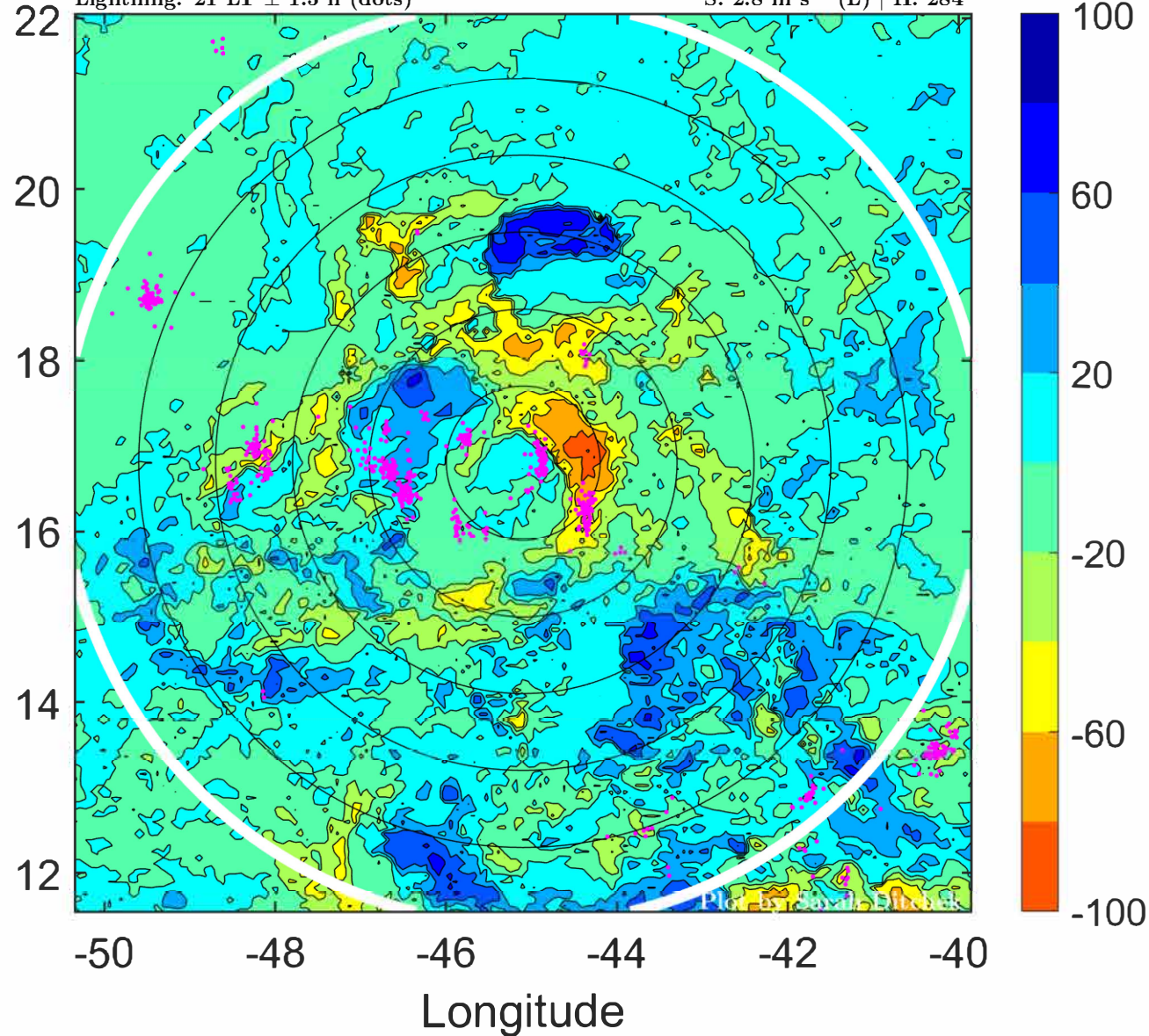
Lightning: 21 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 2.8 m s⁻¹ (L) | H: 284°

Latitude



IR BT & Lightning

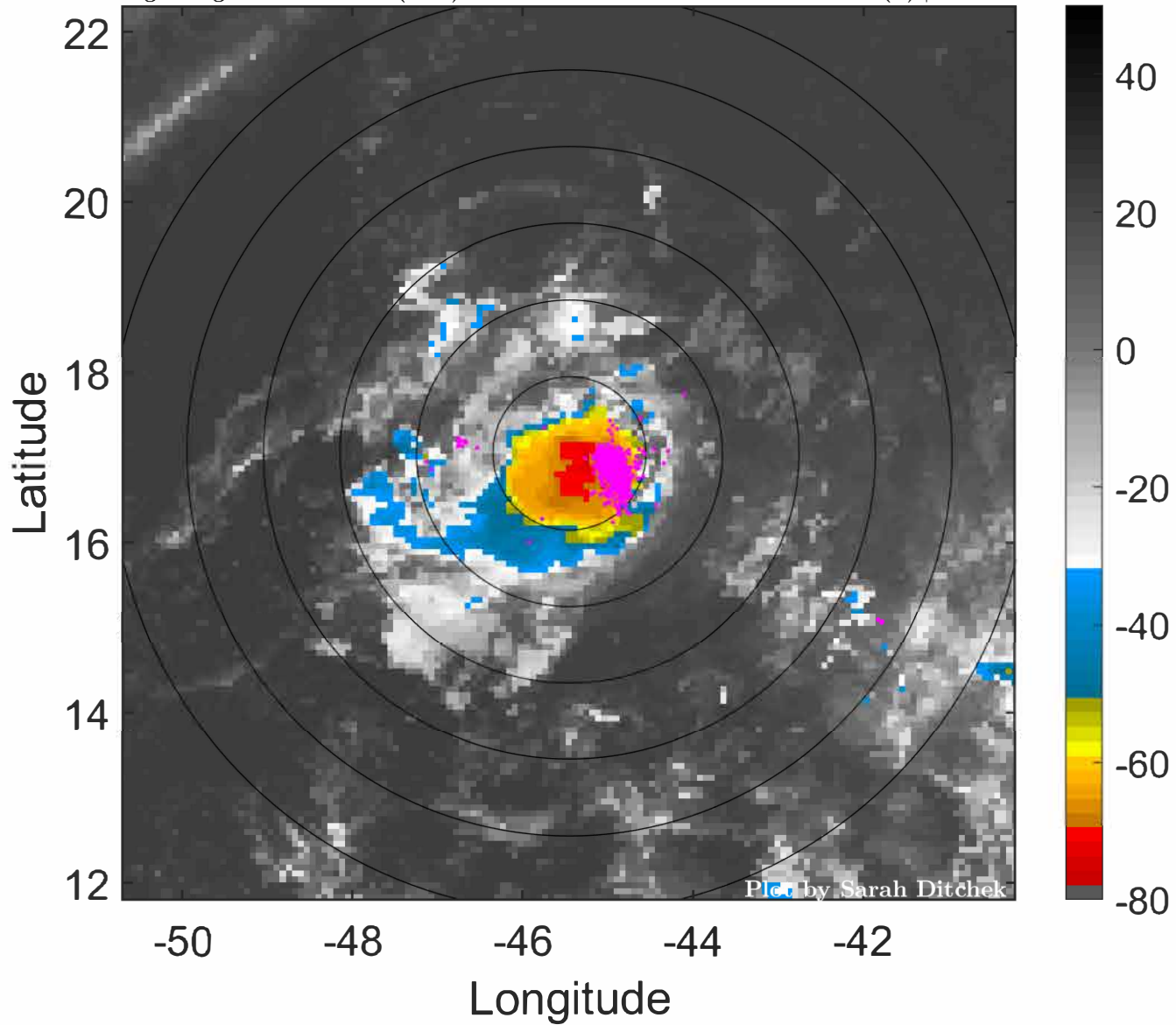
t: 2023101503 (24 LT)

Lightning: 24 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 2.2 m s⁻¹ (L) | H: 280°



6-h IR BT Differences & Lightning

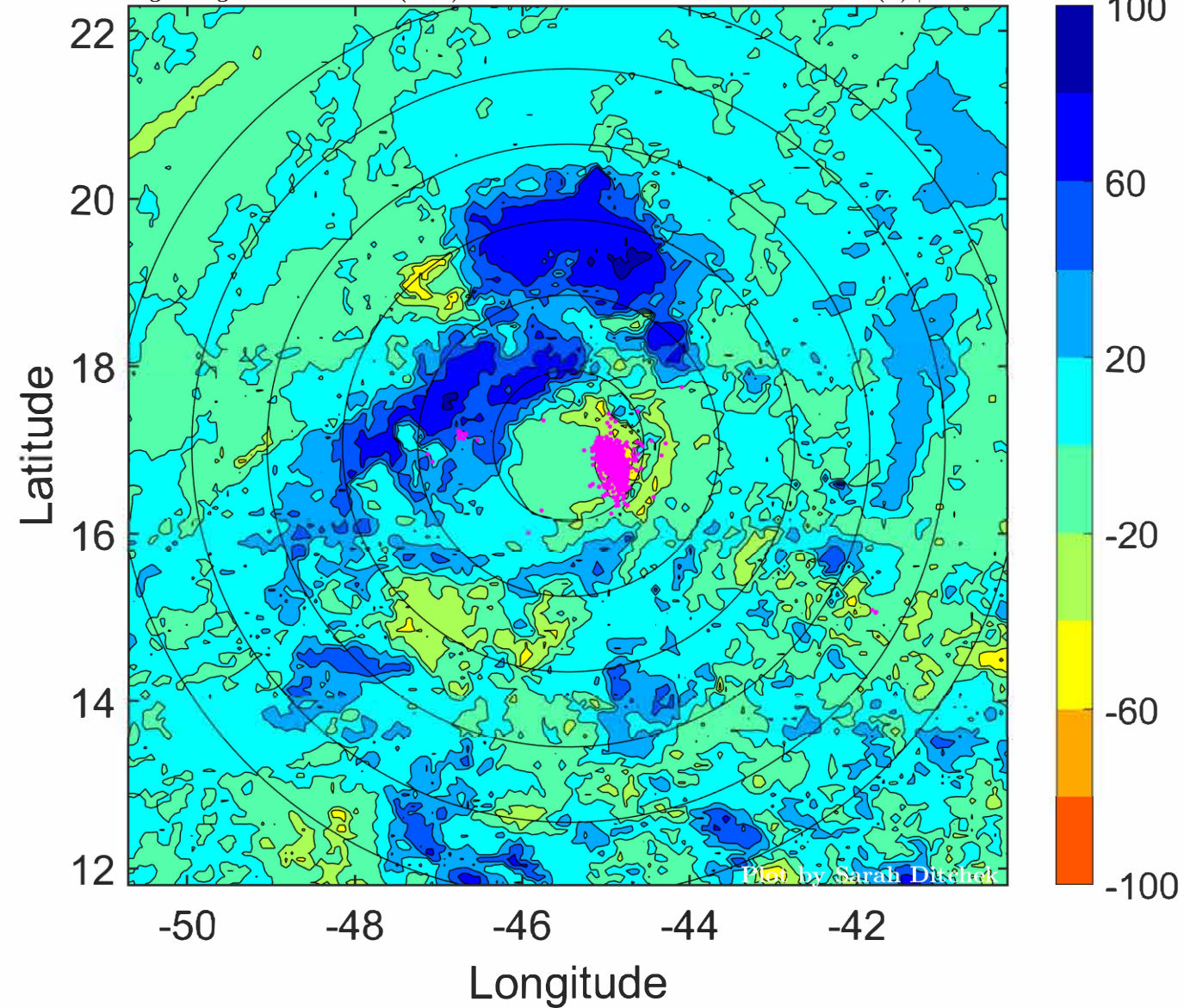
Δ t: 2023101503 (24 LT) - 2023101421 (18 LT)

Lightning: 24 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 2.2 m s⁻¹ (L) | H: 280°



IR BT & Lightning

t: 2023101506 (2.9 LT)

Lightning: 2.9 LT $\pm$ 1.5 h (dots)

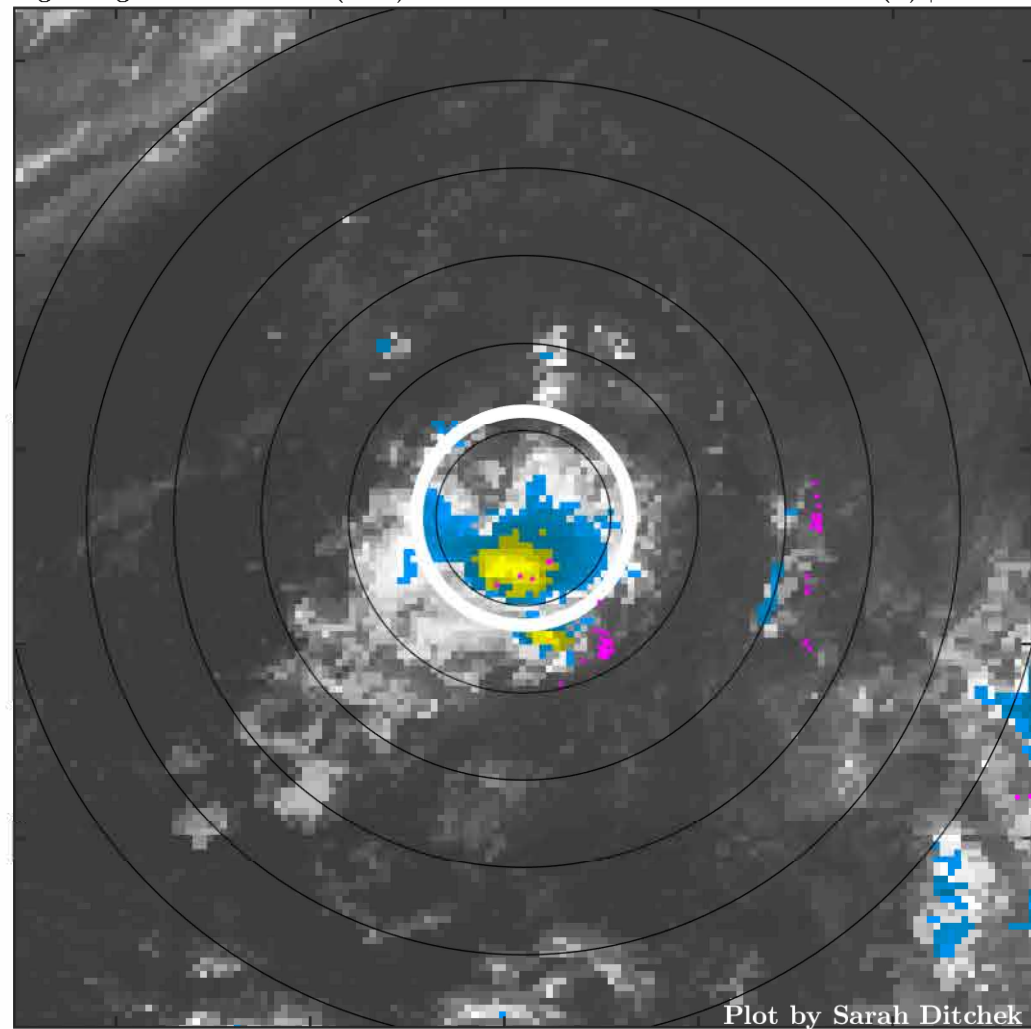
PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 1.6 m s⁻¹ (L) | H: 276°

Latitude

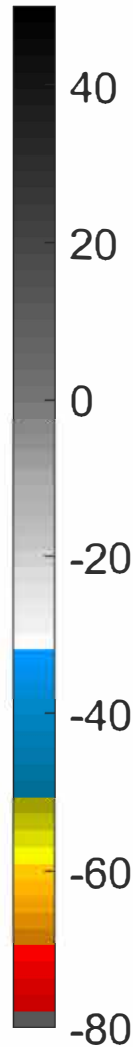
22
20
18
16
14



Plot by Sarah Ditchek

-50 -48 -46 -44 -42

Longitude



6-h IR BT Differences & Lightning

Δ t: 2023101506 (2.9 LT) - 2023101500 (21 LT)

Lightning: 2.9 LT $\pm$ 1.5 h (dots)

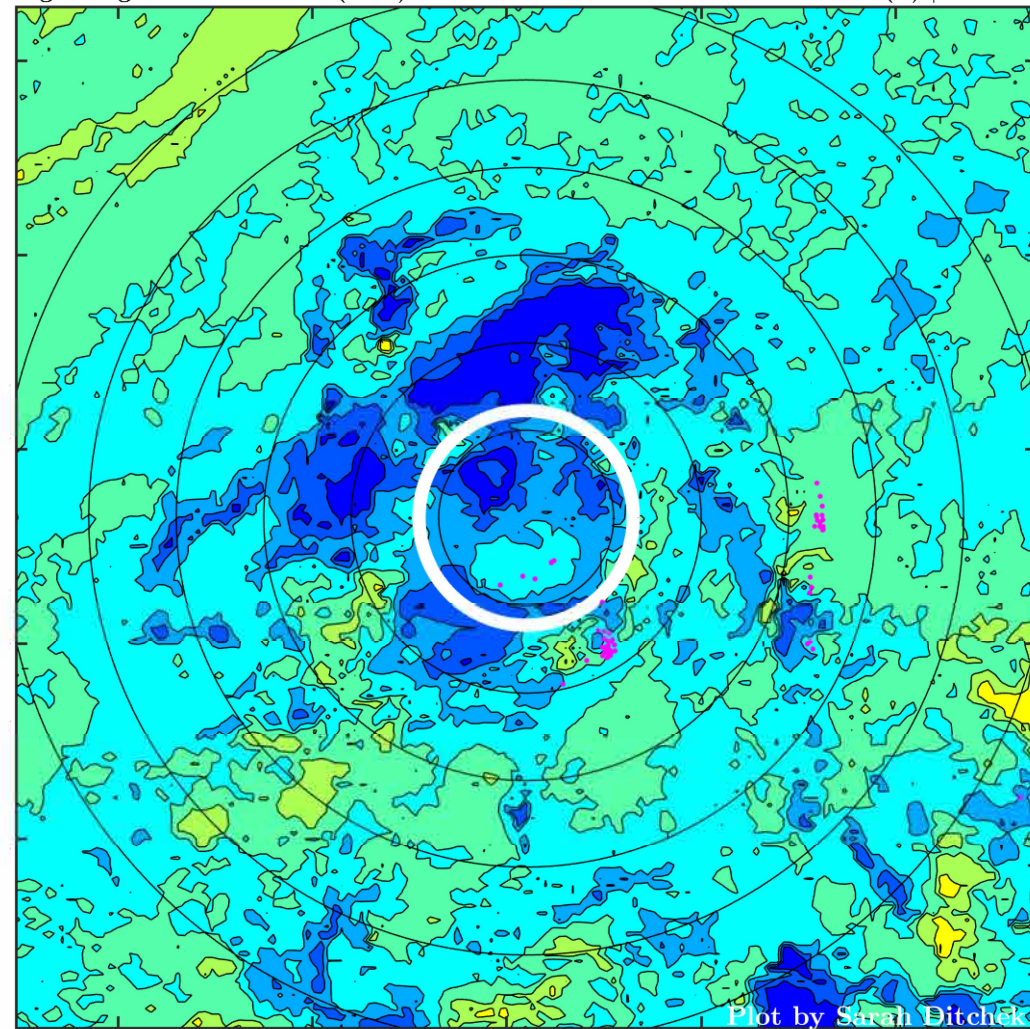
PT: SLCP | EA: QUASI

19L (SEAN) | 30 kt TD

S: 1.6 m s⁻¹ (L) | H: 276°

Latitude

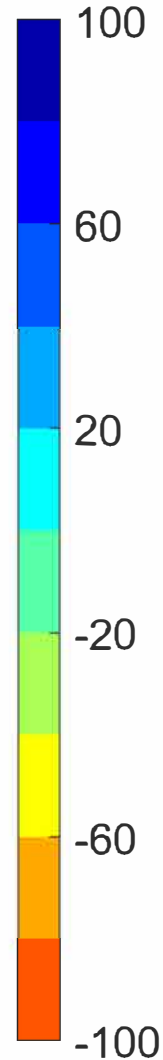
22
20
18
16
14



Plot by Sarah Ditchek

-50 -48 -46 -44 -42

Longitude



IR BT & Lightning

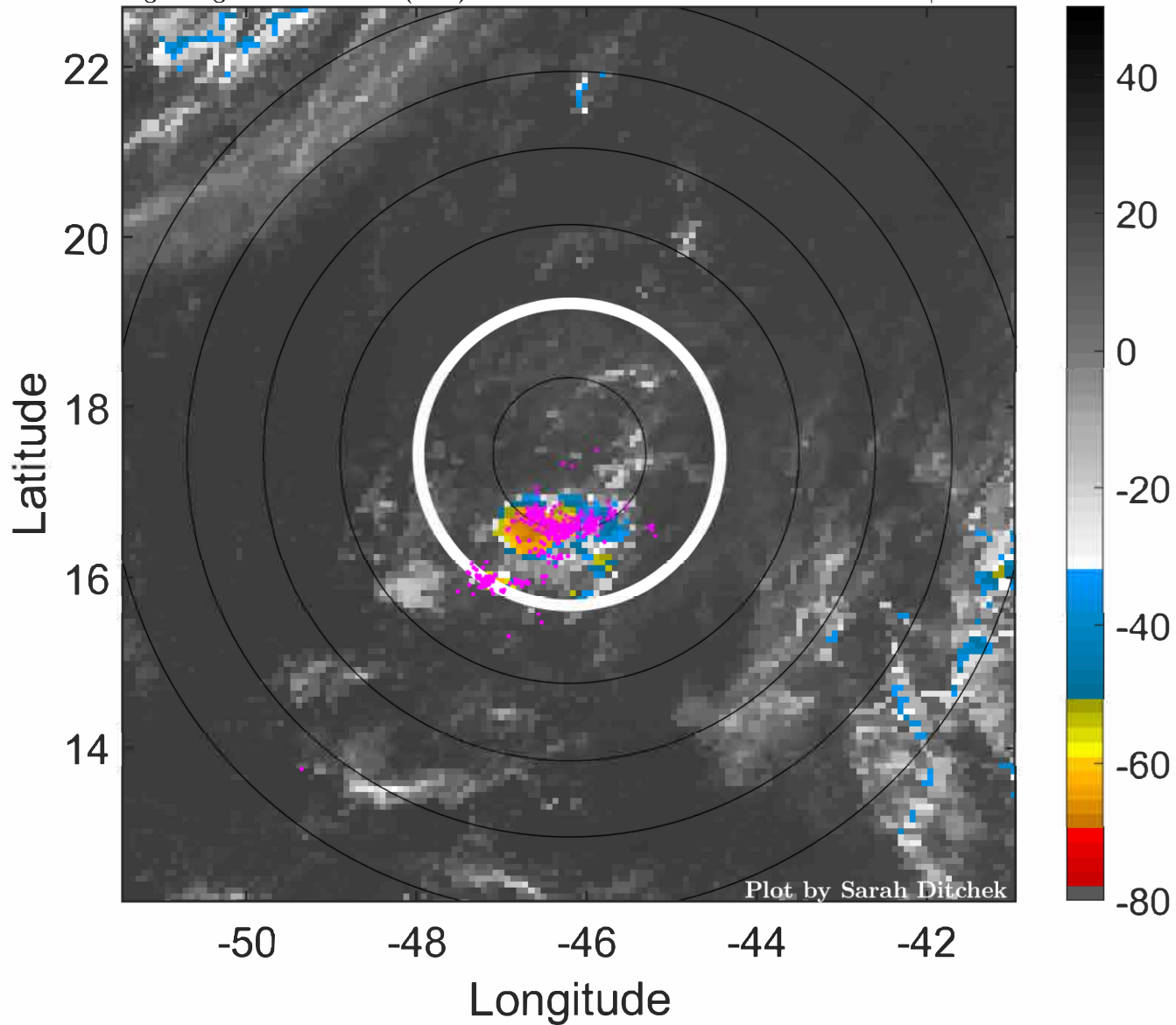
t: 2023101509 (5.9 LT)

Lightning: 5.9 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 27.5 kt TD

S: null | H: null



6-h IR BT Differences & Lightning

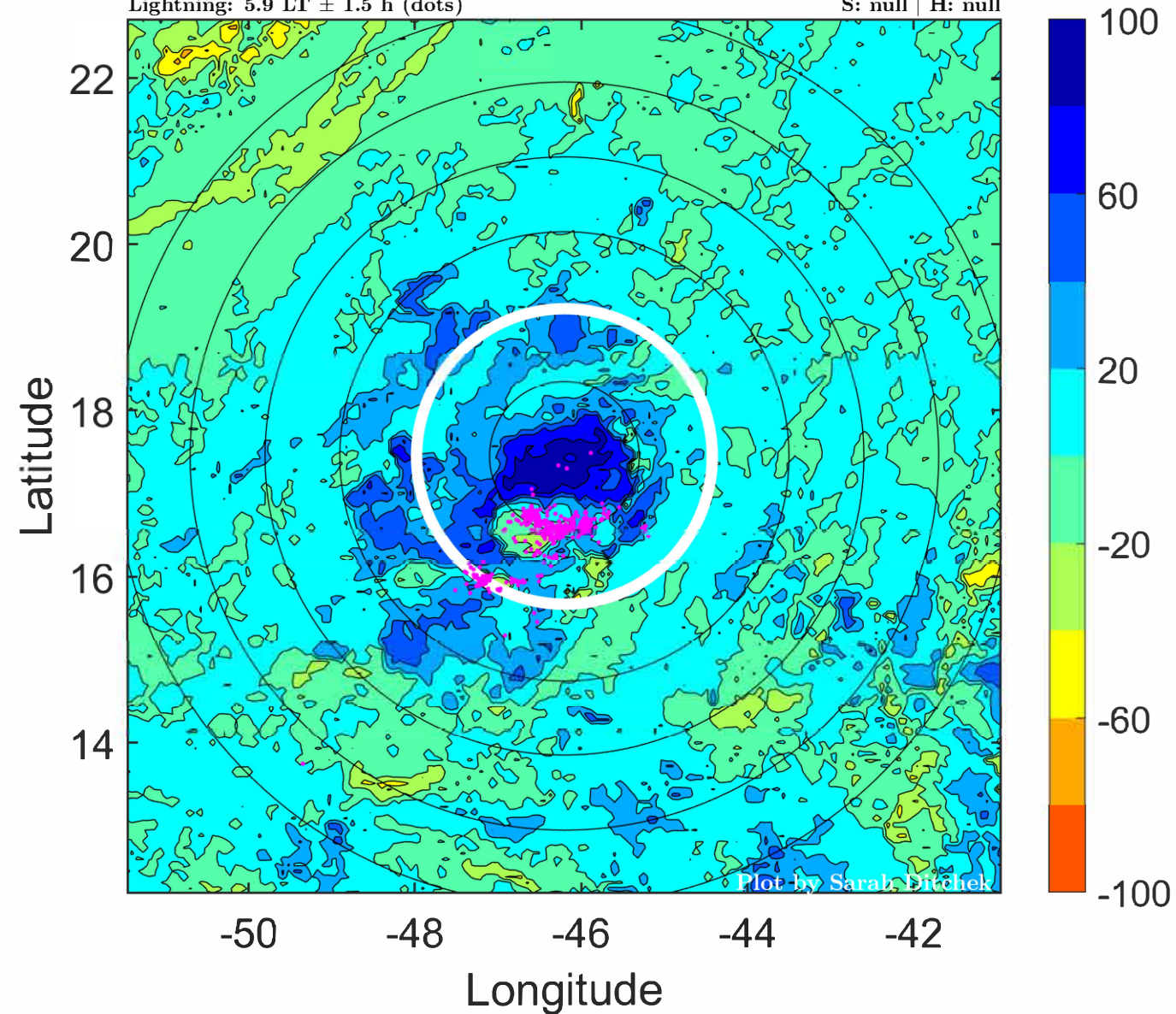
Δ t: 2023101509 (5.9 LT) - 2023101503 (24 LT)

Lightning: 5.9 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 27.5 kt TD

S: null | H: null



IR BT & Lightning

t: 2023101512 (8.9 LT)

Lightning: 8.9 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude

22

20

18

16

14

-50

-48

-46

-44

-42

Longitude

40

20

0

-20

-40

-60

-80

Plot by Sarah Ditchek

6-h IR BT Differences & Lightning

Δ t: 2023101512 (8.9 LT) - 2023101506 (2.9 LT)

Lightning: 8.9 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude

22

20

18

16

14

-50

-48

-46

-44

-42

Longitude

100

60

20

-20

-60

-100

Plot by Sarah Ditchek

IR BT & Lightning

t: 2023101515 (11.9 LT)

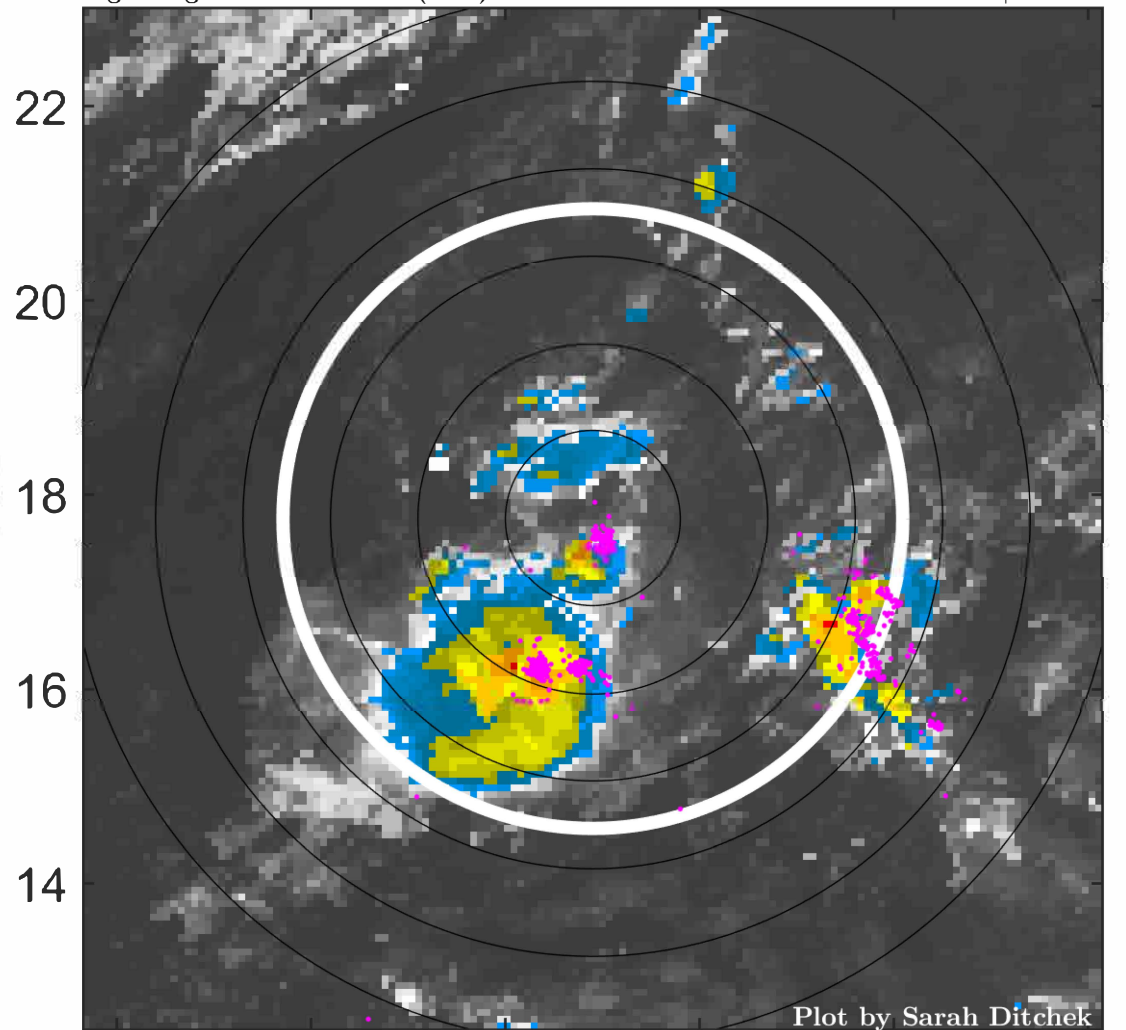
Lightning: 11.9 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude



Plot by Sarah Ditchek

40

20

0

-20

-40

-60

-80

6-h IR BT Differences & Lightning

Δ t: 2023101515 (11.9 LT) - 2023101509 (5.9 LT)

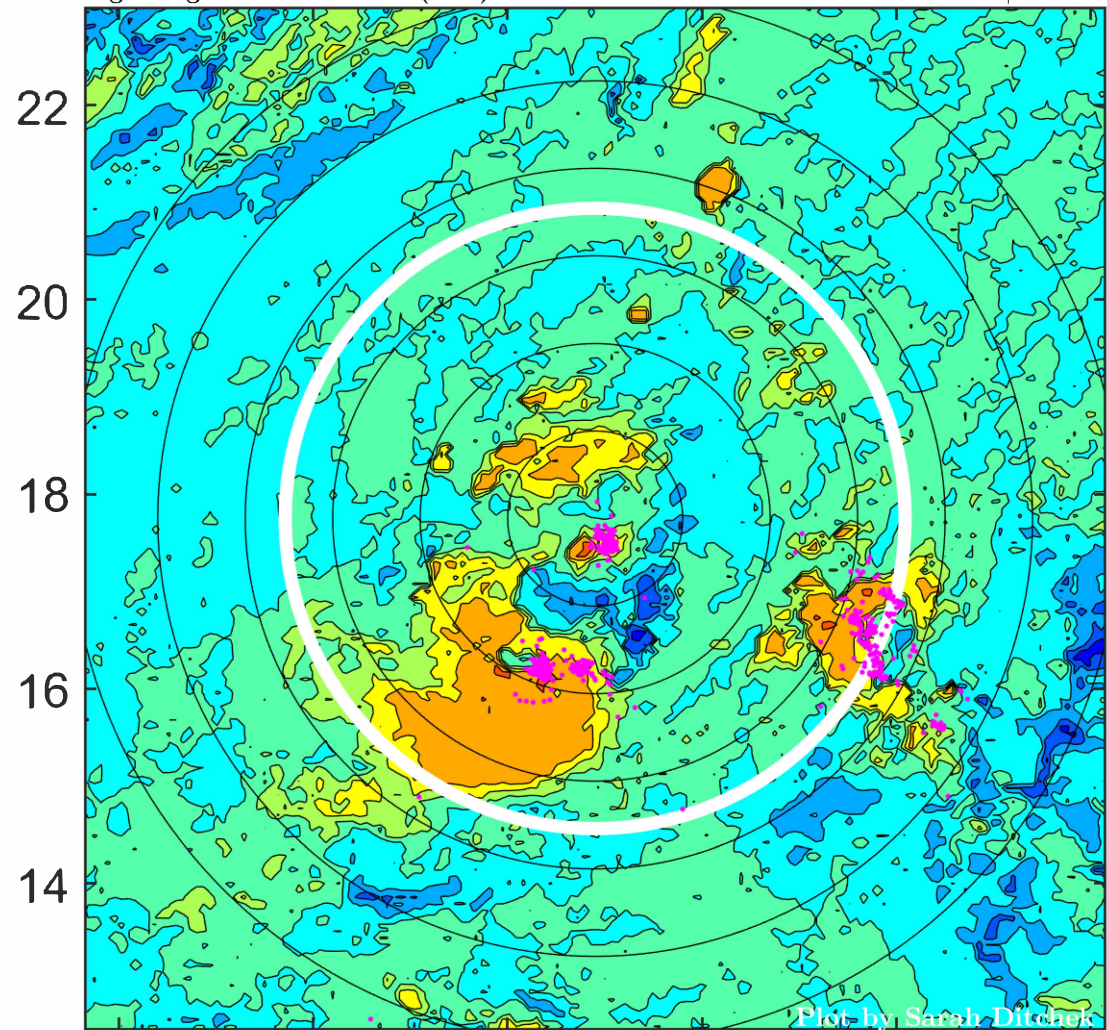
Lightning: 11.9 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude



Plot by Sarah Ditchek

100

60

20

-20

-60

-100

-52 -50 -48 -46 -44 -42

Longitude

-52 -50 -48 -46 -44 -42

Longitude

IR BT & Lightning

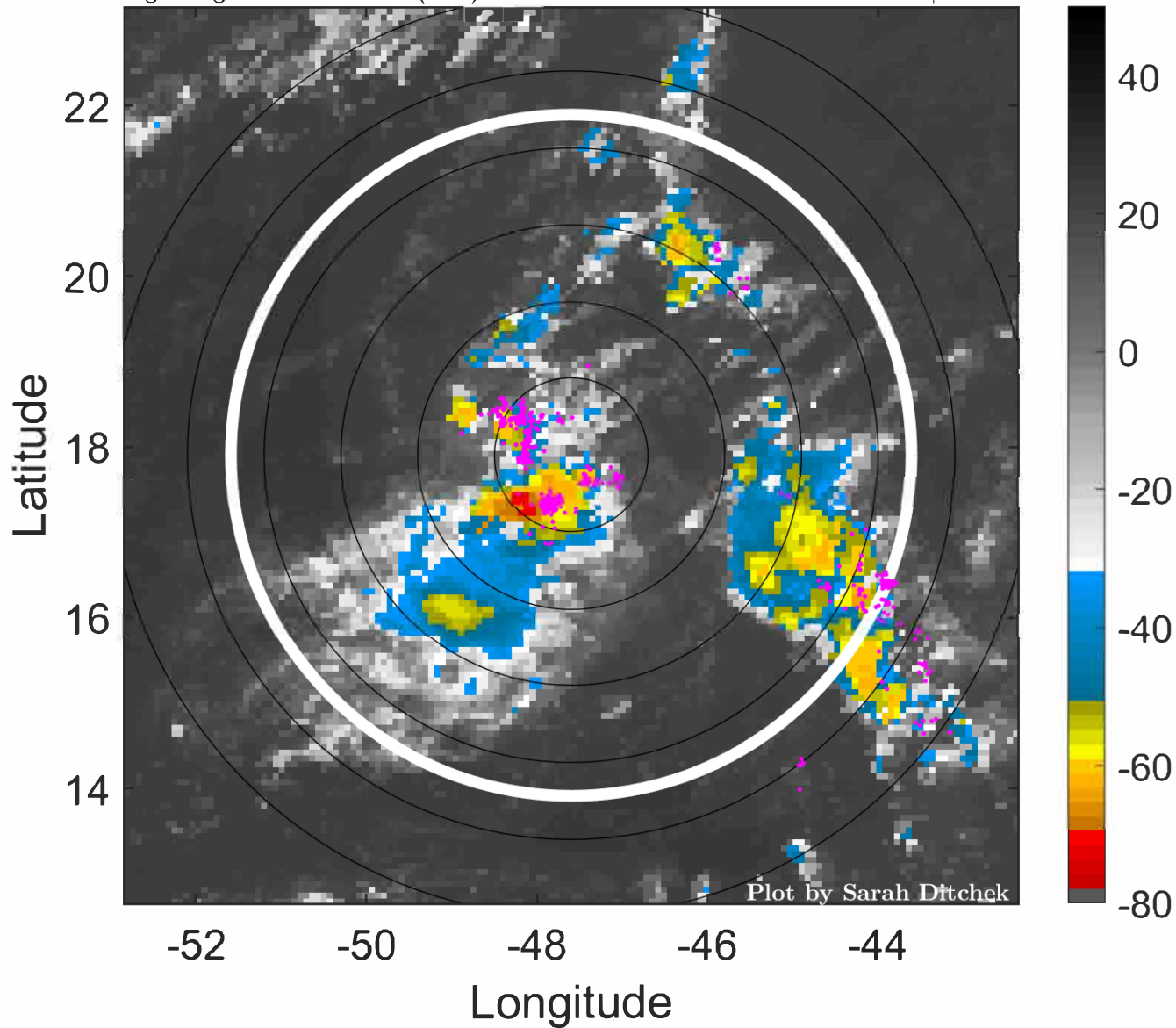
t: 2023101518 (14.8 LT)

Lightning: 14.8 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null



6-h IR BT Differences & Lightning

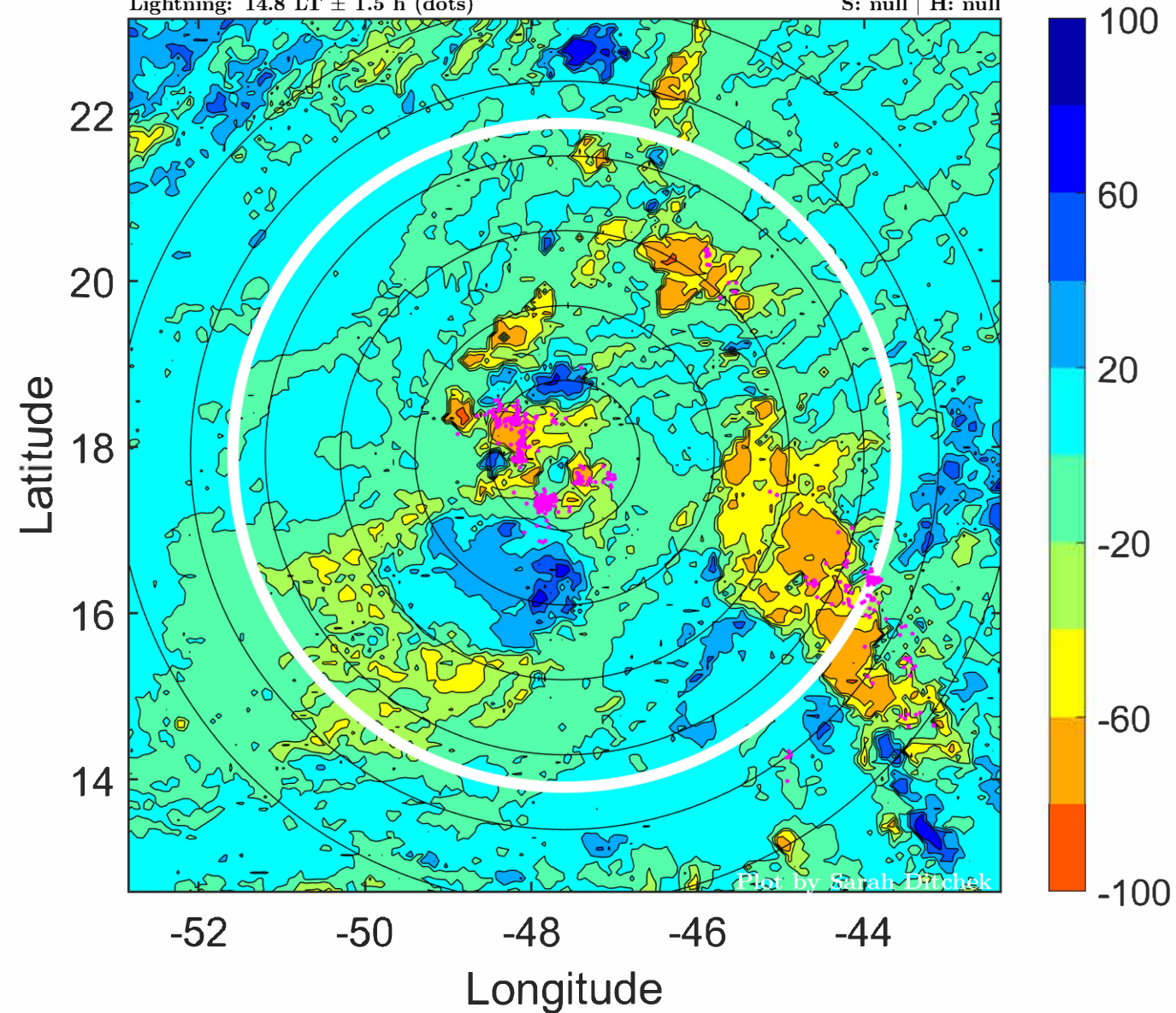
Δ t: 2023101518 (14.8 LT) - 2023101512 (8.9 LT)

Lightning: 14.8 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null



IR BT & Lightning

t: 2023101521 (17.8 LT)

Lightning: 17.8 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude

22

20

18

16

14

40

20

0

-20

-40

-60

-80

Plot by Sarah Ditchek

-52

-50

-48

-46

-44

Longitude

6-h IR BT Differences & Lightning

Δ t: 2023101521 (17.8 LT) - 2023101515 (11.9 LT)

Lightning: 17.8 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude

22

20

18

16

14

100

60

20

-20

-60

-100

Plot by Sarah Ditchek

-52

-50

-48

-46

-44

Longitude

IR BT & Lightning

t: 2023101600 (20.8 LT)

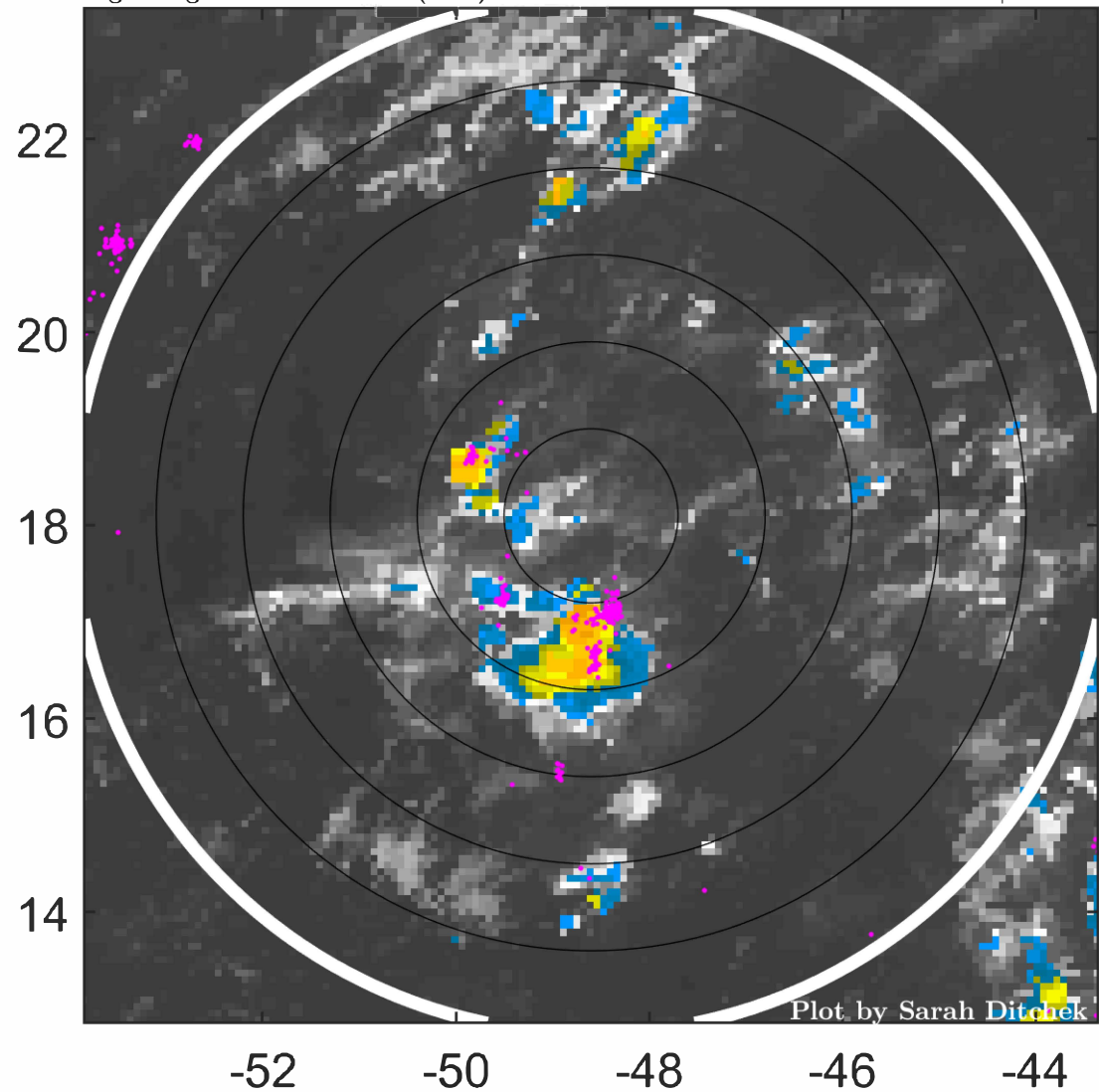
Lightning: 20.8 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude



Plot by Sarah Ditchek

40

20

0

-20

-40

-60

-80

6-h IR BT Differences & Lightning

Δ t: 2023101600 (20.8 LT) - 2023101518 (14.8 LT)

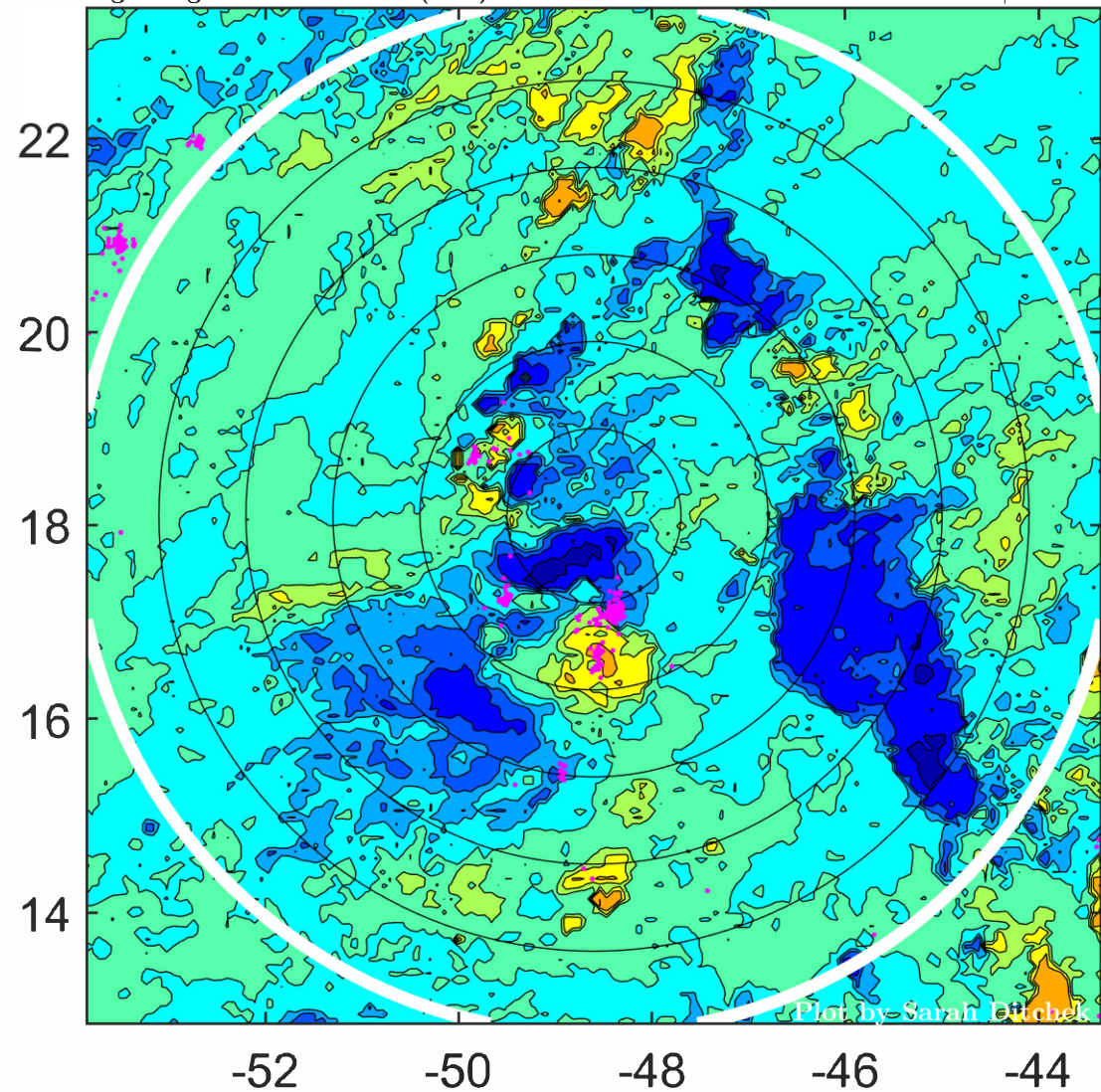
Lightning: 20.8 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude



Plot by Sarah Ditchek

100

60

20

-20

-60

-100

IR BT & Lightning

t: 2023101603 (23.7 LT)

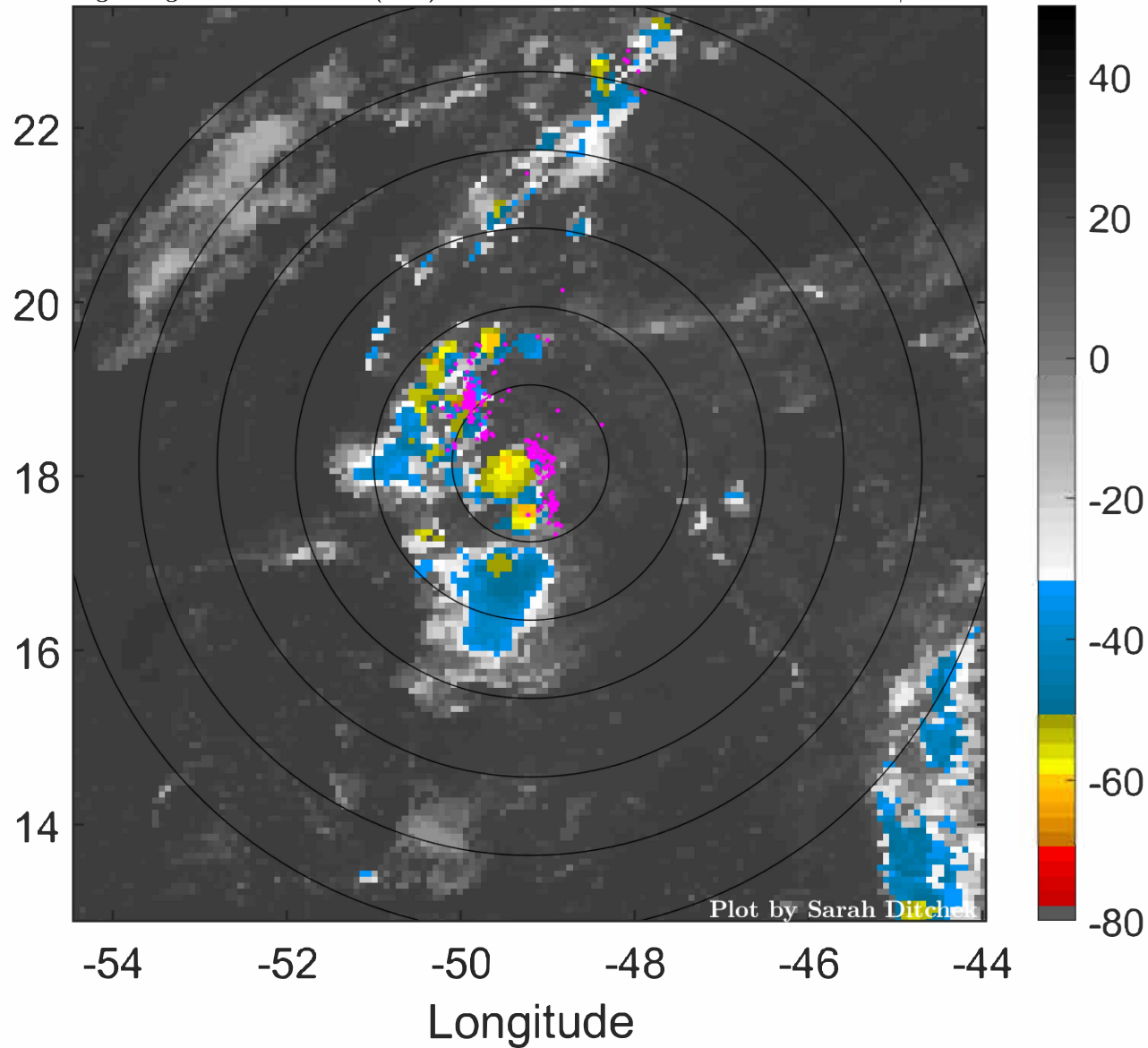
Lightning: 23.7 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude



6-h IR BT Differences & Lightning

Δ t: 2023101603 (23.7 LT) - 2023101521 (17.8 LT)

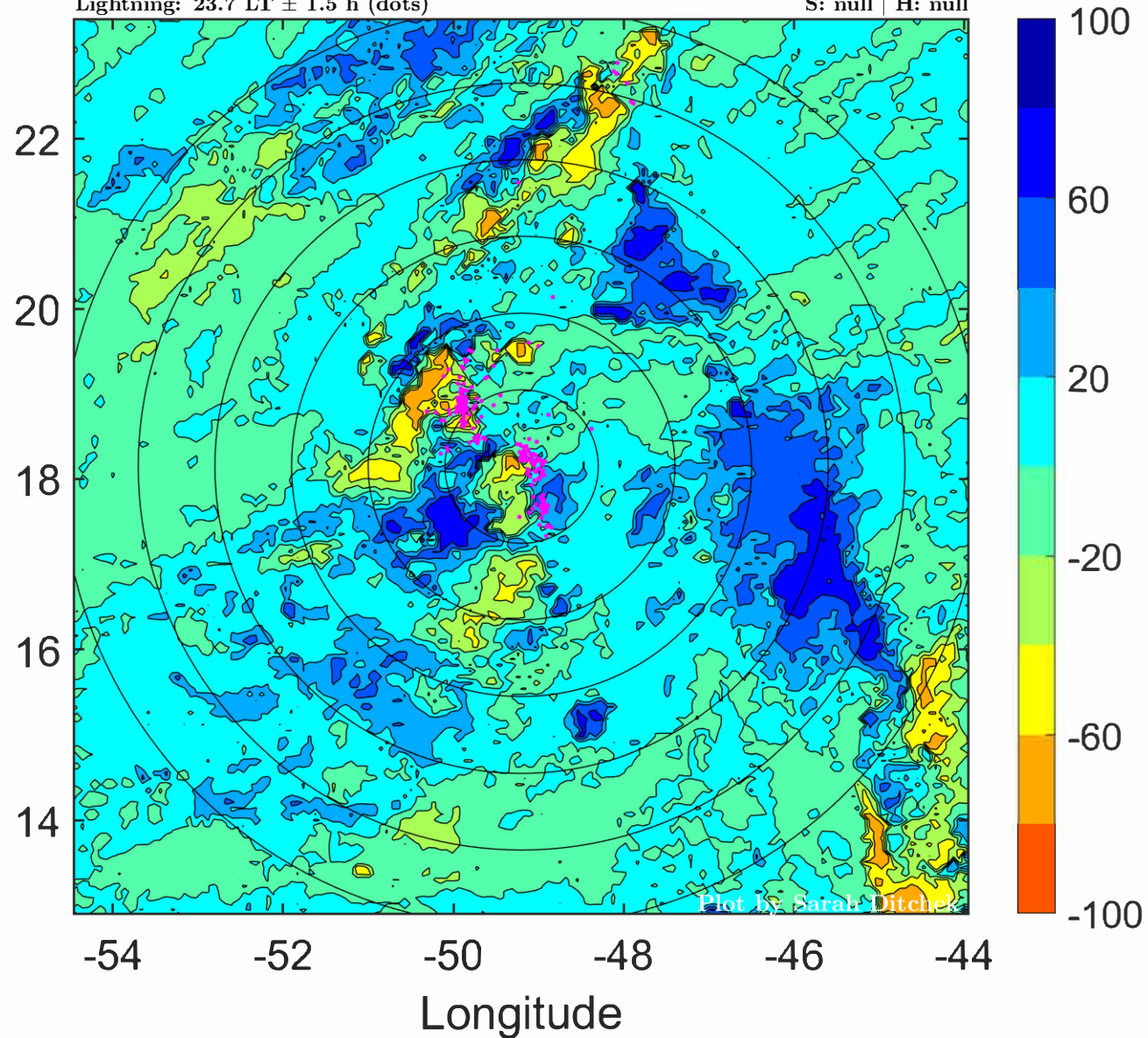
Lightning: 23.7 LT $\pm$ 1.5 h (dots)

PT: SLCP | EA: QUASI

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude



IR BT & Lightning

t: 2023101606 (2.7 LT)

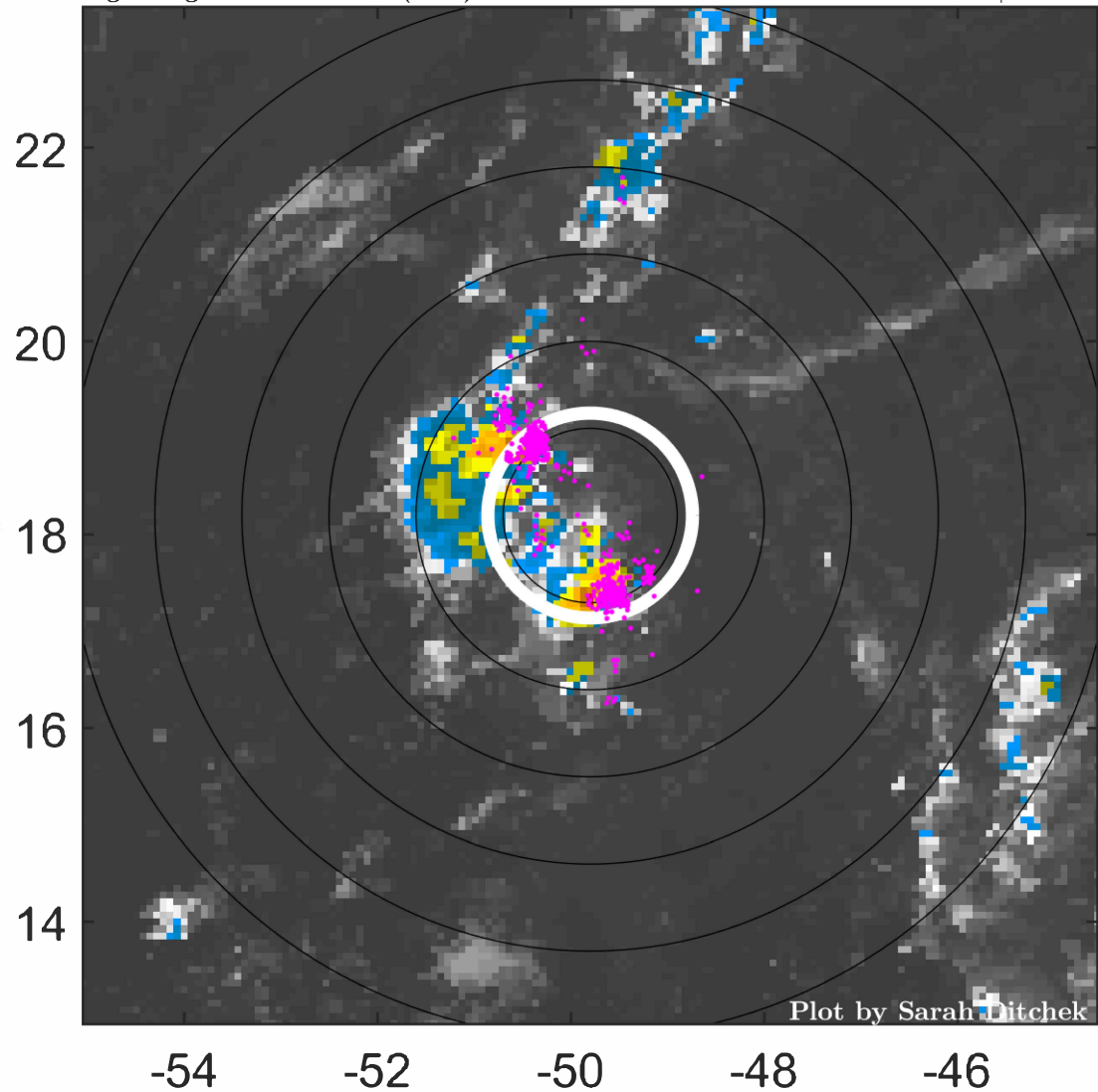
Lightning: 2.7 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 25 kt LO

S: null | H: null

Latitude



6-h IR BT Differences & Lightning

Δ t: 2023101606 (2.7 LT) - 2023101600 (20.8 LT)

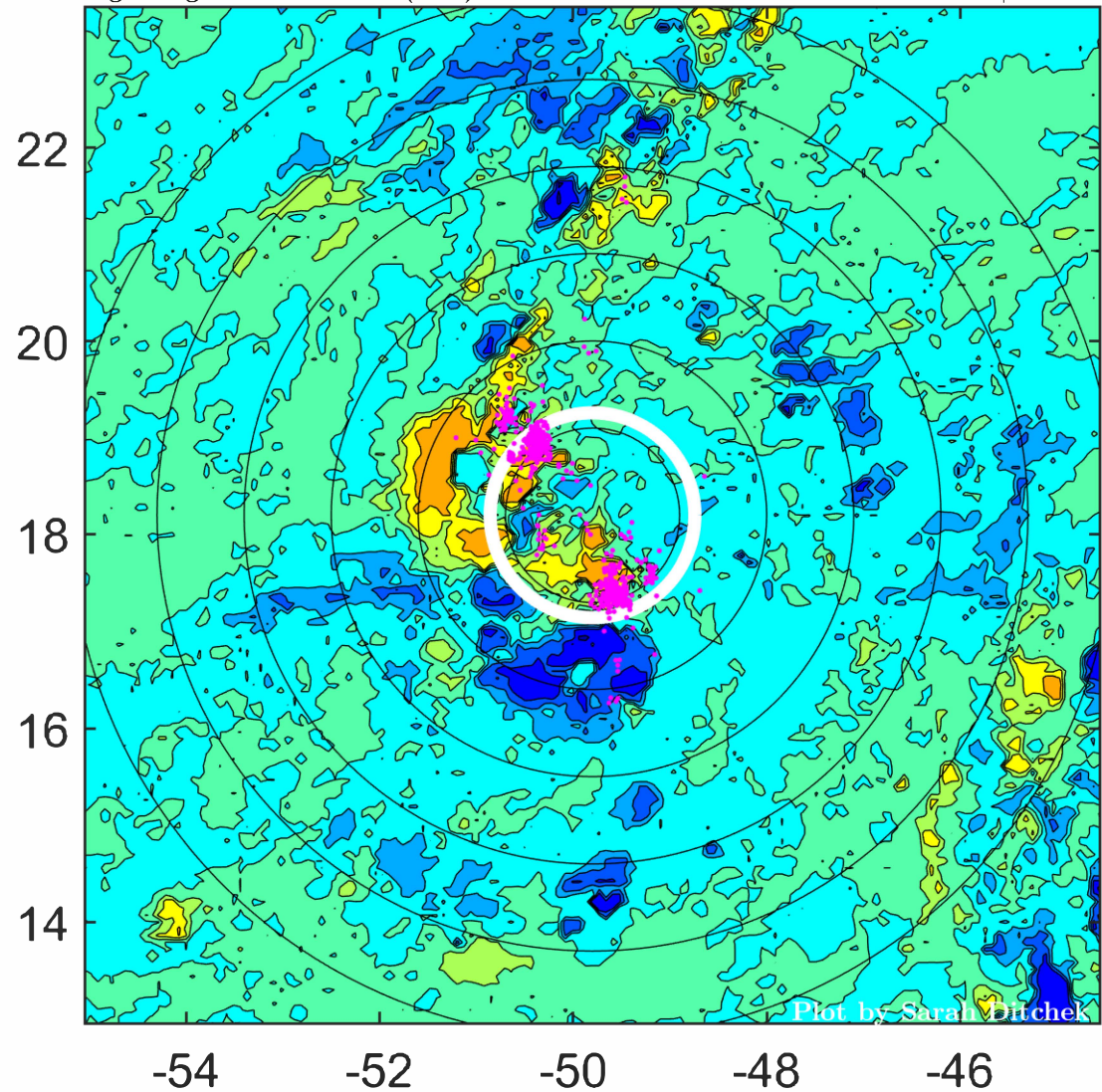
Lightning: 2.7 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

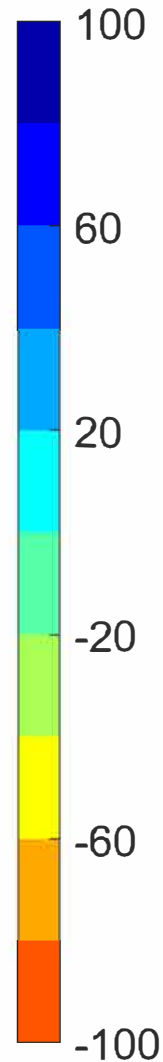
19L (SEAN) | 25 kt LO

S: null | H: null

Latitude



Longitude



IR BT & Lightning

t: 2023101609 (5.6 LT)

Lightning: 5.6 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 22.5 kt LO

S: null | H: null

Latitude

22

20

18

16

14

40

20

0

-20

-40

-60

-80

Plot by Sarah Ditchek

-54

-52

-50

-48

-46

Longitude

6-h IR BT Differences & Lightning

Δ t: 2023101609 (5.6 LT) - 2023101603 (23.7 LT)

Lightning: 5.6 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 22.5 kt LO

S: null | H: null

Latitude

22

20

18

16

14

100

60

20

-20

-60

-100

Plot by Sarah Ditchek

-54

-52

-50

-48

-46

Longitude

IR BT & Lightning

t: 2023101612 (8.6 LT)

Lightning: 8.6 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 20 kt LO

S: null | H: null

Latitude

22

20

18

16

14

-56 -54 -52 -50 -48 -46

Longitude

40

20

0

-20

-40

-60

-80

Plot by Sarah Ditchek

6-h IR BT Differences & Lightning

Δ t: 2023101612 (8.6 LT) - 2023101606 (2.7 LT)

Lightning: 8.6 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 20 kt LO

S: null | H: null

Latitude

22

20

18

16

14

-56 -54 -52 -50 -48 -46

Longitude

100

60

20

-20

-60

-100

Plot by Sarah Ditchek

IR BT & Lightning

t: 2023101615 (11.6 LT)

Lightning: 11.6 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 20 kt LO

S: null | H: null

Latitude

22

20

18

16

14

-56

-54

-52

-50

-48

Longitude

40

20

0

-20

-40

-60

-80

Plot by Sarah Ditchek

6-h IR BT Differences & Lightning

Δ t: 2023101615 (11.6 LT) - 2023101609 (5.6 LT)

Lightning: 11.6 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 20 kt LO

S: null | H: null

Latitude

22

20

18

16

14

-56

-54

-52

-50

-48

Longitude

100

60

20

-20

-60

-100

Plot by Sarah Ditchek

IR BT & Lightning

t: 2023101618 (14.5 LT)

Lightning: 14.5 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 20 kt LO

S: null | H: null

Latitude

22

20

18

16

14

40

20

0

-20

-40

-60

-80

Plot by Sarah Ditchek

-56

-54

-52

-50

-48

Longitude

6-h IR BT Differences & Lightning

Δ t: 2023101618 (14.5 LT) - 2023101612 (8.6 LT)

Lightning: 14.5 LT $\pm$ 1.5 h (dots)

PT: NP | EA: INACT

19L (SEAN) | 20 kt LO

S: null | H: null

Latitude

22

20

18

16

14

100

60

20

-20

-60

-100

Plot by Sarah Ditchek

-56

-54

-52

-50

-48

Longitude