

IR BT & Lightning

t: 2019082100 (20.2 LT)

Lightning: 20.2 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 9.9 m s⁻¹ (M) | H: 72°

Latitude

44

42

40

38

36

-62

-60

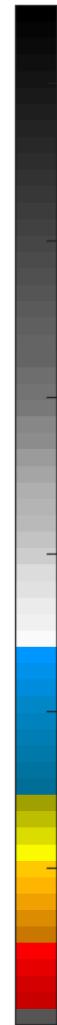
-58

-56

-54

-52

Longitude



40
20
0
-20
-40
-60
-80

6-h IR BT Differences & Lightning

Δt: 2019082100 (20.2 LT) - 2019082018 (14 LT)

Lightning: 20.2 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 9.9 m s⁻¹ (M) | H: 72°

Latitude

44

42

40

38

36

-62

-60

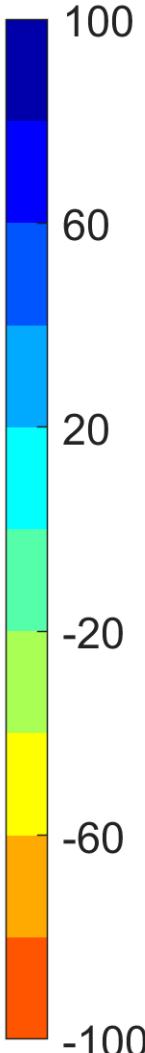
-58

-56

-54

-52

Longitude



100
60
20
-20
-60
-100

IR BT & Lightning

t: 2019082103 (23.3 LT)

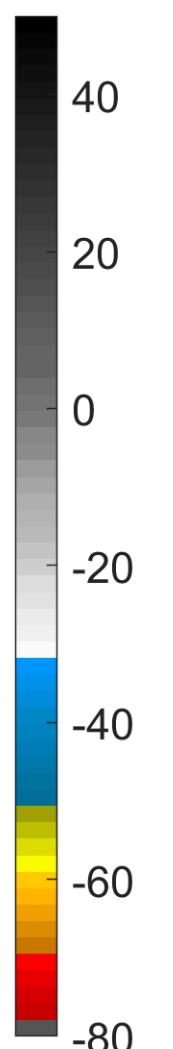
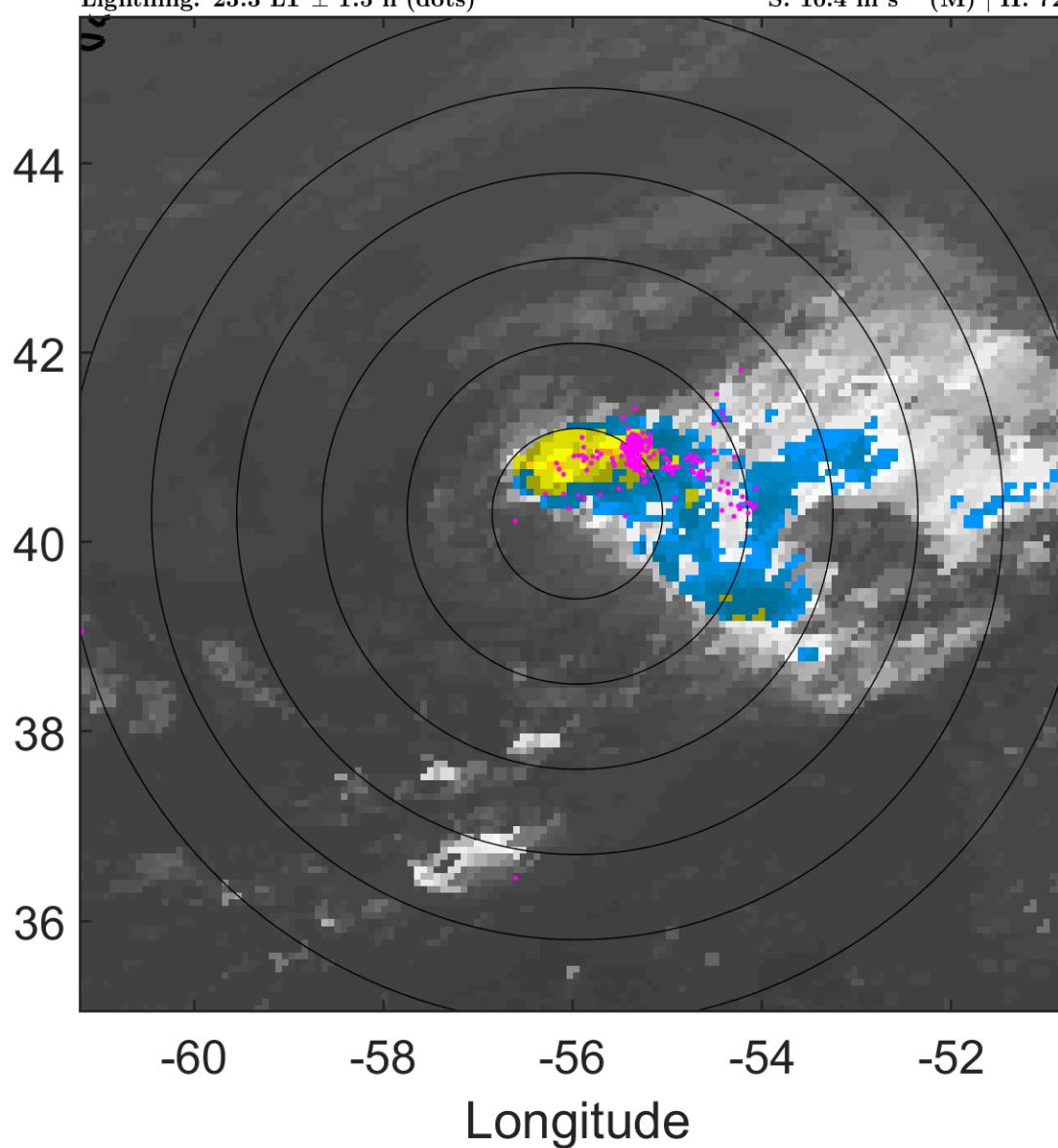
Lightning: 23.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 10.4 m s^{-1} (M) | H: 72°

Latitude



6-h IR BT Differences & Lightning

Δt: 2019082103 (23.3 LT) - 2019082021 (17.1 LT)

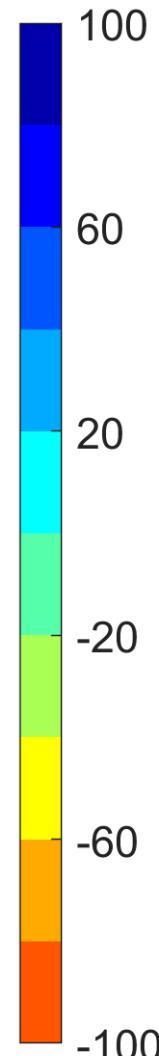
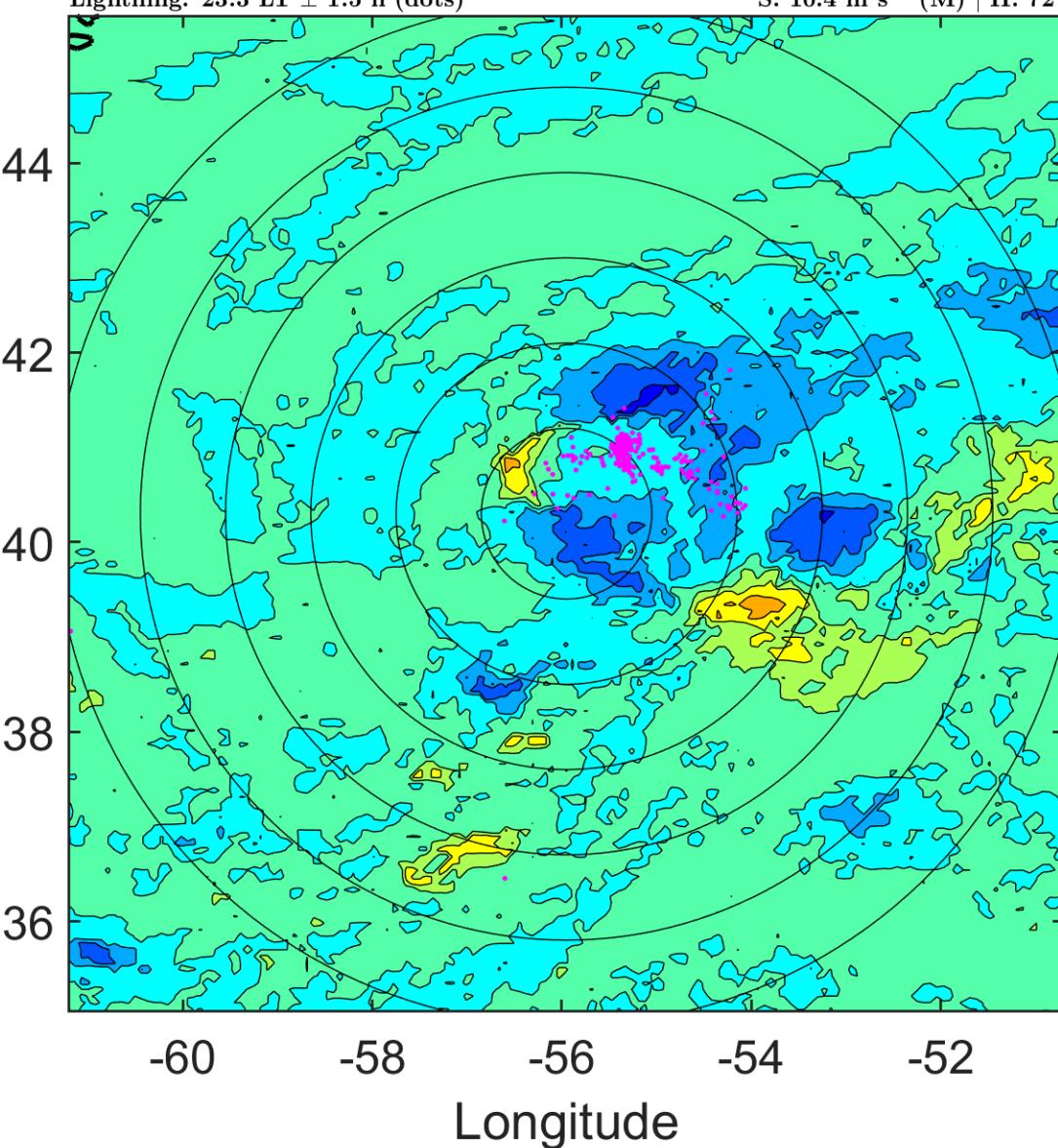
Lightning: 23.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 10.4 m s^{-1} (M) | H: 72°

Latitude



IR BT & Lightning

t: 2019082106 (2.3 LT)

Lightning: 2.3 LT \pm 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 11 m s⁻¹ (H) | H: 72°

Latitude

44

42

40

38

36

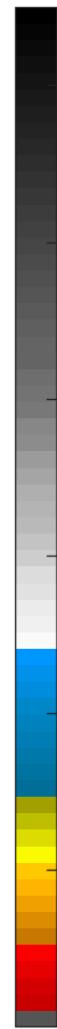
-60

-58

-56 -54

-52 -50

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082106 (2.3 LT) - 2019082100 (20.2 LT)

Lightning: 2.3 LT \pm 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 11 m s⁻¹ (H) | H: 72°

Latitude

44

42

40

38

36

-60

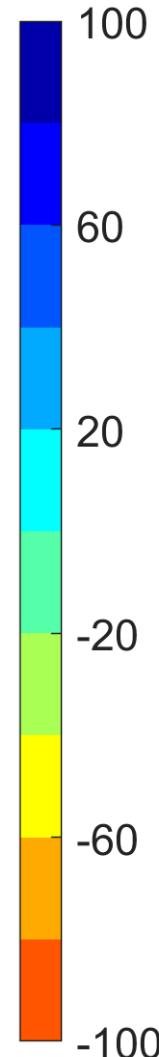
-58

-56 -54

-52

-50

Longitude



IR BT & Lightning

t: 2019082109 (5.4 LT)

Lightning: 5.4 LT \pm 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 10.6 m s^{-1} (M) | H: 68°

Latitude

44

42

40

38

36

-58

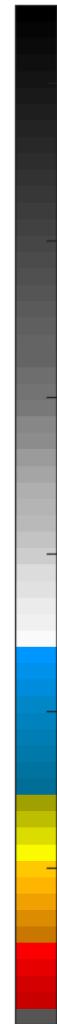
-56

-54

-52

-50

Longitude



6-h IR BT Differences & Lightning

Δt : 2019082109 (5.4 LT) - 2019082103 (23.3 LT)

Lightning: 5.4 LT \pm 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 10.6 m s^{-1} (M) | H: 68°

Latitude

44

42

40

38

36

-58

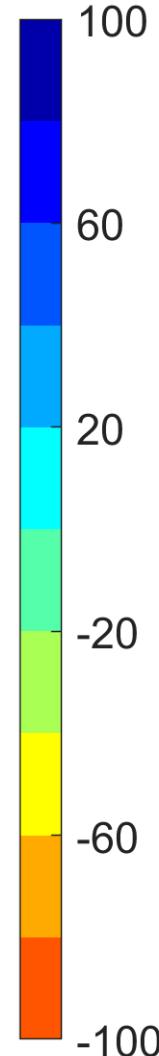
-56

-54

-52

-50

Longitude



IR BT & Lightning

t: 2019082112 (8.5 LT)

Lightning: 8.5 LT ± 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 10.2 m s^{-1} (M) | H: 64°

Latitude

44

42

40

38

36

-56

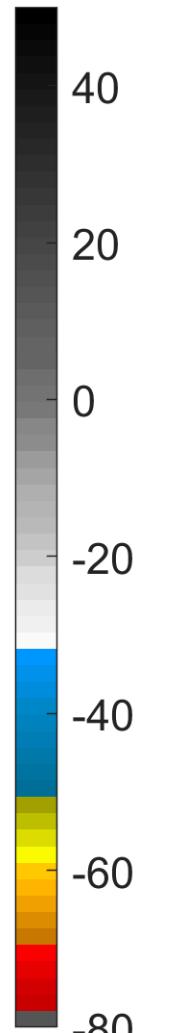
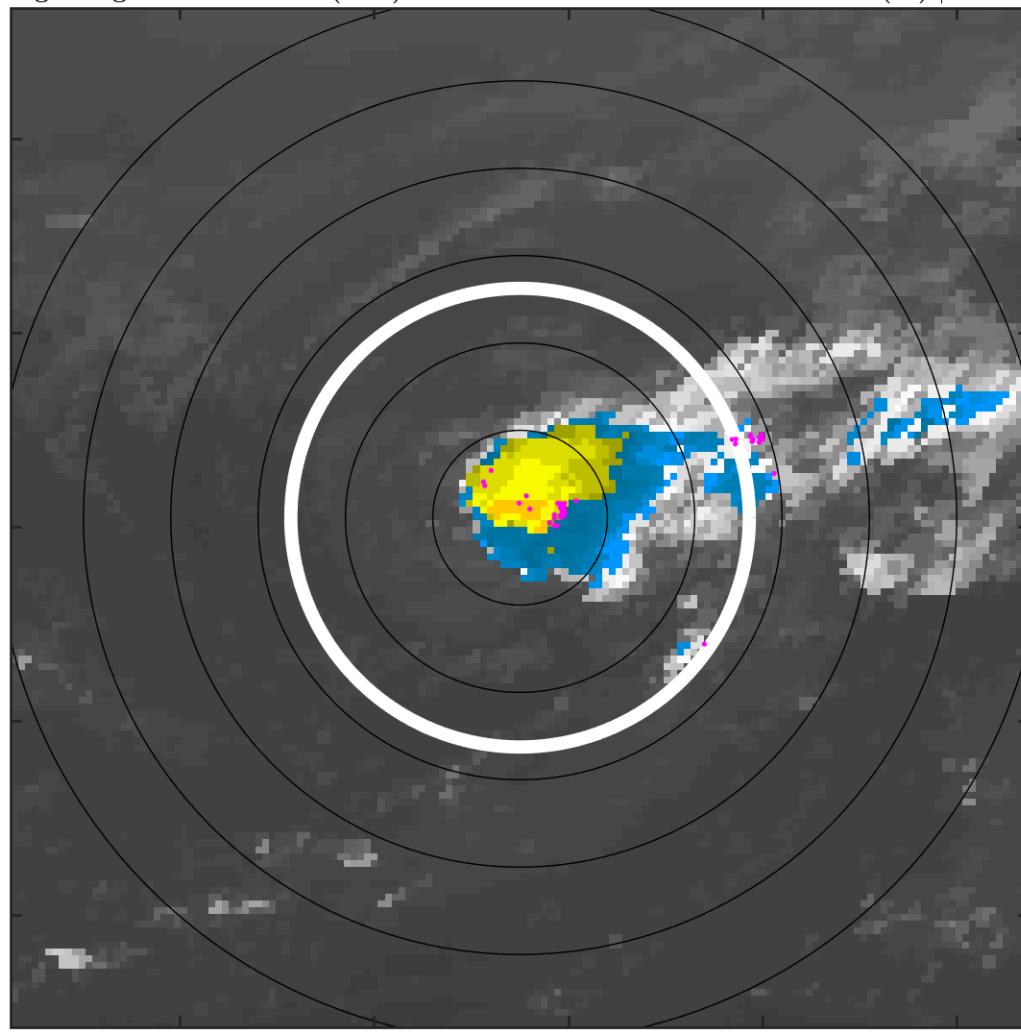
-54

-52

-50

-48

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082112 (8.5 LT) - 2019082106 (2.3 LT)

Lightning: 8.5 LT ± 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 10.2 m s^{-1} (M) | H: 64°

Latitude

44

42

40

38

36

-56

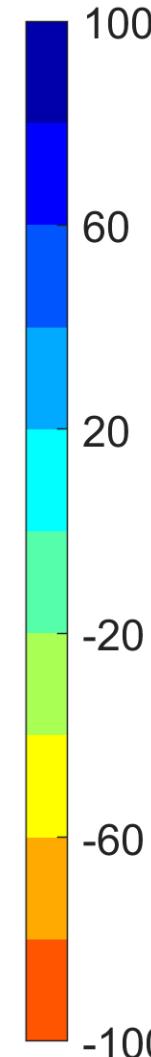
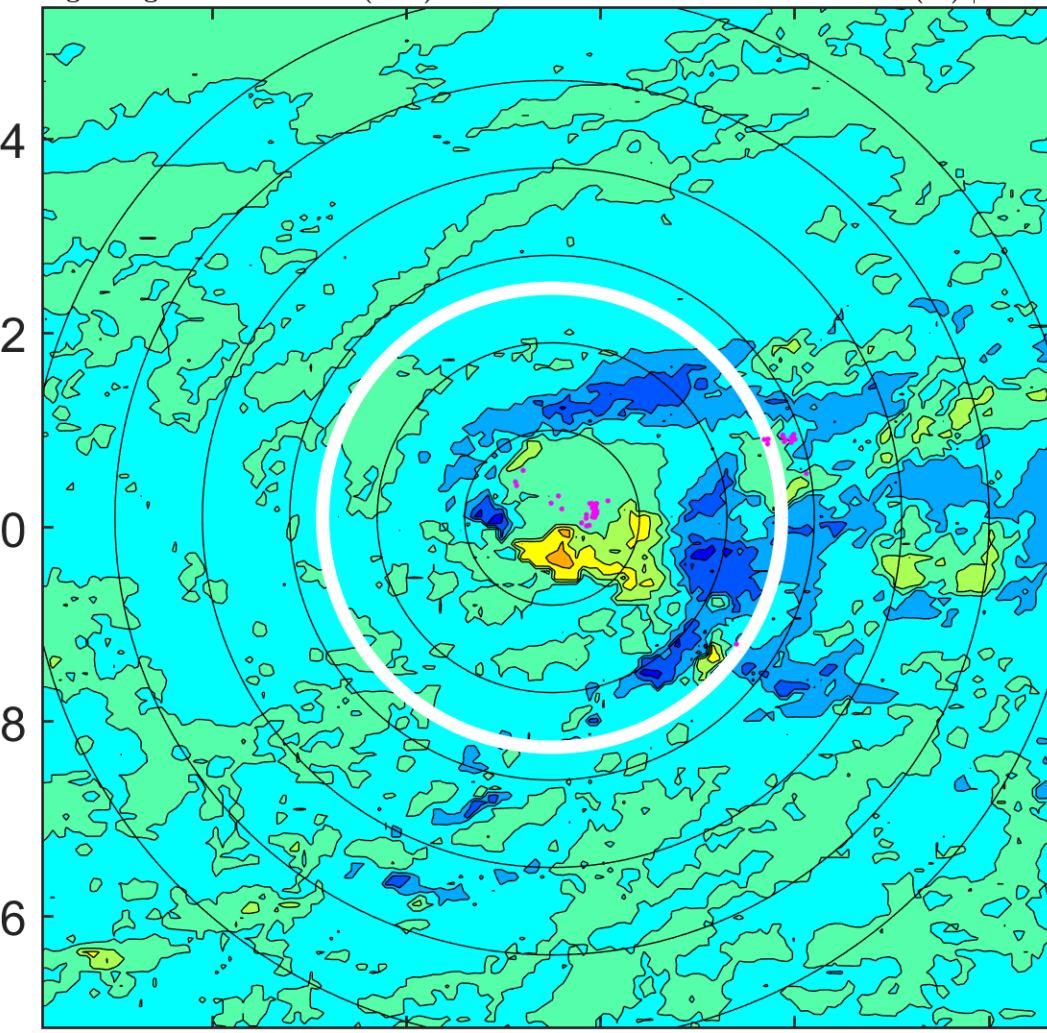
-54

-52

-50

-48

Longitude



IR BT & Lightning

t: 2019082115 (11.6 LT)

Lightning: 11.6 LT ± 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 10.4 m s^{-1} (M) | H: 60.5°

Latitude

44

42

40

38

36

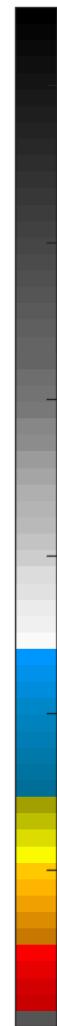
-56

-54

-52 -50

-48

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082115 (11.6 LT) - 2019082109 (5.4 LT)

Lightning: 11.6 LT ± 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 10.4 m s^{-1} (M) | H: 60.5°

Latitude

44

42

40

38

36

-56

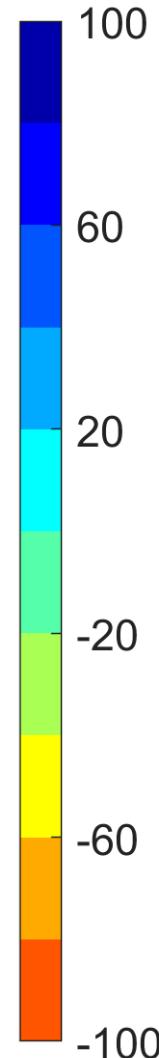
-54

-52

-50

-48

Longitude



IR BT & Lightning

t: 2019082118 (14.6 LT)

Lightning: 14.6 LT ± 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 10.5 m s^{-1} (M) | H: 57°

Latitude

44

42

40

38

36

-54

-52

Longitude



40

20

0

-20

-40

-60

-80

6-h IR BT Differences & Lightning

Δt: 2019082118 (14.6 LT) - 2019082112 (8.5 LT)

Lightning: 14.6 LT ± 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 35 kt TS

S: 10.5 m s^{-1} (M) | H: 57°

Latitude

44

42

40

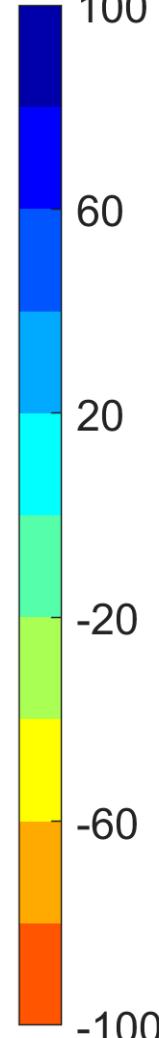
38

36

-54

-52

Longitude



IR BT & Lightning

t: 2019082121 (17.7 LT)

Lightning: 17.7 LT \pm 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 32.5 kt TD

S: 10.4 m s⁻¹ (M) | H: 65°

Latitude

44

42

40

38

36

-54

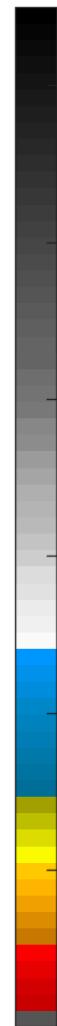
-52

-50

-48

-46

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082121 (17.7 LT) - 2019082115 (11.6 LT)

Lightning: 17.7 LT \pm 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 32.5 kt TD

S: 10.4 m s⁻¹ (M) | H: 65°

Latitude

44

42

40

38

36

-54

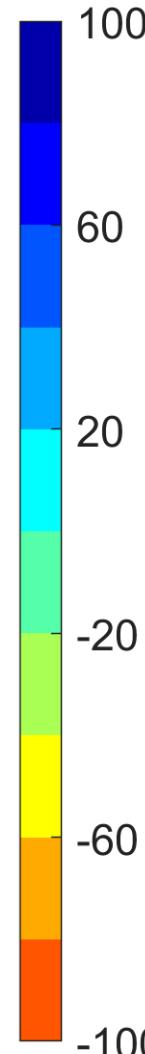
-52

-50

-48

-46

Longitude



IR BT & Lightning

t: 2019082200 (20.8 LT)

Lightning: 20.8 LT ± 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 30 kt TD

S: 10.4 m s^{-1} (M) | H: 73°

Latitude

44

42

40

38

36

-52

-50

Longitude



40

20

0

-20

-40

-60

-80

6-h IR BT Differences & Lightning

Δt: 2019082200 (20.8 LT) - 2019082118 (14.6 LT)

Lightning: 20.8 LT ± 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 30 kt TD

S: 10.4 m s^{-1} (M) | H: 73°

Latitude

44

42

40

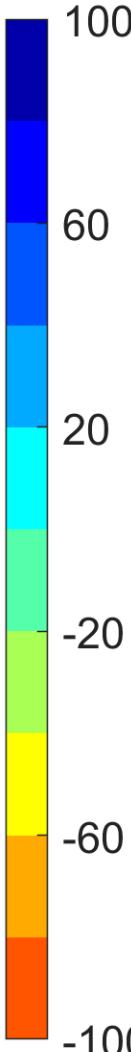
38

36

-52

-50

Longitude



IR BT & Lightning

t: 2019082203 (23.8 LT)

Lightning: 23.8 LT ± 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 30 kt TD

S: 9 m s⁻¹ (M) | H: 72.5°

Latitude

44

42

40

38

36

-52

-50

-48

-46

-44

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082203 (23.8 LT) - 2019082121 (17.7 LT)

Lightning: 23.8 LT ± 1.5 h (dots)

PT: SLWP | EA: INACT

04L (CHANTAL) | 30 kt TD

S: 9 m s⁻¹ (M) | H: 72.5°

Latitude

44

42

40

38

36

-52

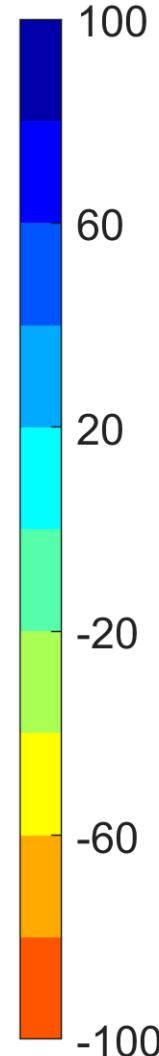
-50

-48

-46

-44

Longitude

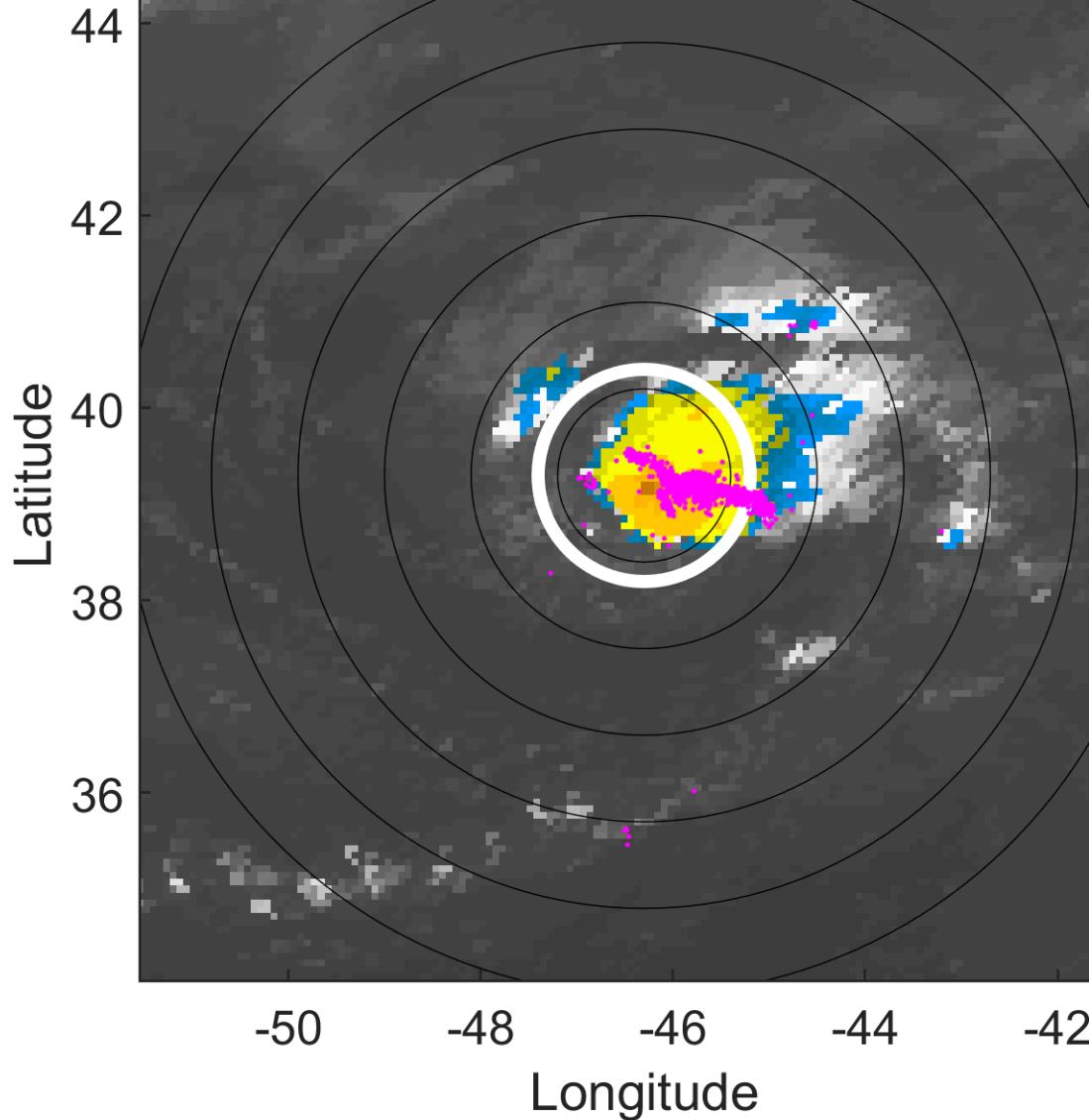


IR BT & Lightning

t: 2019082206 (2.9 LT)

Lightning: 2.9 LT \pm 1.5 h (dots)

PT: SLCP | EA: QUASI
04L (CHANTAL) | 30 kt TD
S: 7.7 m s⁻¹ (M) | H: 72°

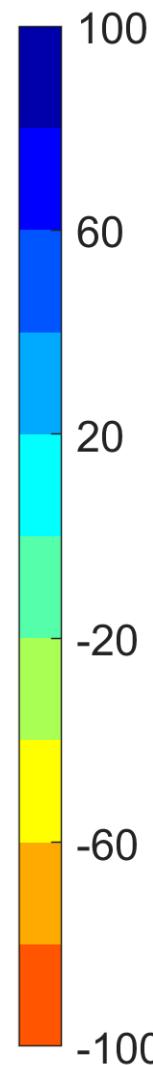
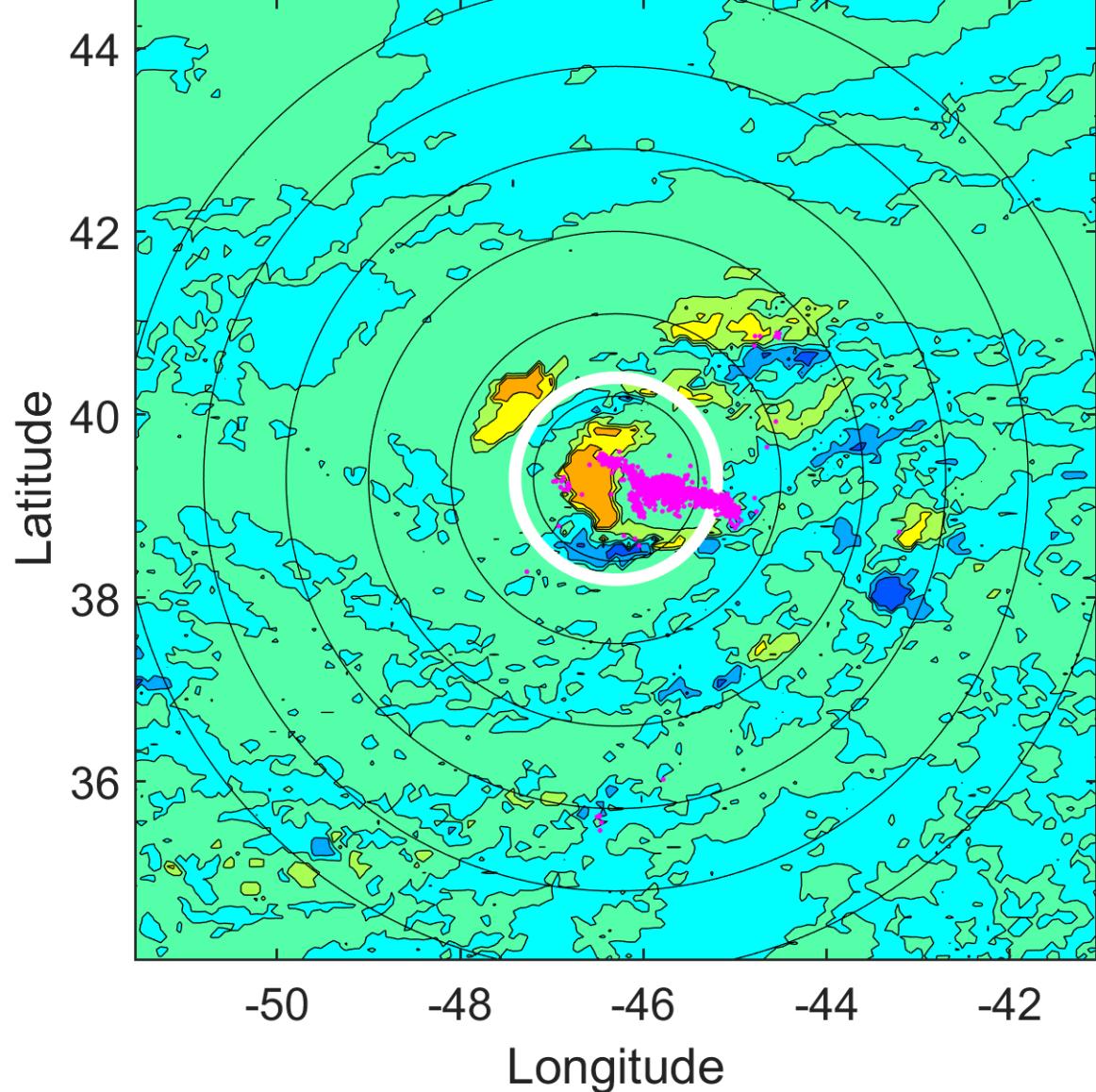


6-h IR BT Differences & Lightning

Δt : 2019082206 (2.9 LT) - 2019082200 (20.8 LT)

Lightning: 2.9 LT \pm 1.5 h (dots)

PT: SLCP | EA: QUASI
04L (CHANTAL) | 30 kt TD
S: 7.7 m s⁻¹ (M) | H: 72°



IR BT & Lightning

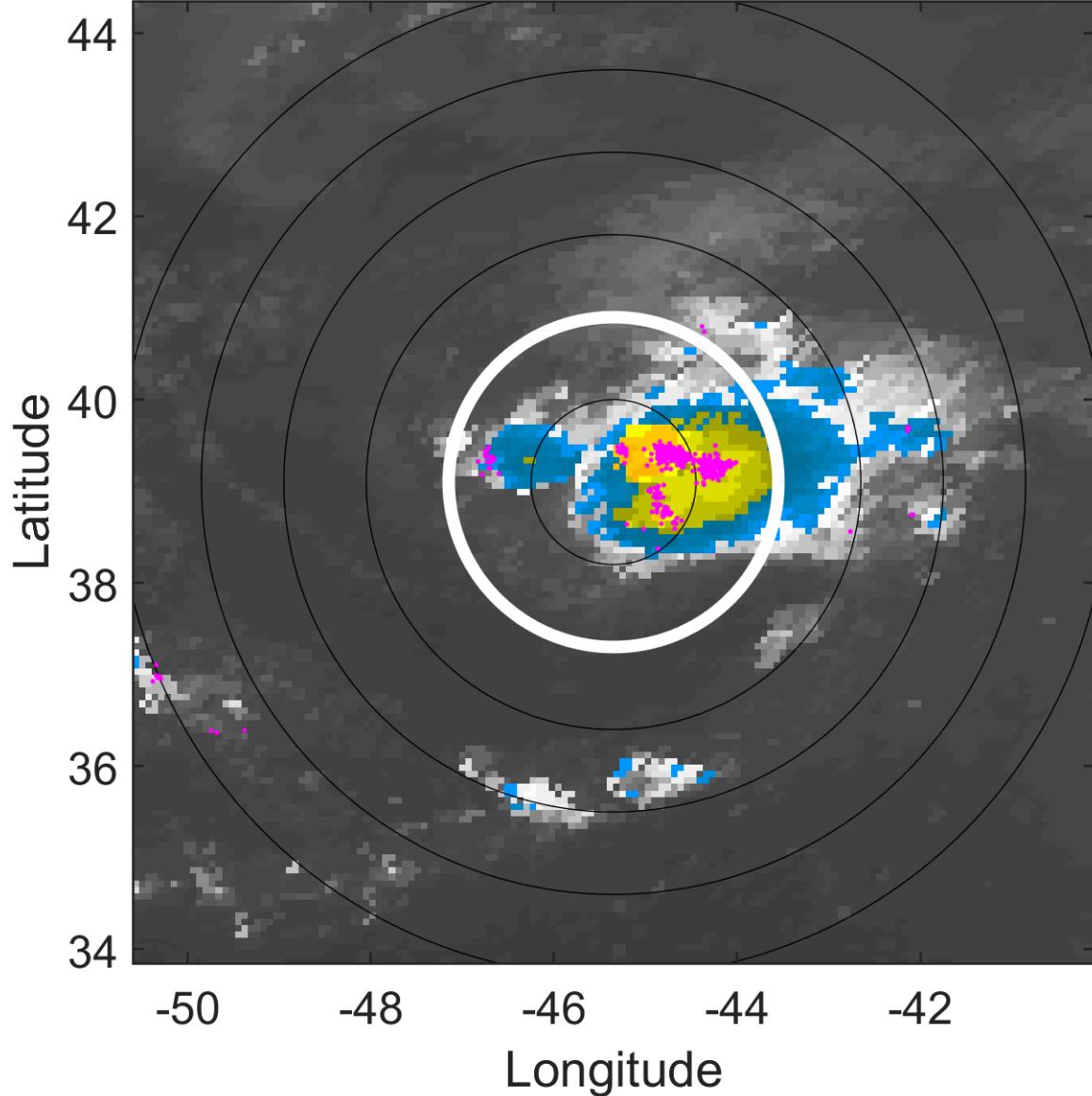
t: 2019082209 (6 LT)

Lightning: 6 LT ± 1.5 h (dots)

PT: SLCP | EA: QUASI

04L (CHANTAL) | 30 kt TD

S: 7.5 m s^{-1} (M) | H: 68.5°



6-h IR BT Differences & Lightning

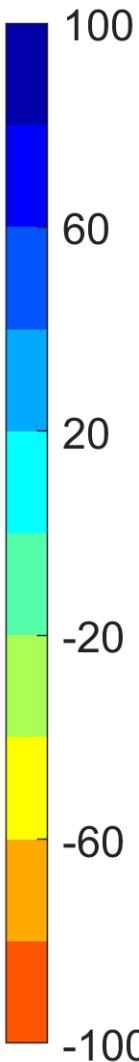
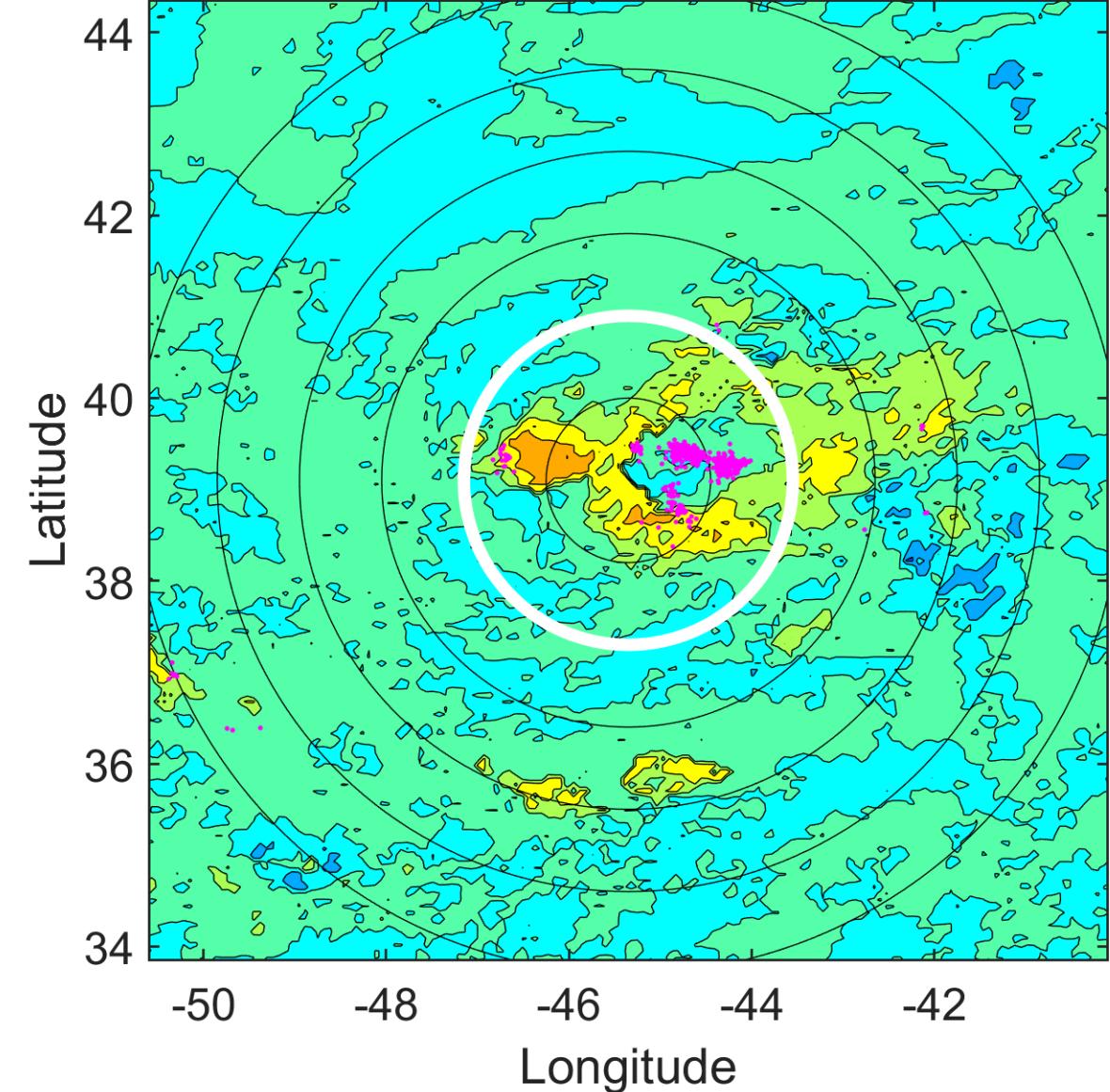
Δt: 2019082209 (6 LT) - 2019082203 (23.8 LT)

Lightning: 6 LT ± 1.5 h (dots)

PT: SLCP | EA: QUASI

04L (CHANTAL) | 30 kt TD

S: 7.5 m s^{-1} (M) | H: 68.5°

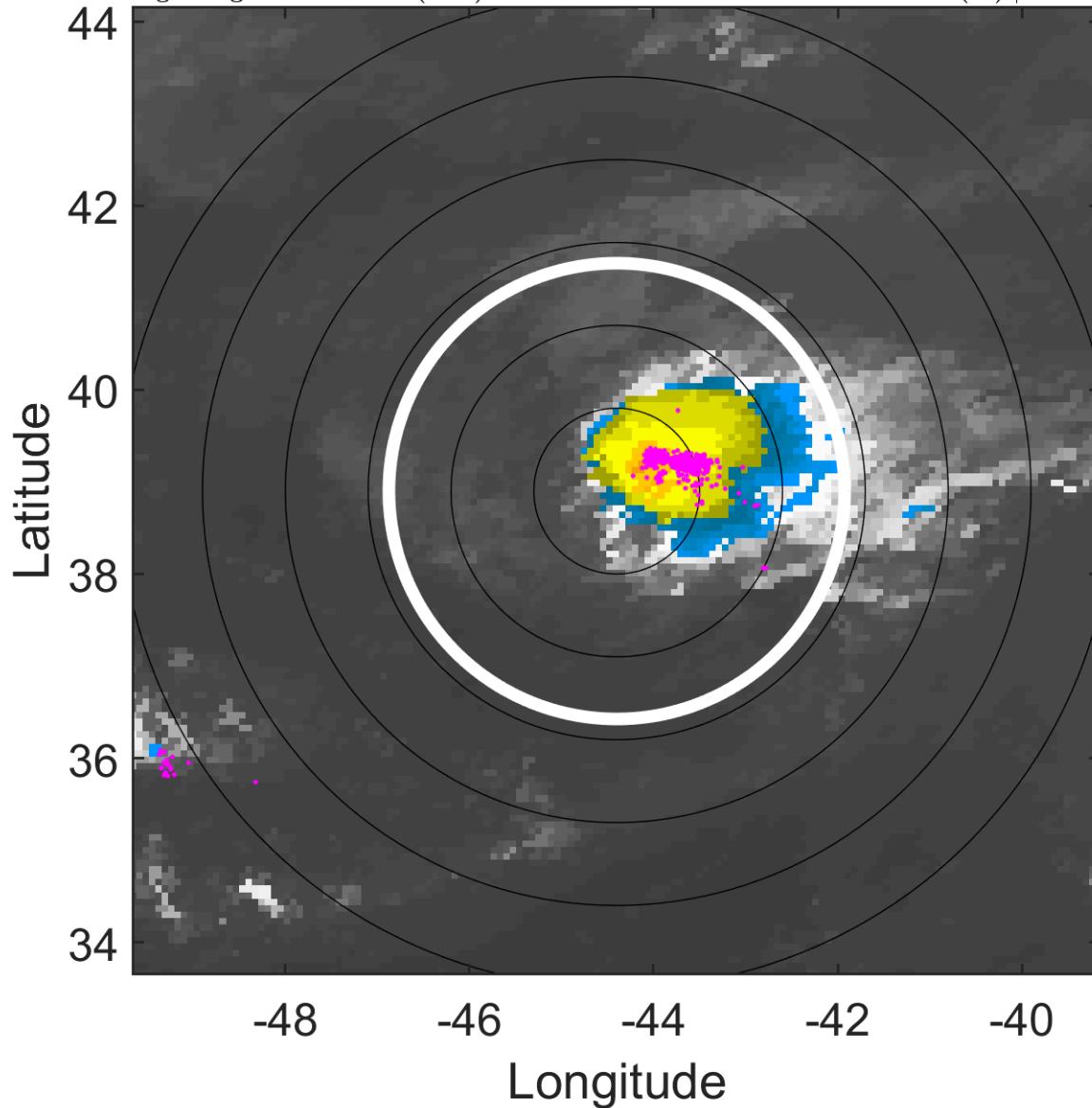


IR BT & Lightning

t: 2019082212 (9 LT)

Lightning: 9 LT \pm 1.5 h (dots)

PT: SLCP | EA: QUASI
04L (CHANTAL) | 30 kt TD
S: 7.3 m s^{-1} (M) | H: 65°

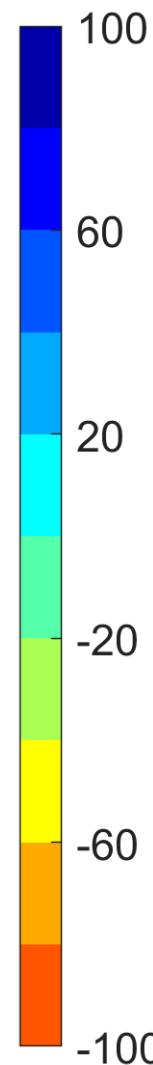
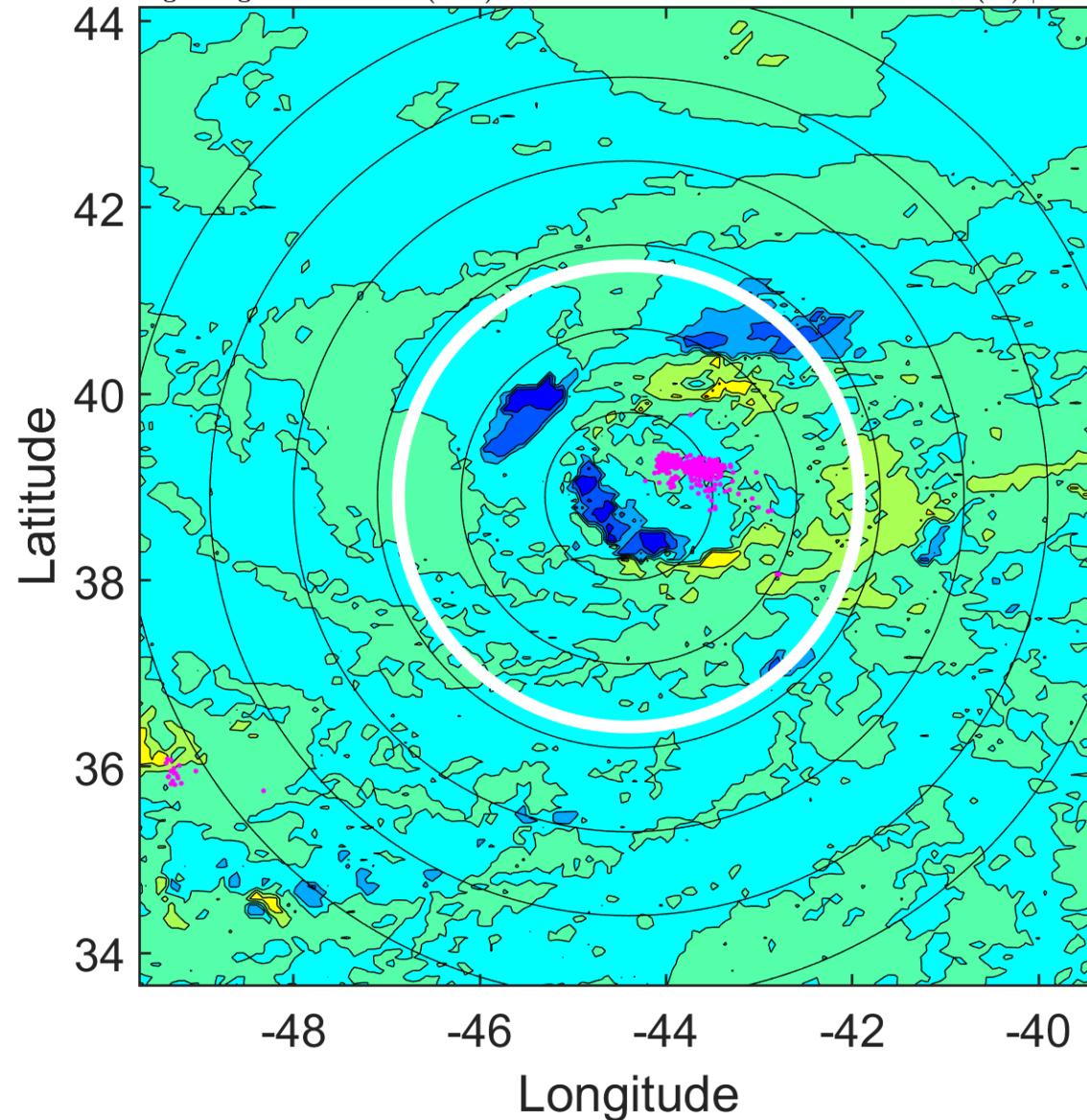


6-h IR BT Differences & Lightning

Δt : 2019082212 (9 LT) - 2019082206 (2.9 LT)

Lightning: 9 LT \pm 1.5 h (dots)

PT: SLCP | EA: QUASI
04L (CHANTAL) | 30 kt TD
S: 7.3 m s^{-1} (M) | H: 65°



IR BT & Lightning

t: 2019082215 (12.1 LT)

Lightning: 12.1 LT \pm 1.5 h (dots)

PT: SLCP | EA: QUASI

04L (CHANTAL) | 30 kt TD

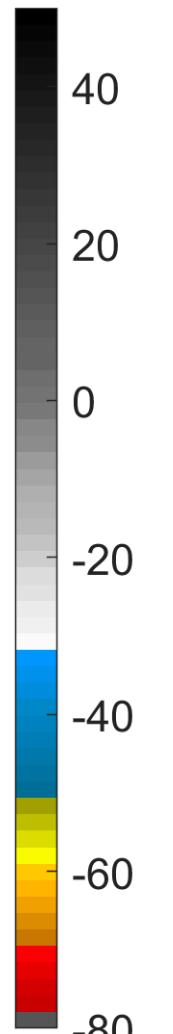
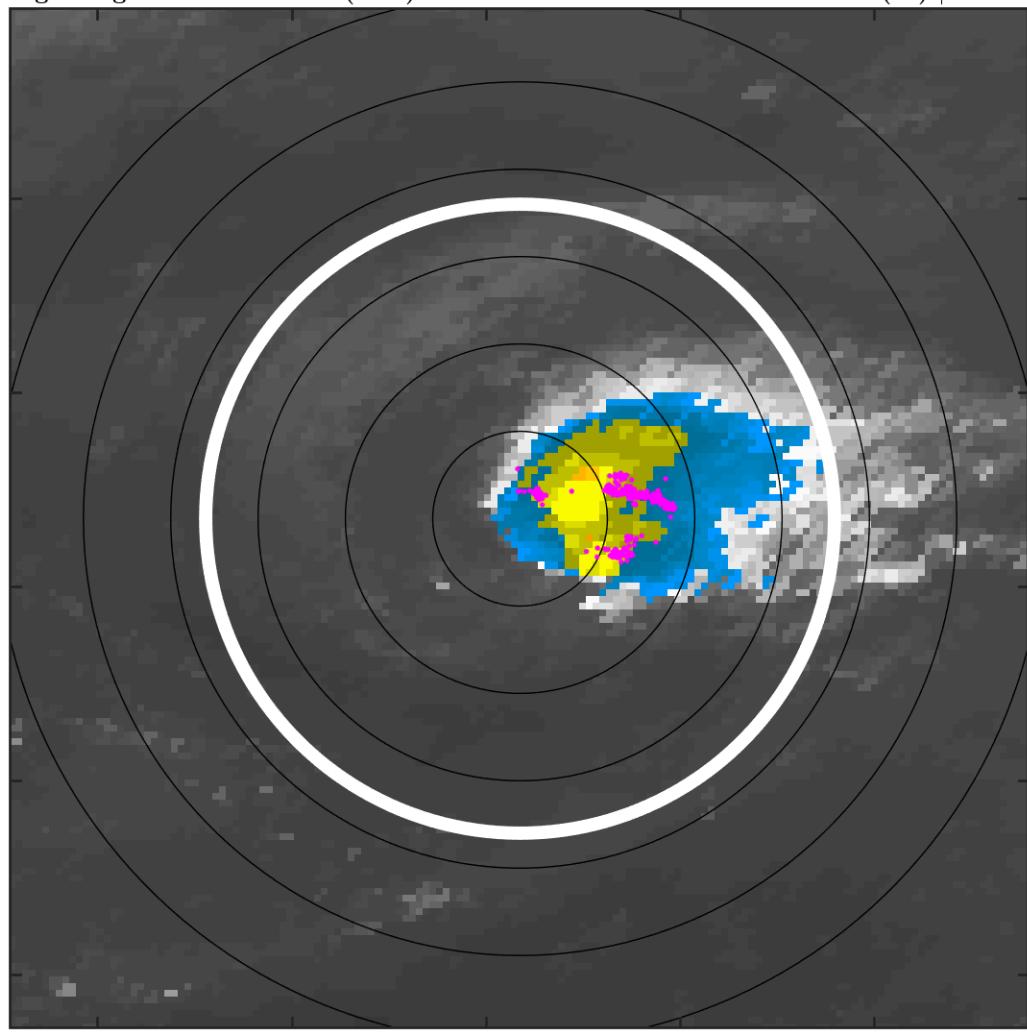
S: 8 m s⁻¹ (M) | H: 67°

Latitude

42
40
38
36
34

-48 -46 -44 -42 -40

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082215 (12.1 LT) - 2019082209 (6 LT)

Lightning: 12.1 LT \pm 1.5 h (dots)

PT: SLCP | EA: QUASI

04L (CHANTAL) | 30 kt TD

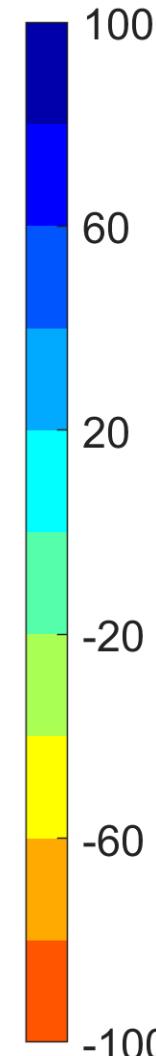
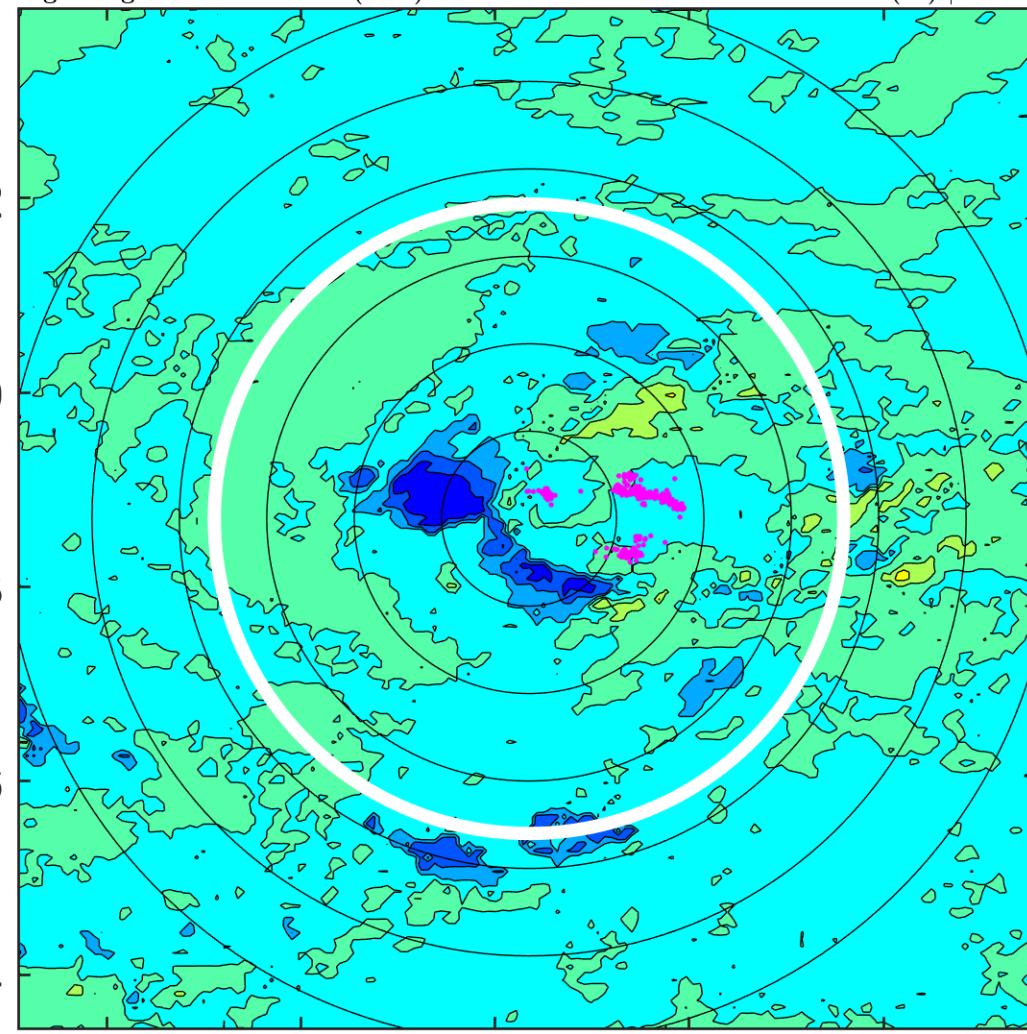
S: 8 m s⁻¹ (M) | H: 67°

Latitude

42
40
38
36
34

-48 -46 -44 -42 -40

Longitude



IR BT & Lightning

t: 2019082218 (15.1 LT)

Lightning: 15.1 LT ± 1.5 h (dots)

PT: SLCP | EA: QUASI

04L (CHANTAL) | 30 kt TD

S: 8.7 m s^{-1} (M) | H: 69°

Latitude

42

40

38

36

34

-48

-46

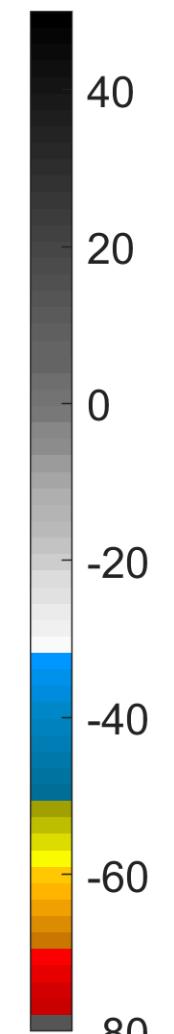
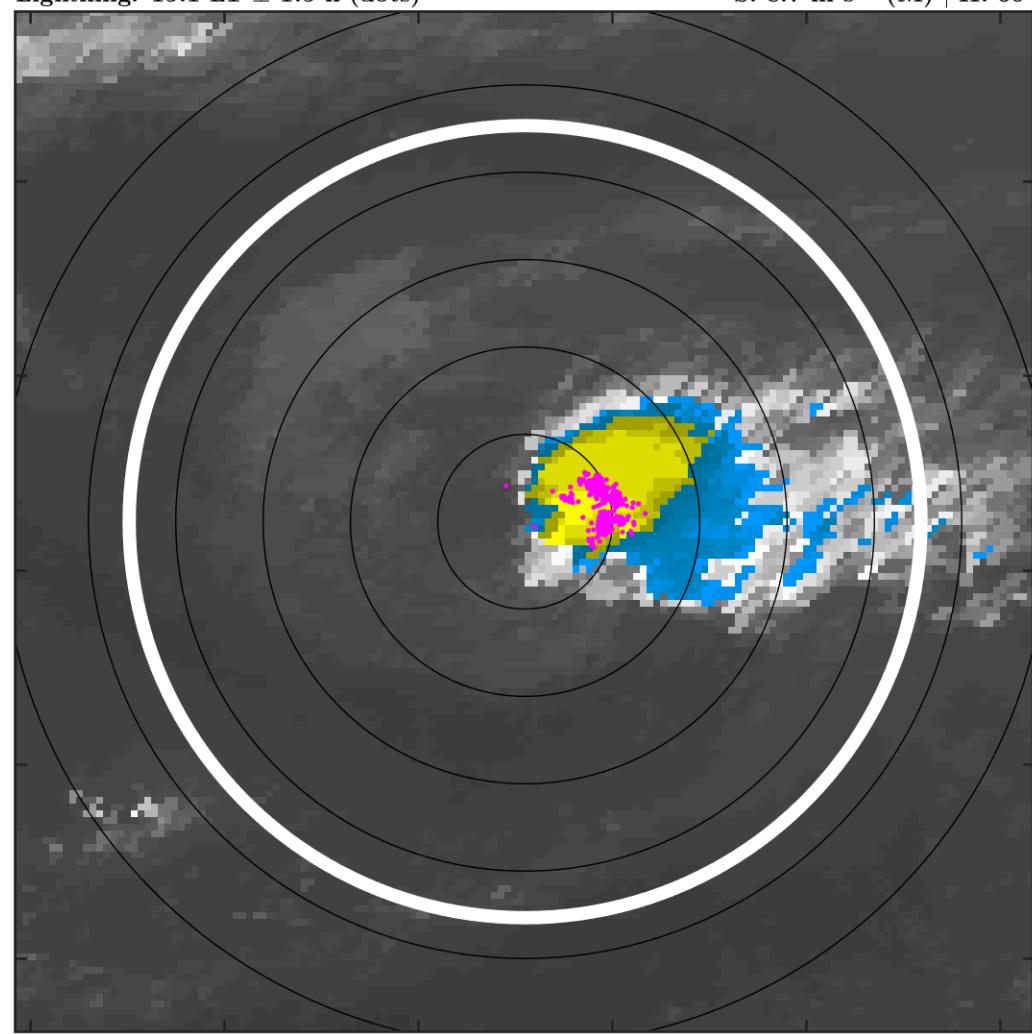
-44

-42

-40

-38

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082218 (15.1 LT) - 2019082212 (9 LT)

Lightning: 15.1 LT ± 1.5 h (dots)

PT: SLCP | EA: QUASI

04L (CHANTAL) | 30 kt TD

S: 8.7 m s^{-1} (M) | H: 69°

Latitude

42

40

38

36

34

-48

-46

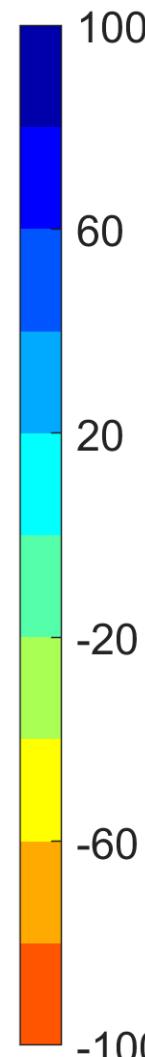
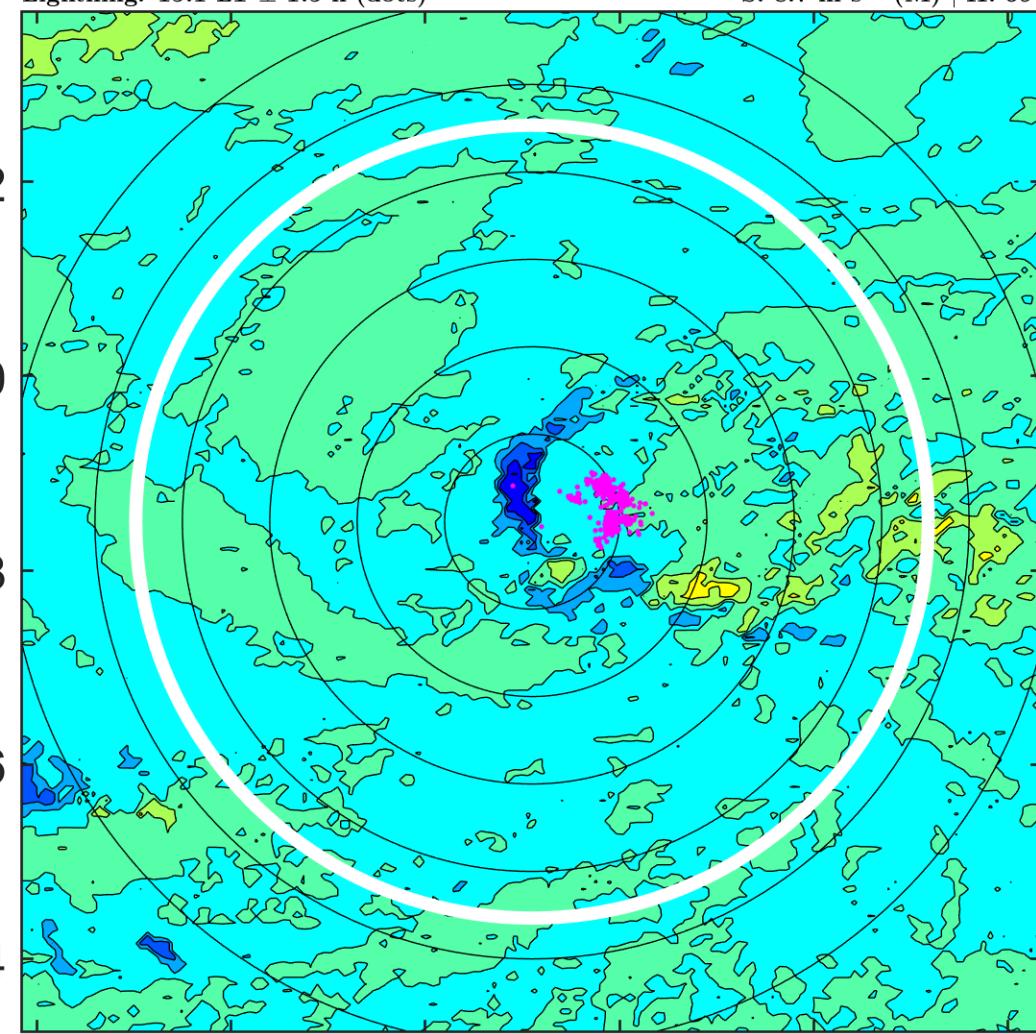
-44

-42

-40

-38

Longitude



IR BT & Lightning

t: 2019082221 (18.2 LT)

Lightning: 18.2 LT \pm 1.5 h (dots)

PT: SLCP | EA: QUASI
04L (CHANTAL) | 30 kt TD
S: 8 m s⁻¹ (M) | H: 84°

Latitude

42

40

38

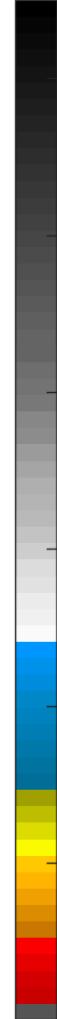
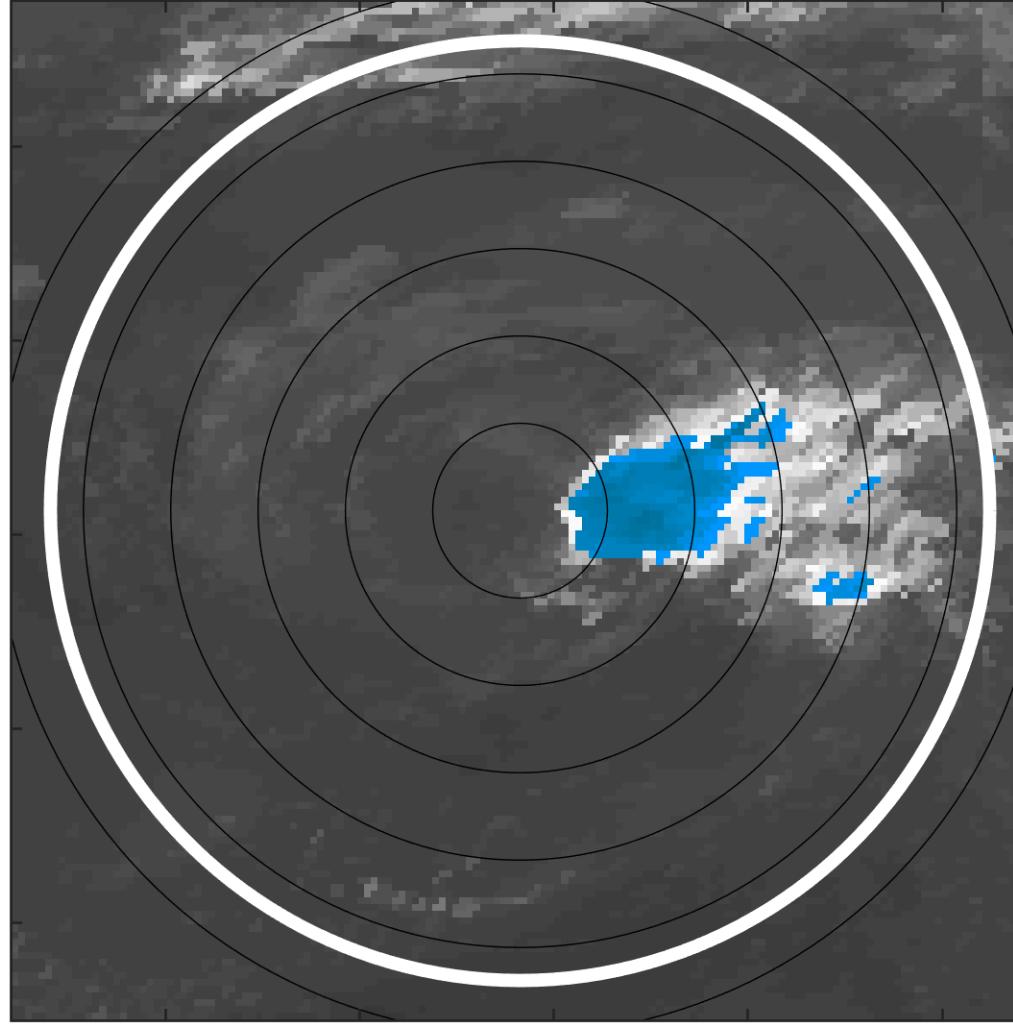
36

34

-46

-44

-42
Longitude



6-h IR BT Differences & Lightning

Δt : 2019082221 (18.2 LT) - 2019082215 (12.1 LT)

Lightning: 18.2 LT \pm 1.5 h (dots)

PT: SLCP | EA: QUASI
04L (CHANTAL) | 30 kt TD
S: 8 m s⁻¹ (M) | H: 84°

Latitude

42

40

38

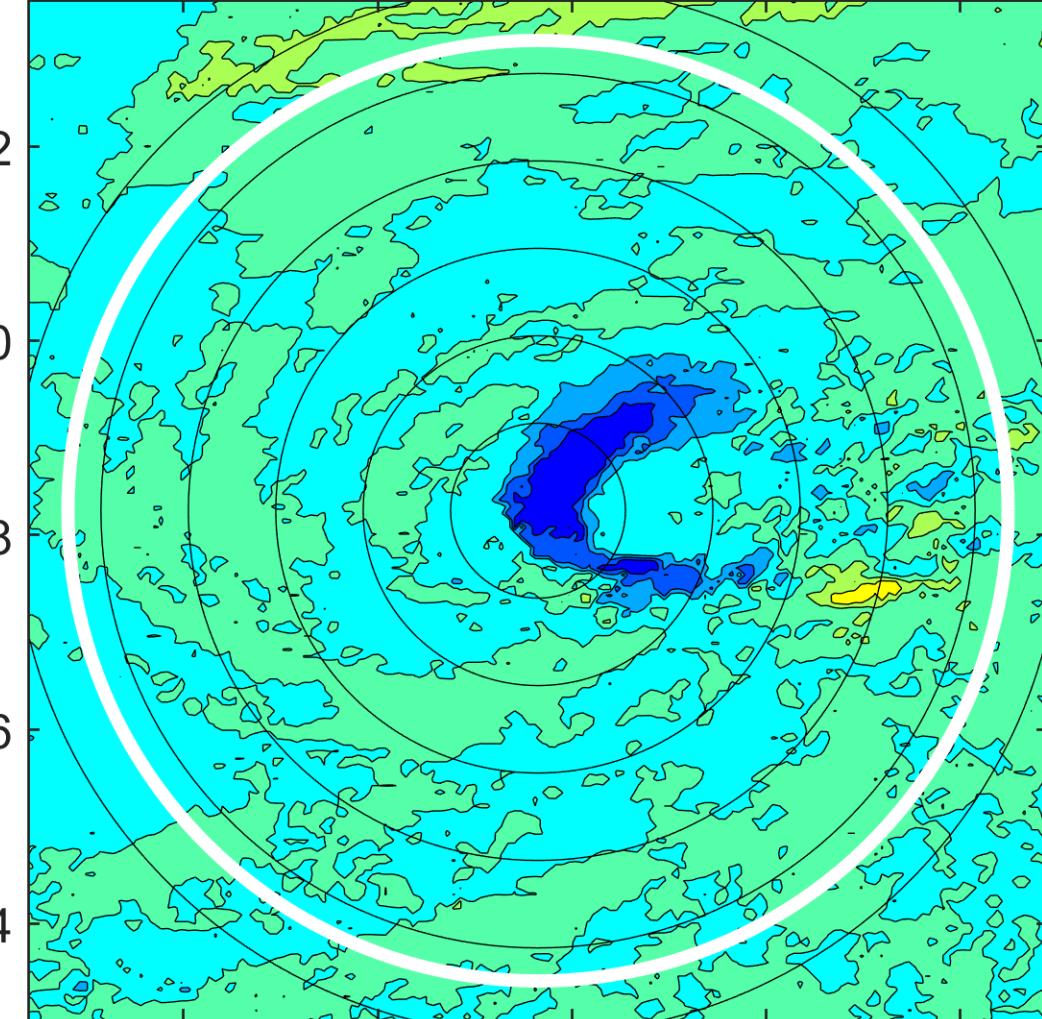
36

34

-46

-44

-42
Longitude



IR BT & Lightning

t: 2019082300 (21.2 LT)

Lightning: 21.2 LT ± 1.5 h (dots)

PT: SLCP | EA: QUASI
04L (CHANTAL) | 30 kt TD
S: 7.4 m s^{-1} (M) | H: 99°

Latitude

42

40

38

36

34

-46

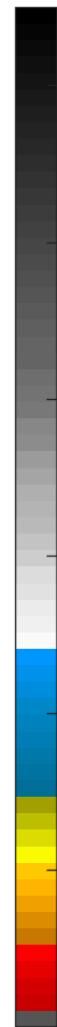
-44

-42

-40

-38

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082300 (21.2 LT) - 2019082218 (15.1 LT)

Lightning: 21.2 LT ± 1.5 h (dots)

PT: SLCP | EA: QUASI
04L (CHANTAL) | 30 kt TD
S: 7.4 m s^{-1} (M) | H: 99°

Latitude

42

40

38

36

34

-46

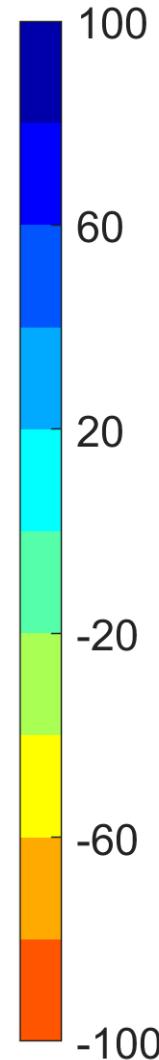
-44

-42

-40

-38

Longitude



IR BT & Lightning

t: 2019082303 (0.2 LT)

Lightning: 0.2 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 27.5 kt TD

S: 6.3 m s^{-1} (M) | H: 103.5°

Latitude

42

40

38

36

34

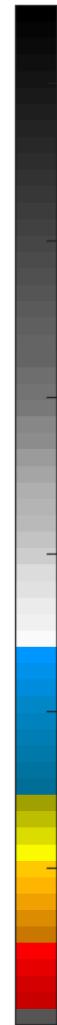
-46

-44

-42

-40 -38

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082303 (0.2 LT) - 2019082221 (18.2 LT)

Lightning: 0.2 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 27.5 kt TD

S: 6.3 m s^{-1} (M) | H: 103.5°

Latitude

42

40

38

36

34

-46

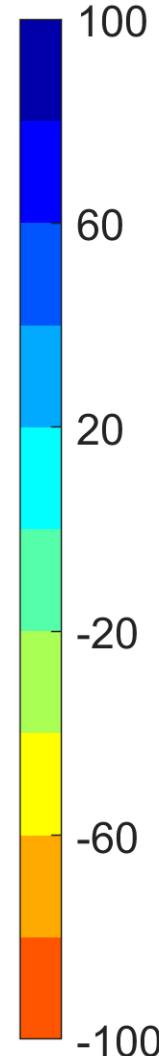
-44

-42

-40

-38

Longitude



IR BT & Lightning

t: 2019082306 (3.3 LT)

Lightning: 3.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt TD

S: 5.2 m s⁻¹ (M) | H: 108°

Latitude

42

40

38

36

34

-46

-44

-42

-40

-38

-36

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082306 (3.3 LT) - 2019082300 (21.2 LT)

Lightning: 3.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt TD

S: 5.2 m s⁻¹ (M) | H: 108°

Latitude

42

40

38

36

34

-46

-44

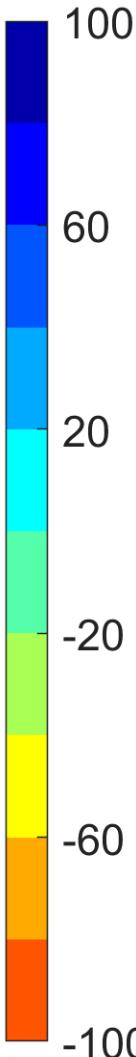
-42

-40

-38

-36

Longitude



IR BT & Lightning

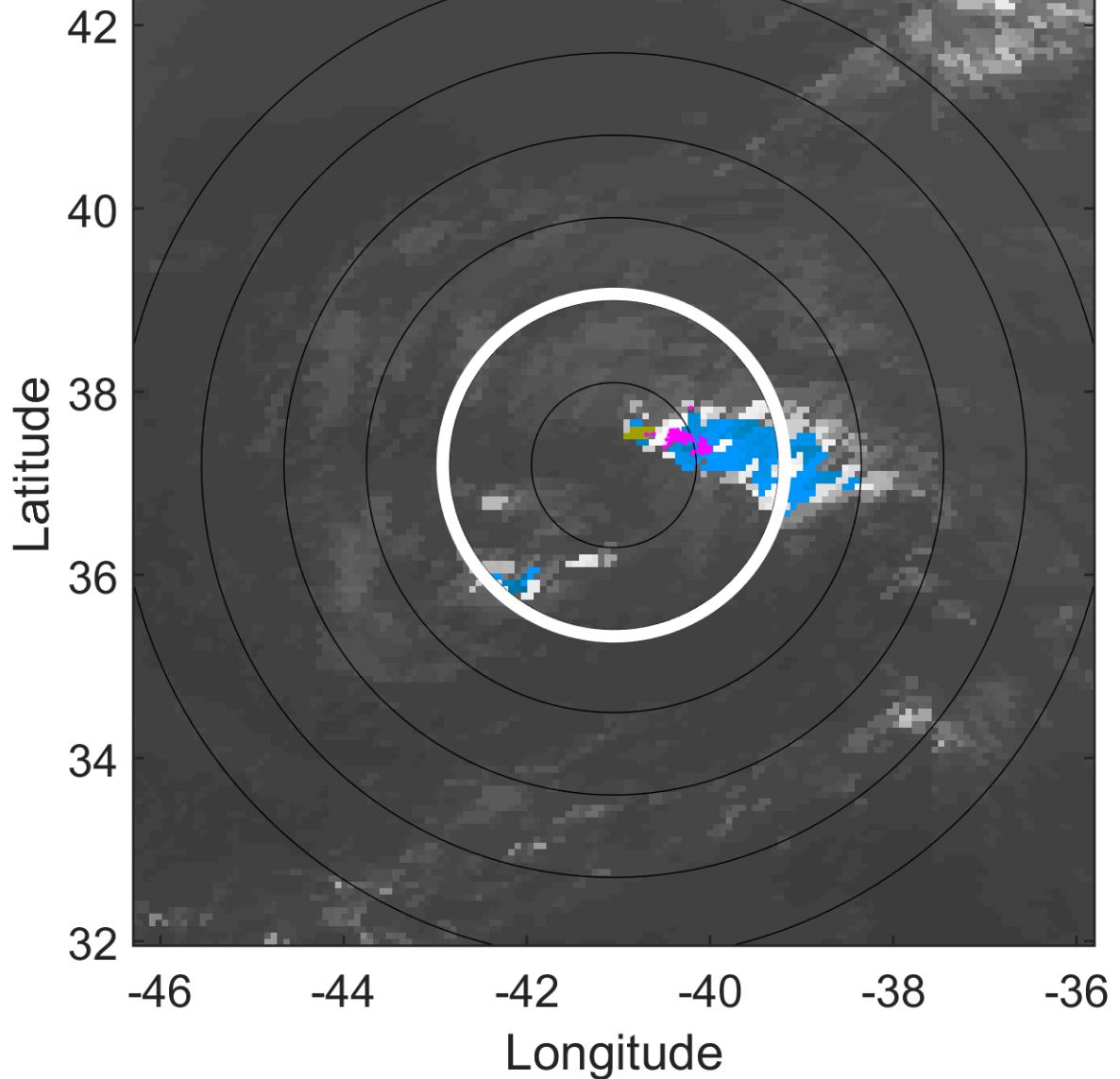
t: 2019082309 (6.3 LT)

Lightning: 6.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt TD

S: 4.5 m s^{-1} (M) | H: 116°



6-h IR BT Differences & Lightning

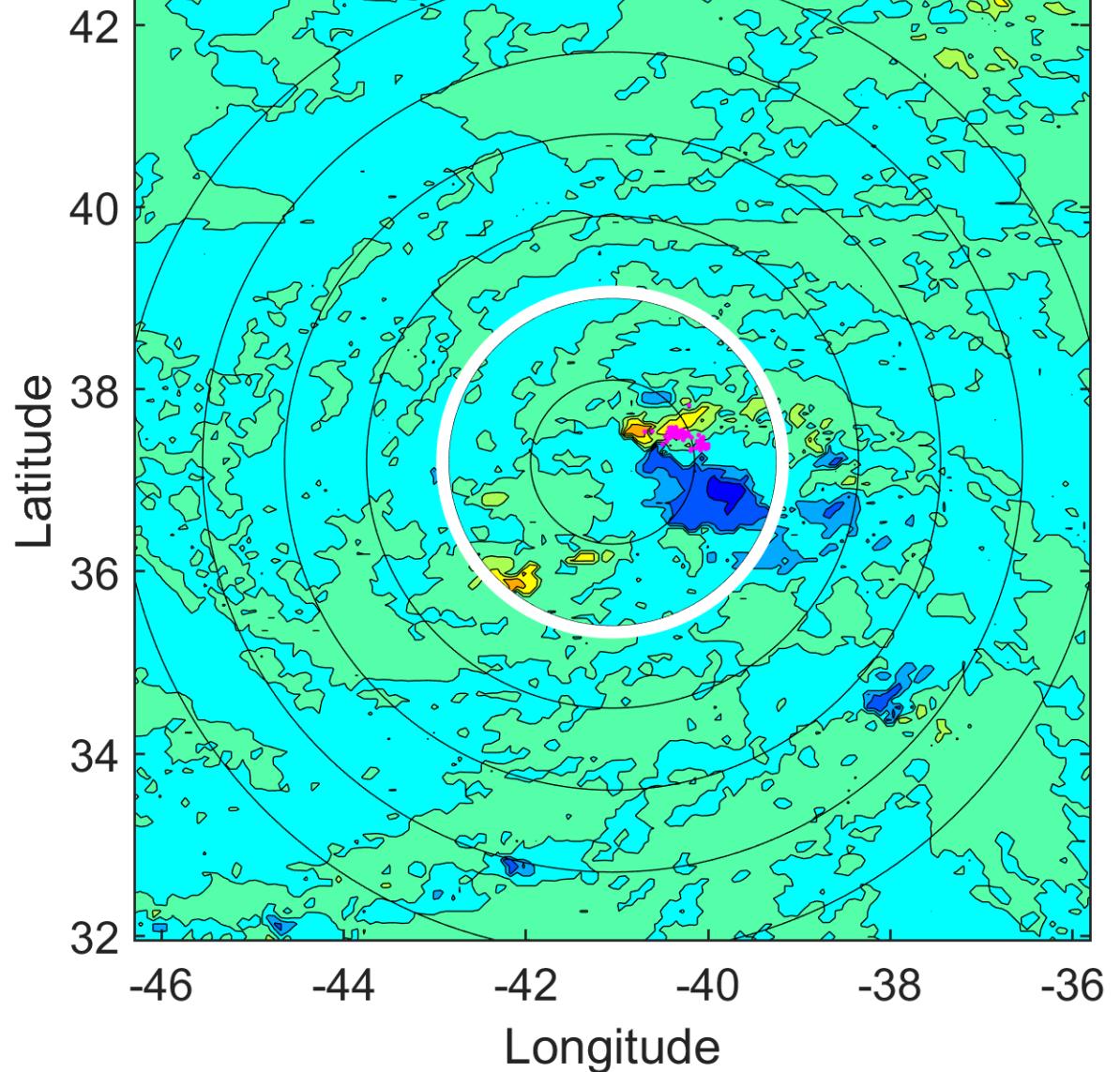
Δt: 2019082309 (6.3 LT) - 2019082303 (0.2 LT)

Lightning: 6.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt TD

S: 4.5 m s^{-1} (M) | H: 116°



Two vertical color bars on the right side of the figure. The left color bar corresponds to the BT scale in the left panel, ranging from -80 (red) to 40 (black). The right color bar corresponds to the BT difference scale in the right panel, ranging from -100 (orange) to 100 (dark blue).

IR BT & Lightning

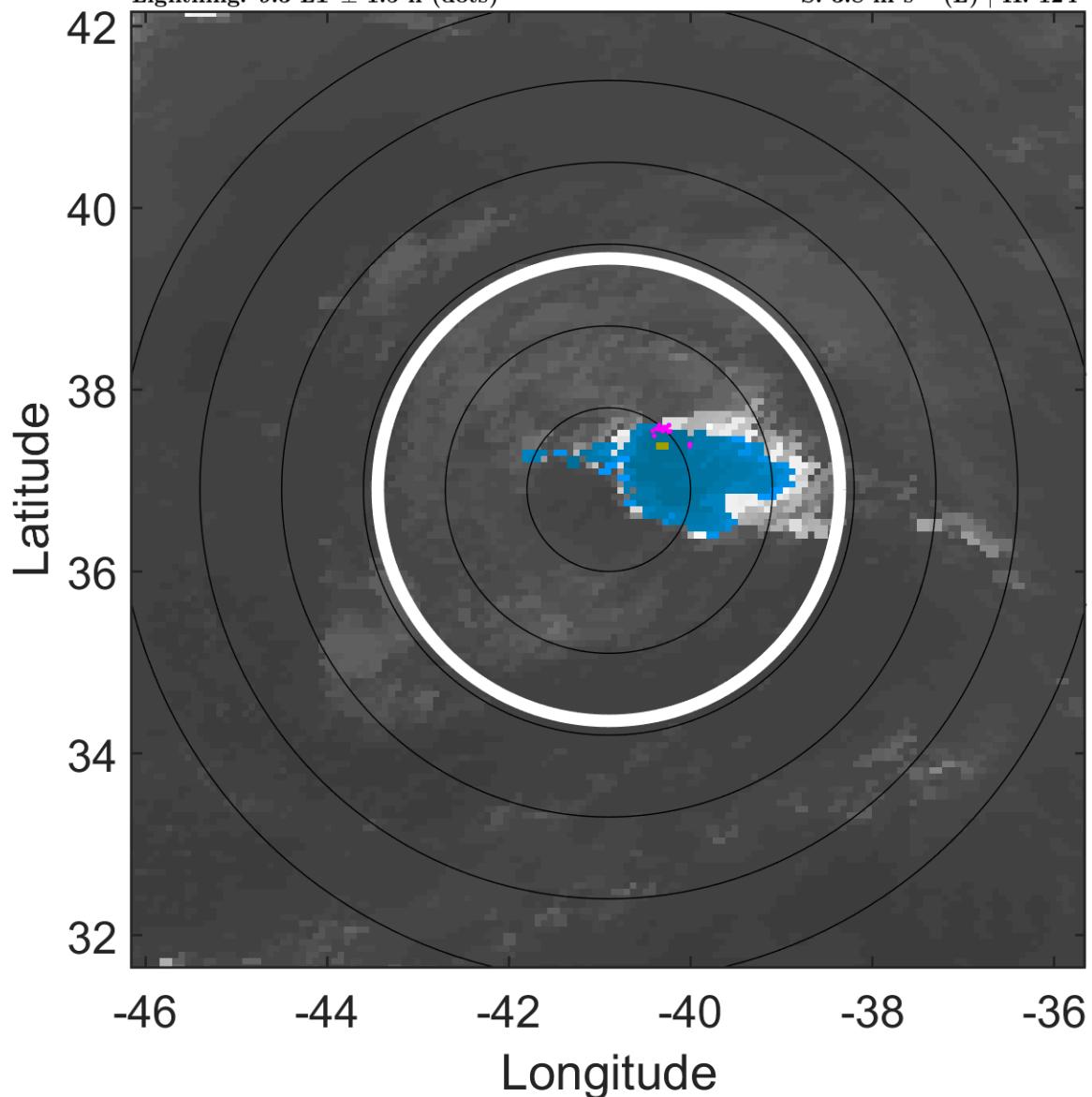
t: 2019082312 (9.3 LT)

Lightning: 9.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt TD

S: 3.8 m s⁻¹ (L) | H: 124°



6-h IR BT Differences & Lightning

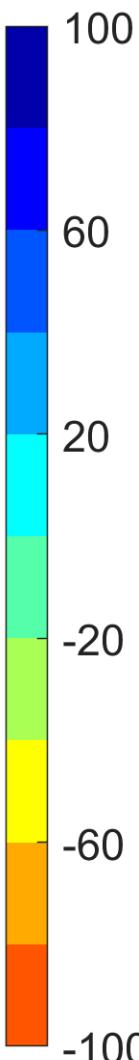
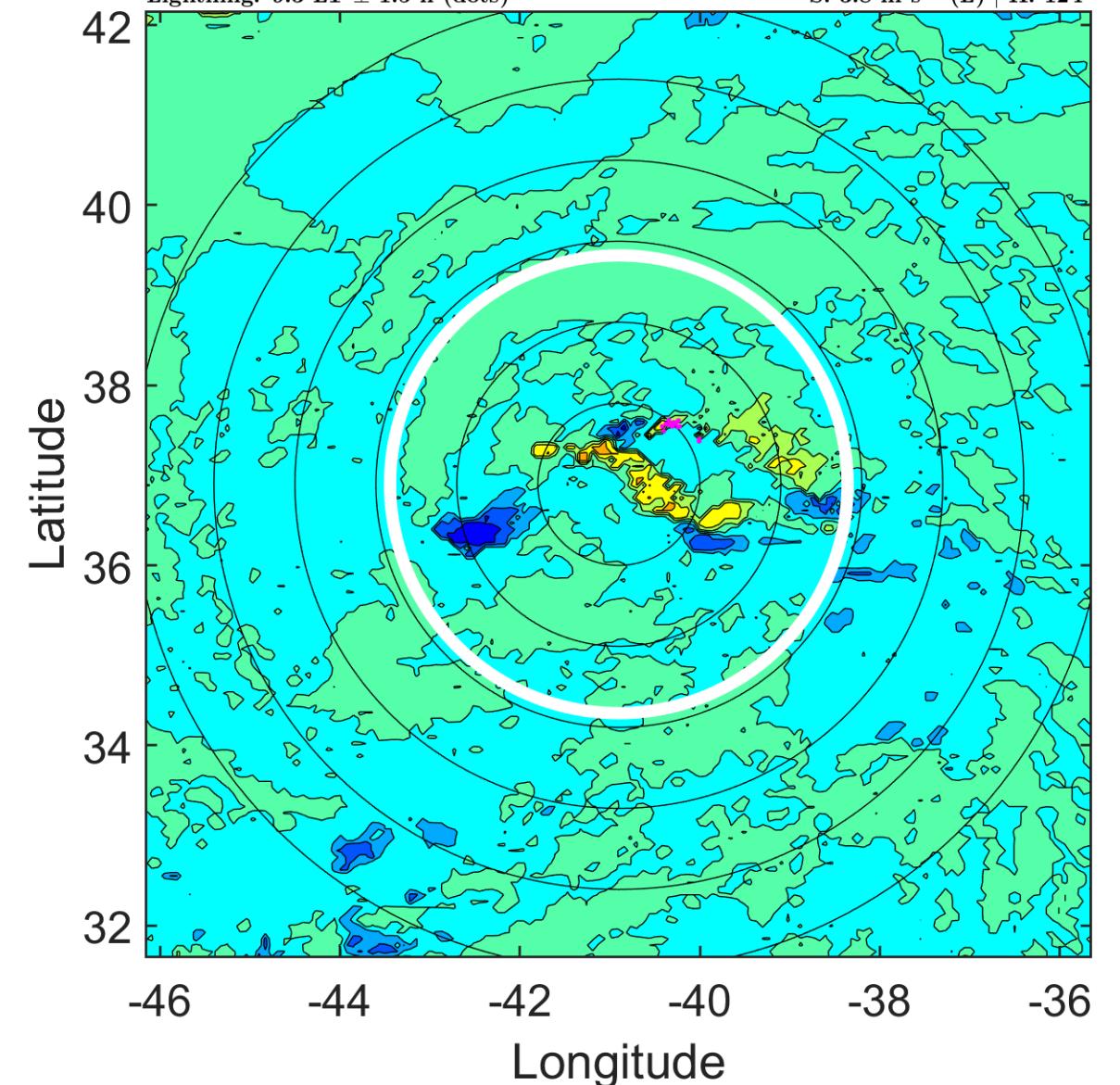
Δt: 2019082312 (9.3 LT) - 2019082306 (3.3 LT)

Lightning: 9.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt TD

S: 3.8 m s⁻¹ (L) | H: 124°



IR BT & Lightning

t: 2019082315 (12.3 LT)

Lightning: 12.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt TD

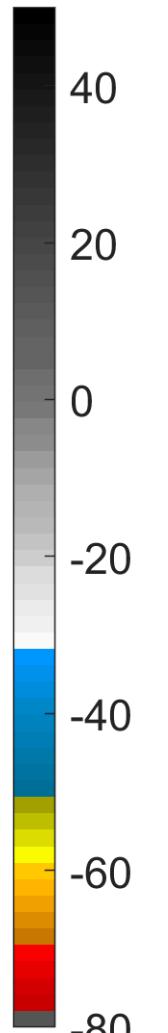
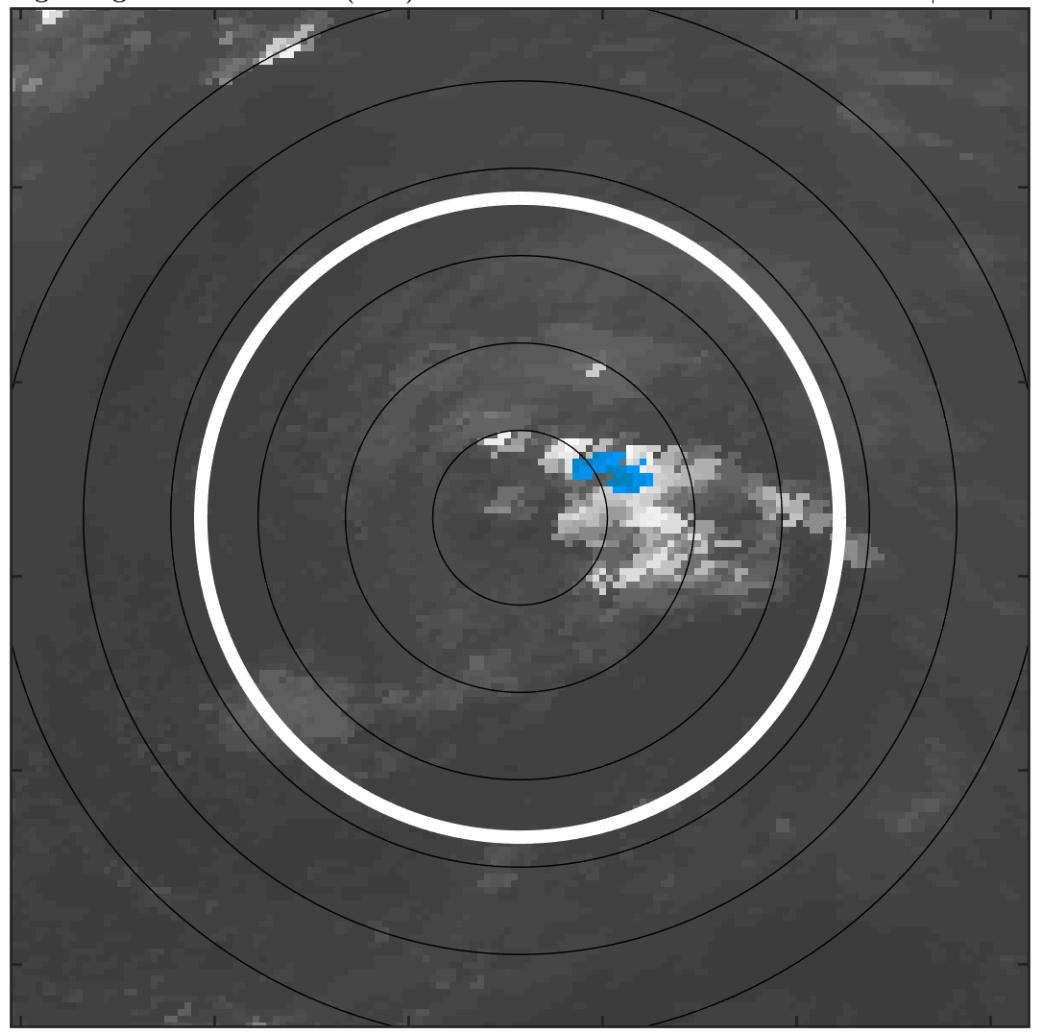
S: null | H: null

Latitude

40
38
36
34
32

-46 -44 -42 -40 -38 -36

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082315 (12.3 LT) - 2019082309 (6.3 LT)

Lightning: 12.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt TD

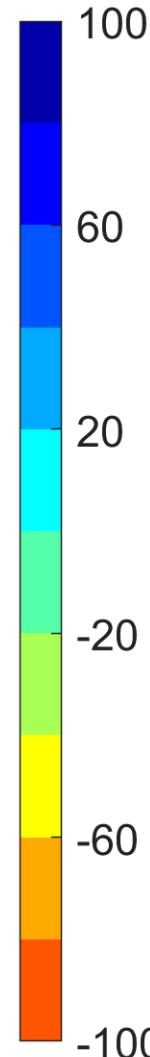
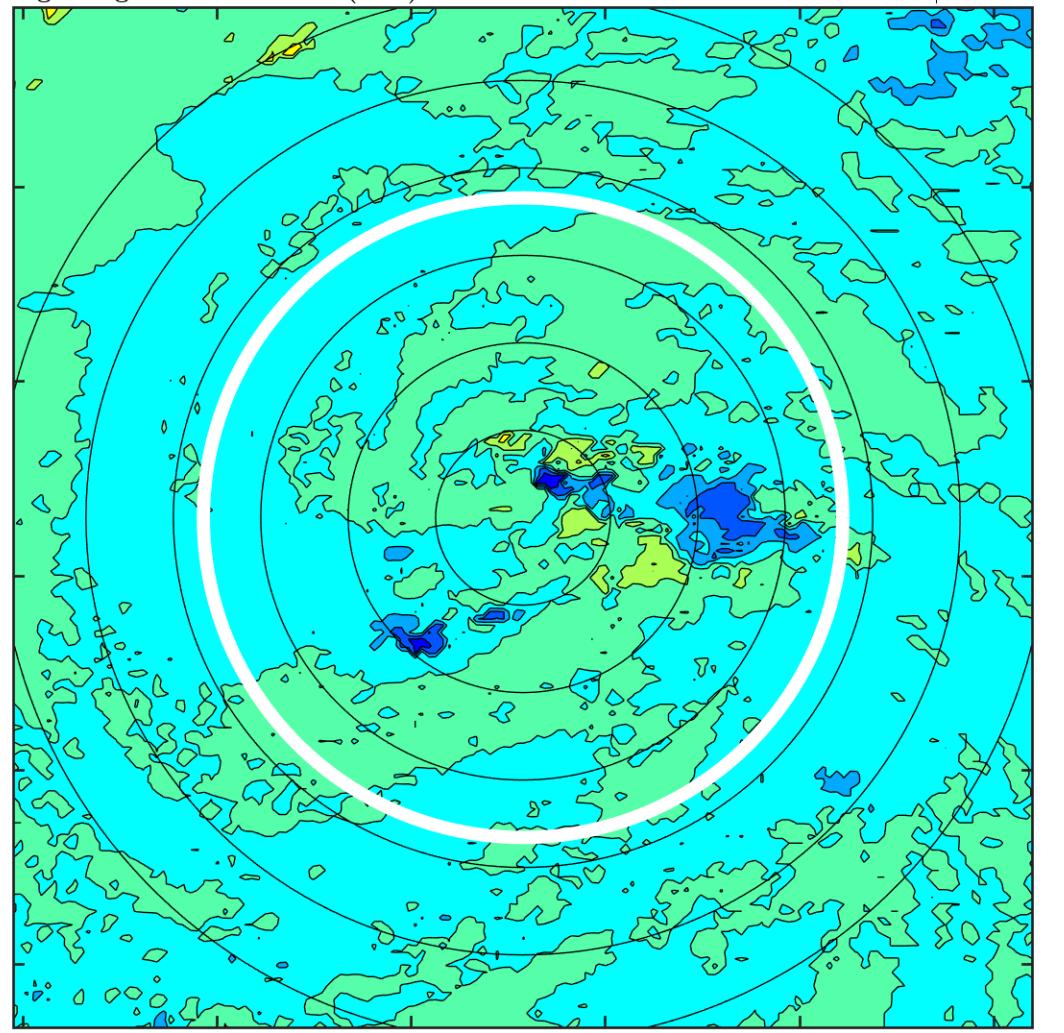
S: null | H: null

Latitude

40
38
36
34
32

-46 -44 -42 -40 -38 -36

Longitude



IR BT & Lightning

t: 2019082318 (15.3 LT)

Lightning: 15.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-46

-44

-42

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082318 (15.3 LT) - 2019082312 (9.3 LT)

Lightning: 15.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

38

36

34

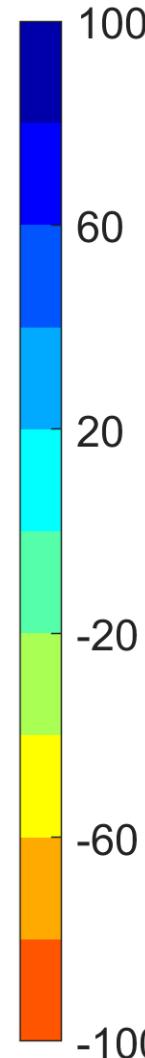
32

-46

-44

-42

Longitude



IR BT & Lightning

t: 2019082321 (18.3 LT)

Lightning: 18.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-46

-44

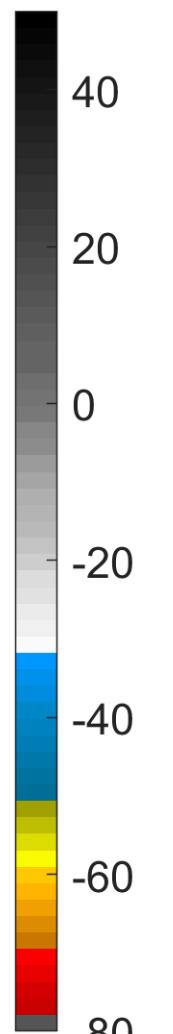
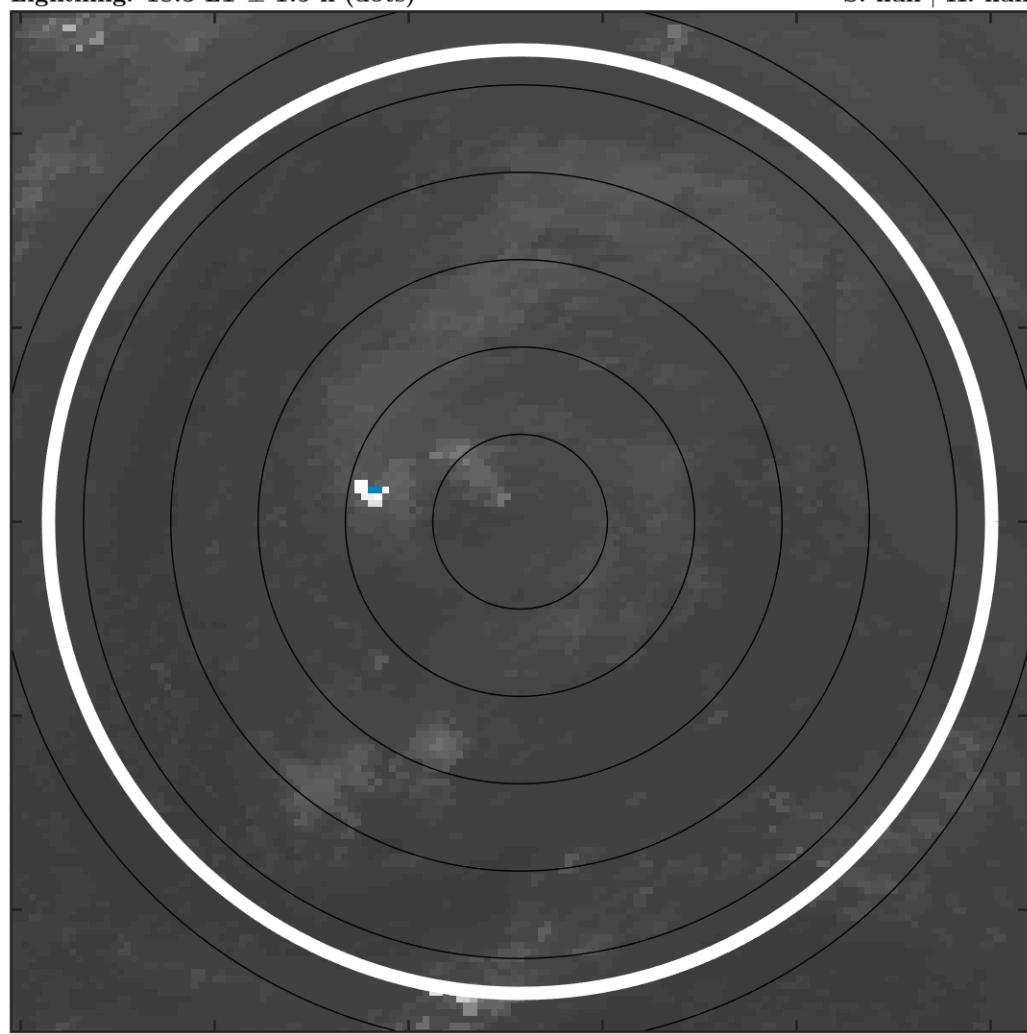
-42

-40

-38

-36

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082321 (18.3 LT) - 2019082315 (12.3 LT)

Lightning: 18.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

20

0

-20

-40

-60

-80

-46

-44

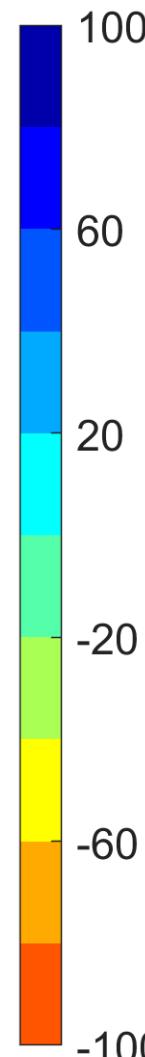
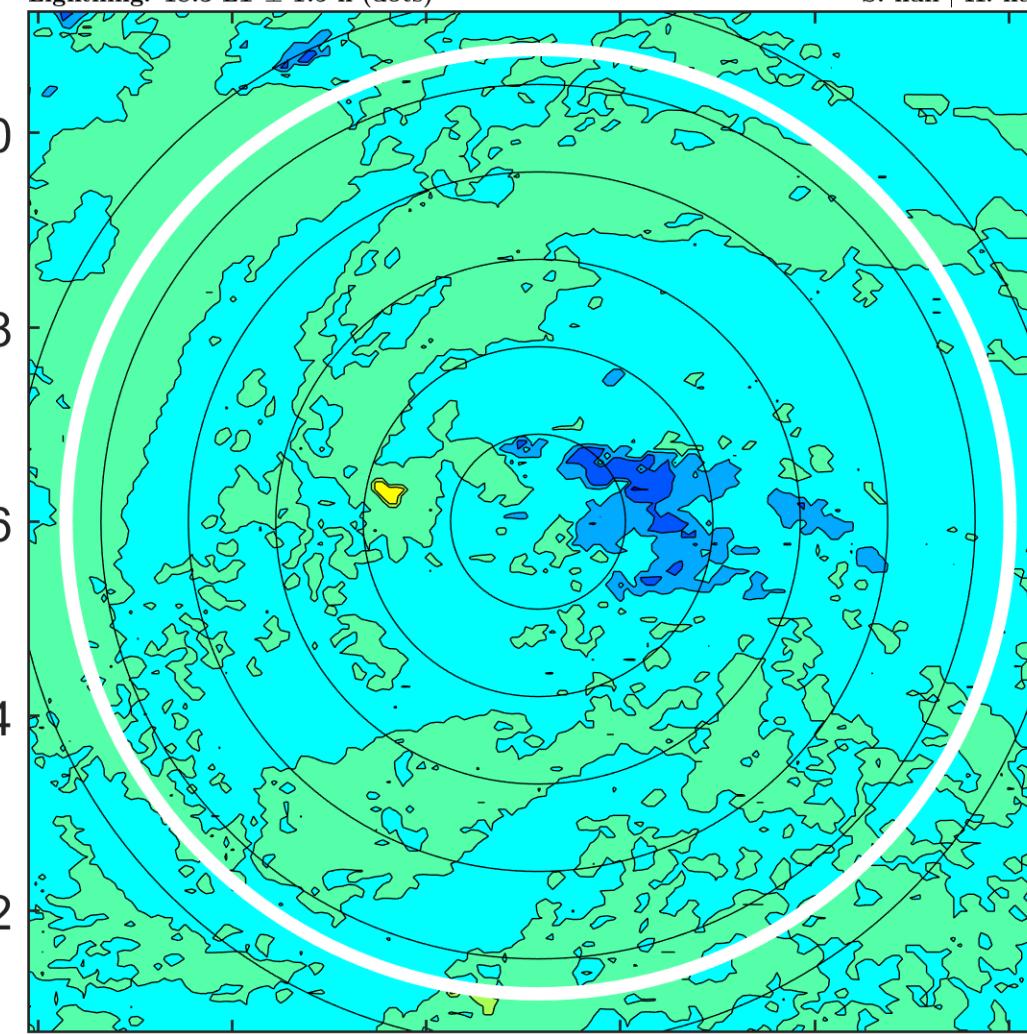
-42

-40

-38

-36

Longitude



IR BT & Lightning

t: 2019082400 (21.3 LT)

Lightning: 21.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-46

-44

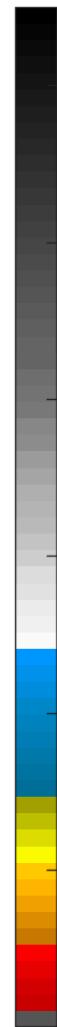
-42

-40

-38

-36

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082400 (21.3 LT) - 2019082318 (15.3 LT)

Lightning: 21.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-46

-44

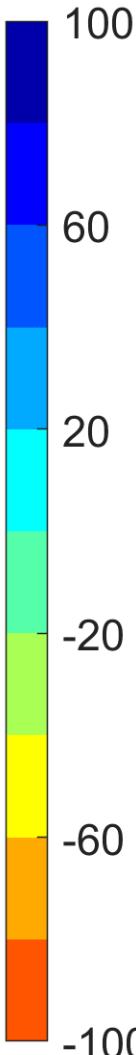
-42

-40

-38

-36

Longitude



IR BT & Lightning

t: 2019082403 (0.3 LT)

Lightning: 0.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-46

-44

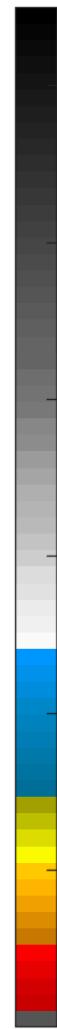
-42

-40

-38

-36

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082403 (0.3 LT) - 2019082321 (18.3 LT)

Lightning: 0.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

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-46

-44

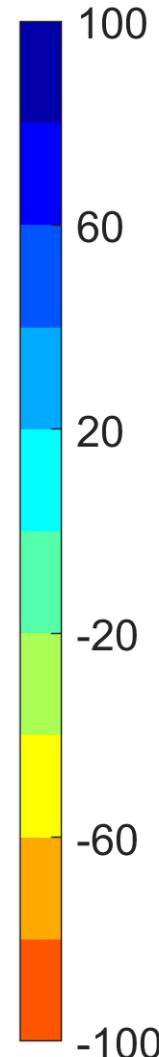
-42

-40

-38

-36

Longitude



IR BT & Lightning

t: 2019082406 (3.3 LT)

Lightning: 3.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

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-46

-44

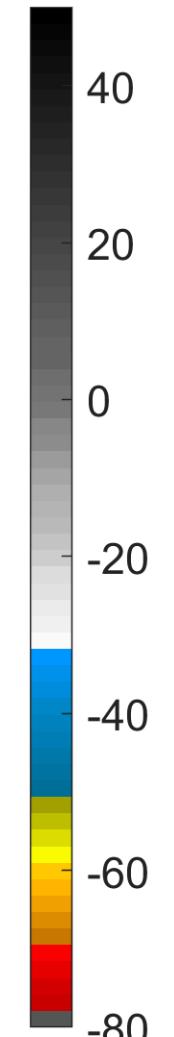
-42

-40

-38

-36

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082406 (3.3 LT) - 2019082400 (21.3 LT)

Lightning: 3.3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-46

-44

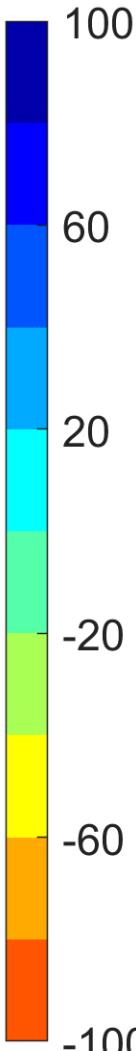
-42

-40

-38

-36

Longitude



IR BT & Lightning

t: 2019082409 (6.2 LT)

Lightning: 6.2 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

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32

30

-46

-44

-42

-40

-38

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082409 (6.2 LT) - 2019082403 (0.3 LT)

Lightning: 6.2 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null

Latitude

40

38

36

34

32

30

-46

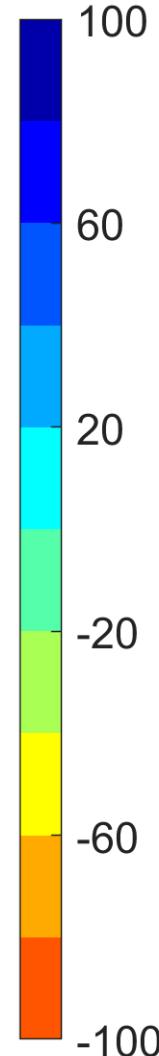
-44

-42

-40

-38

Longitude



IR BT & Lightning

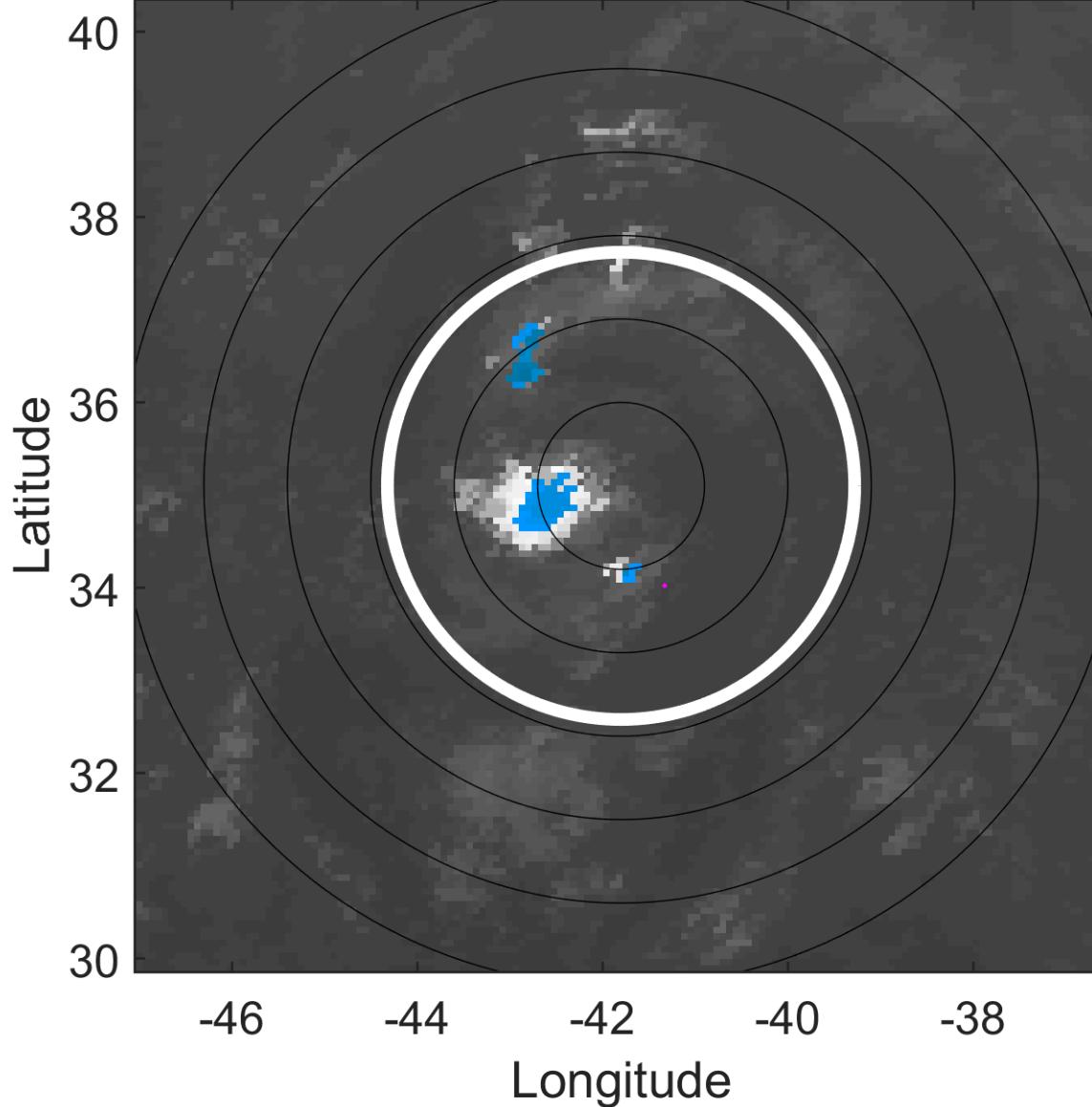
t: 2019082412 (9.2 LT)

Lightning: 9.2 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null



6-h IR BT Differences & Lightning

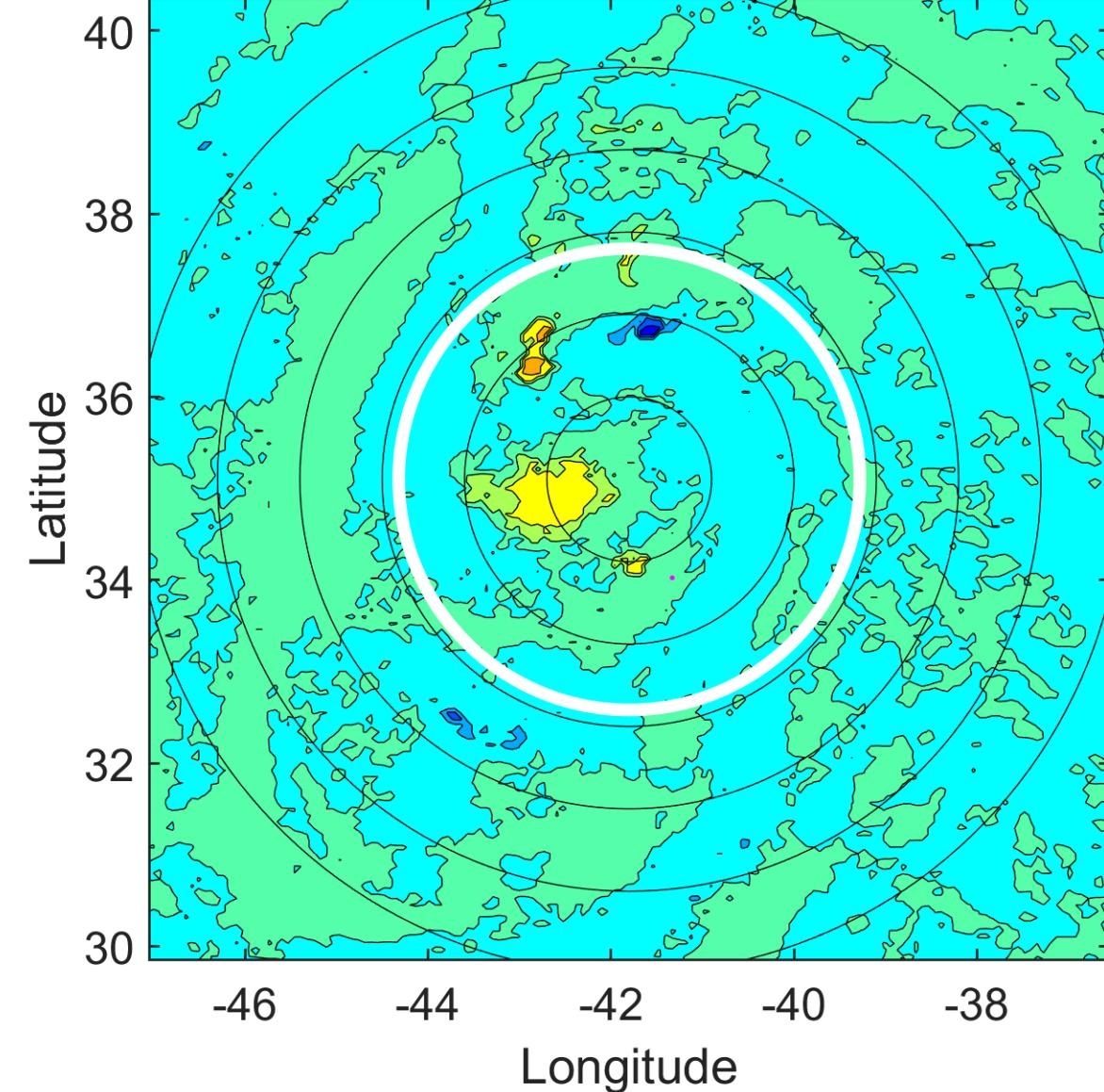
Δt: 2019082412 (9.2 LT) - 2019082406 (3.3 LT)

Lightning: 9.2 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null



IR BT & Lightning

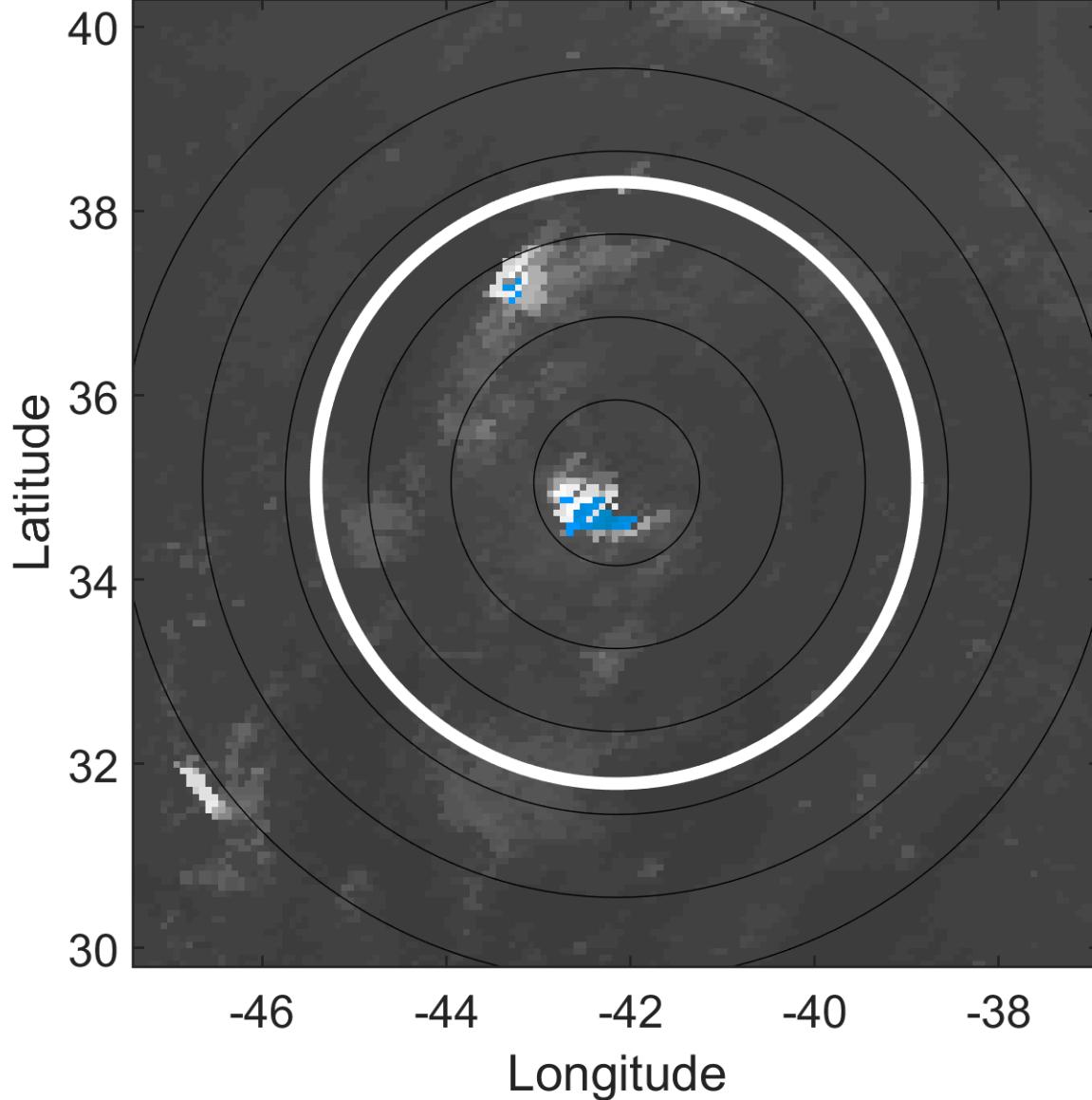
t: 2019082415 (12.2 LT)

Lightning: 12.2 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null



6-h IR BT Differences & Lightning

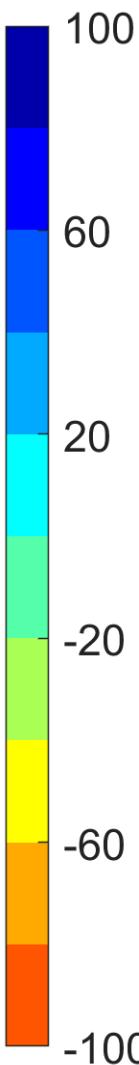
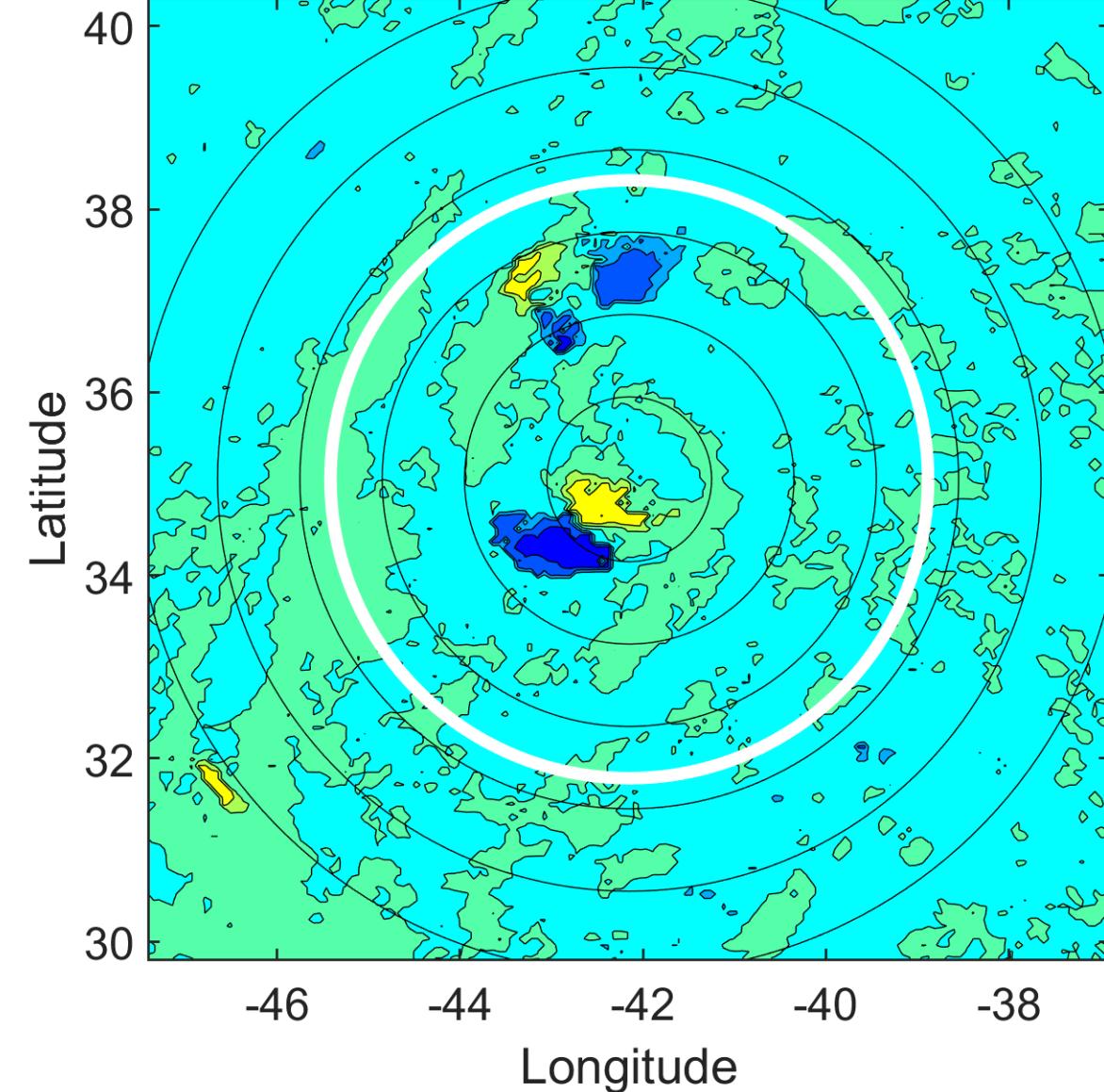
Δt: 2019082415 (12.2 LT) - 2019082409 (6.2 LT)

Lightning: 12.2 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null



IR BT & Lightning

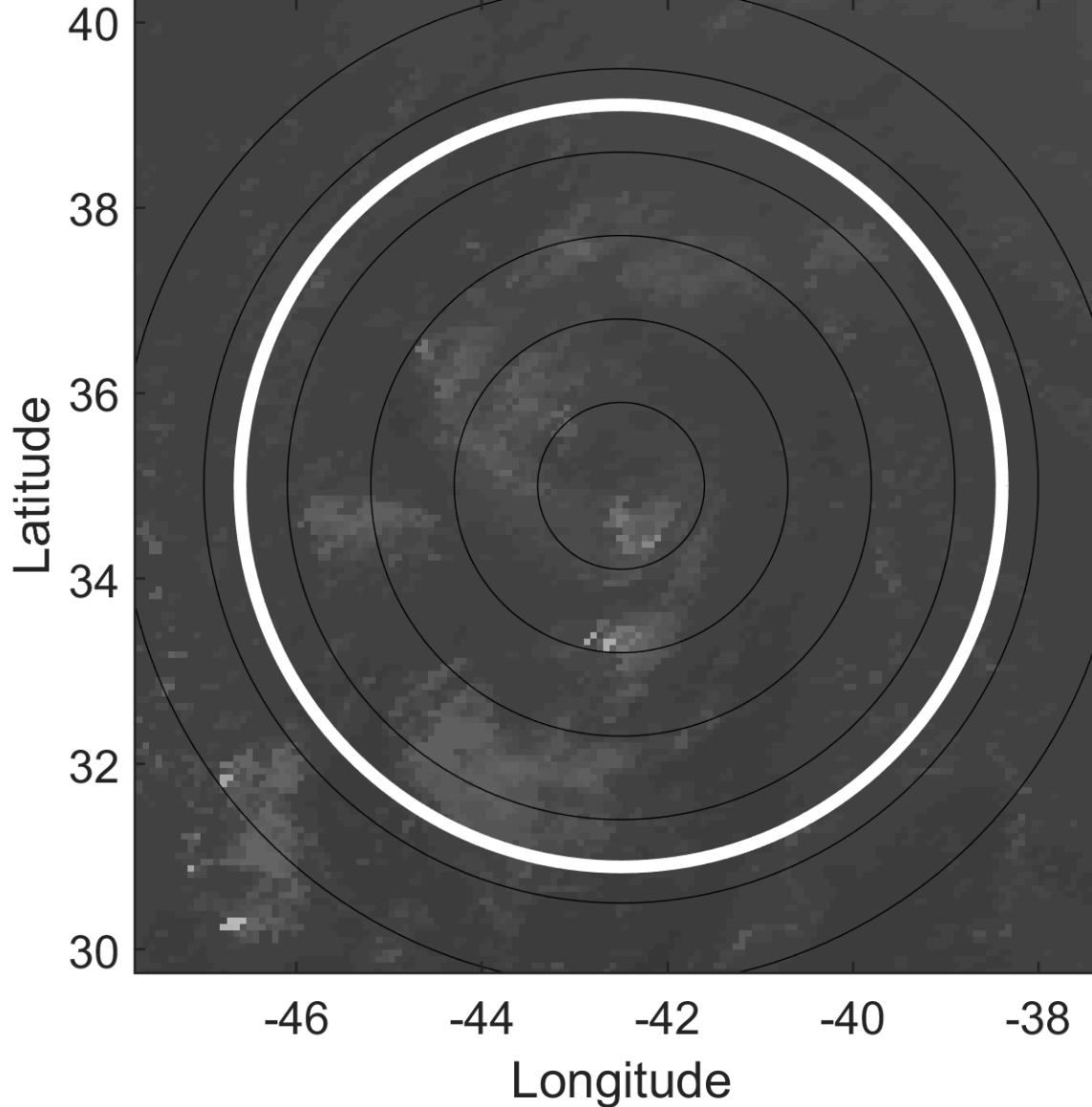
t: 2019082418 (15.2 LT)

Lightning: 15.2 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null



6-h IR BT Differences & Lightning

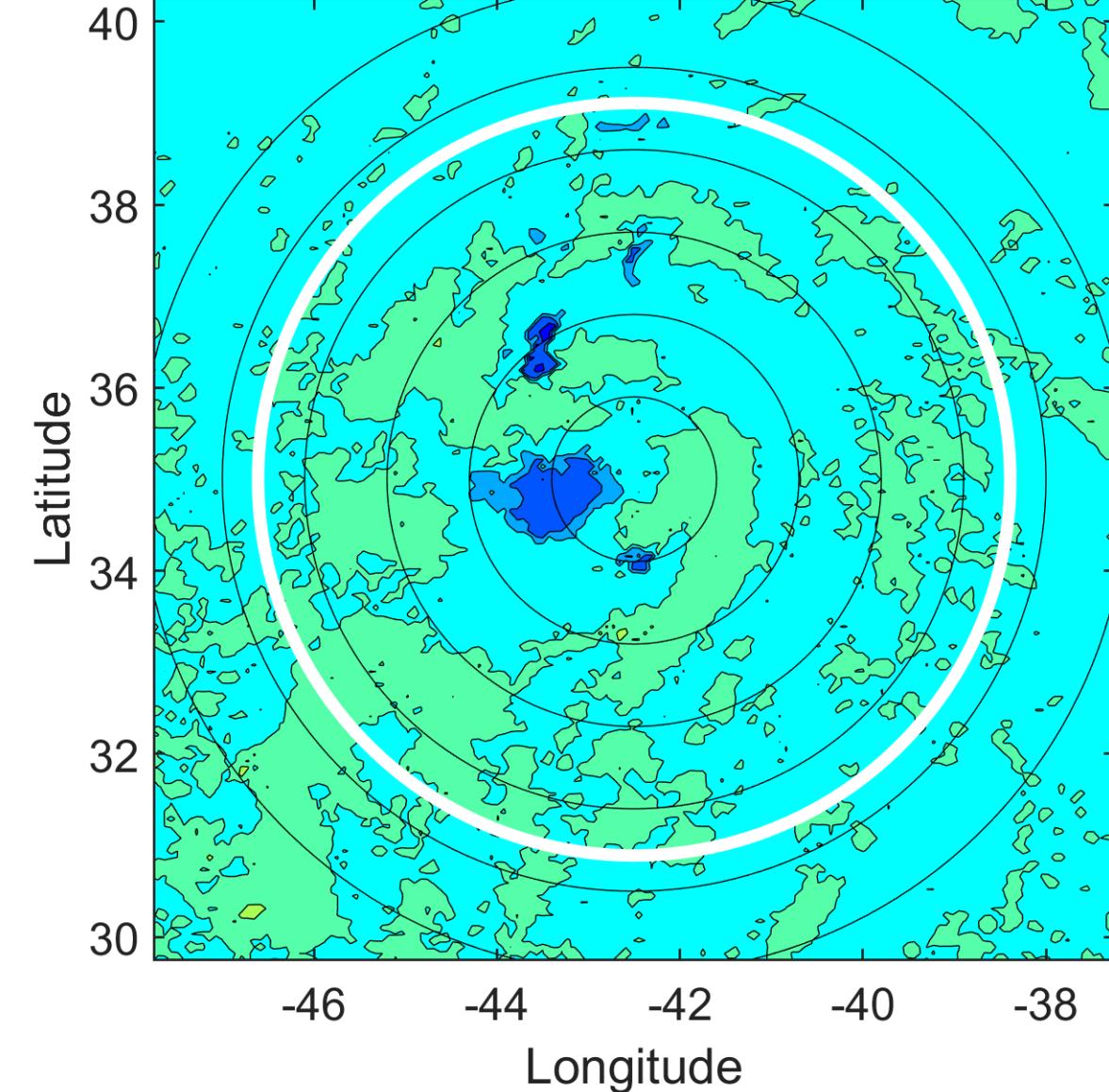
Δt : 2019082418 (15.2 LT) - 2019082412 (9.2 LT)

Lightning: 15.2 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 25 kt LO

S: null | H: null



IR BT & Lightning

t: 2019082421 (18.1 LT)

Lightning: 18.1 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 22.5 kt LO

S: null | H: null

Latitude

40

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-48

-46

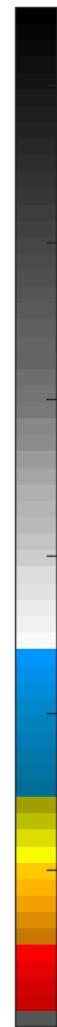
-44

-42

-40

-38

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082421 (18.1 LT) - 2019082415 (12.2 LT)

Lightning: 18.1 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 22.5 kt LO

S: null | H: null

Latitude

40

38

36

34

32

30

-48

-46

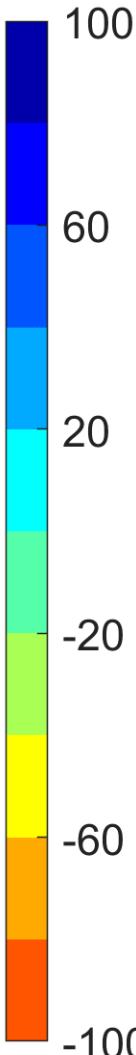
-44

-42

-40

-38

Longitude



IR BT & Lightning

t: 2019082500 (21.1 LT)

Lightning: 21.1 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null

Latitude

40

38

36

34

32

30

-48

-46

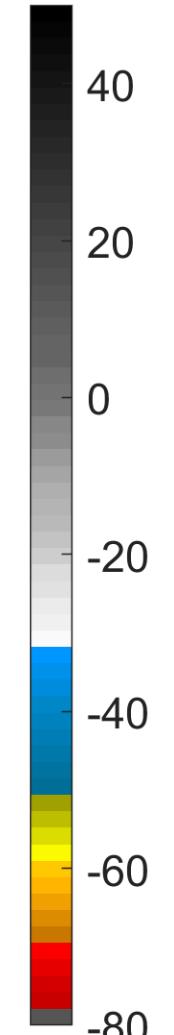
-44

-42

-40

-38

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082500 (21.1 LT) - 2019082418 (15.2 LT)

Lightning: 21.1 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null

Latitude

40

38

36

34

32

30

-48

-46

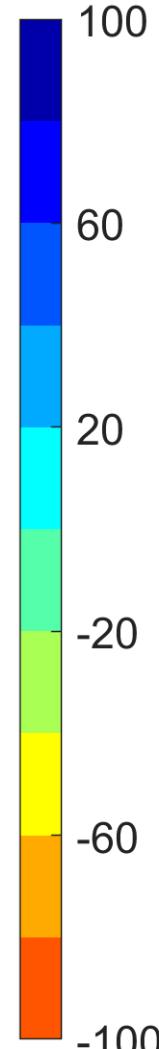
-44

-42

-40

-38

Longitude



IR BT & Lightning

t: 2019082503 (0.1 LT)

Lightning: 0.1 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-48

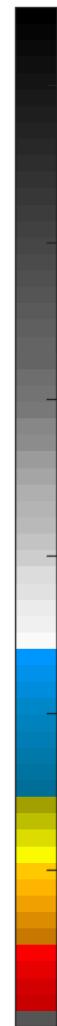
-46

-44

-42

-40

Longitude



6-h IR BT Differences & Lightning

Δt : 2019082503 (0.1 LT) - 2019082421 (18.1 LT)

Lightning: 0.1 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-48

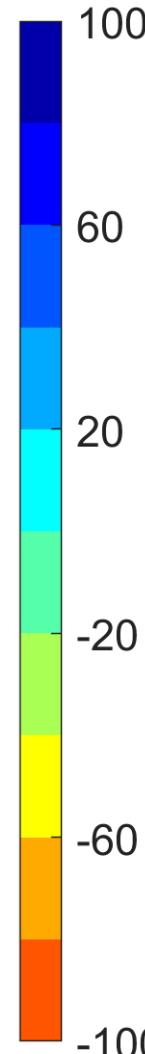
-46

-44

-42

-40

Longitude



IR BT & Lightning

t: 2019082506 (3.1 LT)

Lightning: 3.1 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-48

-46

Longitude



6-h IR BT Differences & Lightning

Δt : 2019082506 (3.1 LT) - 2019082500 (21.1 LT)

Lightning: 3.1 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null

Latitude

40

38

36

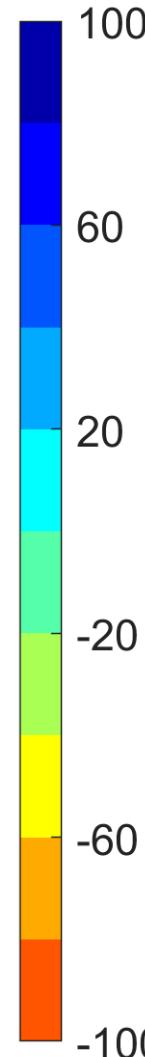
34

32

-48

-46

Longitude



IR BT & Lightning

t: 2019082509 (6.1 LT)

Lightning: 6.1 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null

Latitude

40

38

36

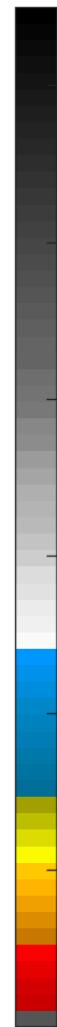
34

32

-48

-46

Longitude



6-h IR BT Differences & Lightning

Δt : 2019082509 (6.1 LT) - 2019082503 (0.1 LT)

Lightning: 6.1 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null

Latitude

40

38

36

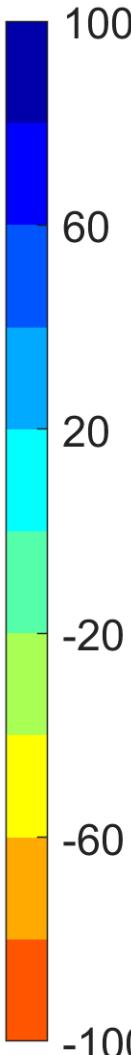
34

32

-48

-46

Longitude



IR BT & Lightning

t: 2019082512 (9.1 LT)

Lightning: 9.1 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-48

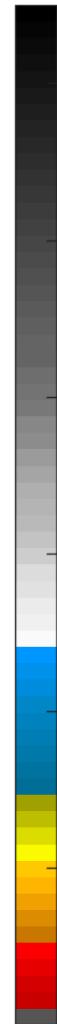
-46

-44
Longitude

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null



6-h IR BT Differences & Lightning

Δt : 2019082512 (9.1 LT) - 2019082506 (3.1 LT)

Lightning: 9.1 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 20 kt LO

S: null | H: null

Latitude

40

20

0

-20

-40

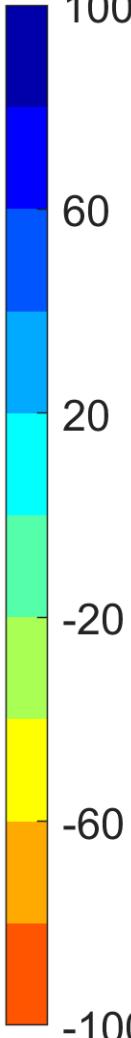
-60

-80

-48

-46

-44
Longitude



IR BT & Lightning

t: 2019082515 (12.1 LT)

Lightning: 12.1 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 17.5 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-48

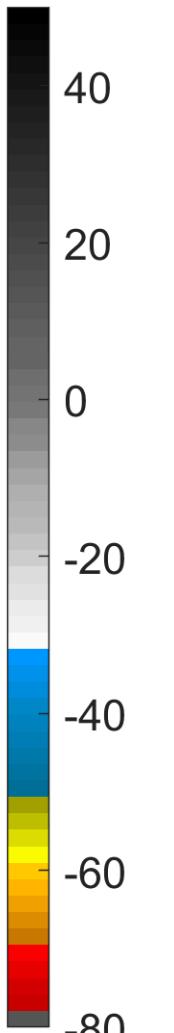
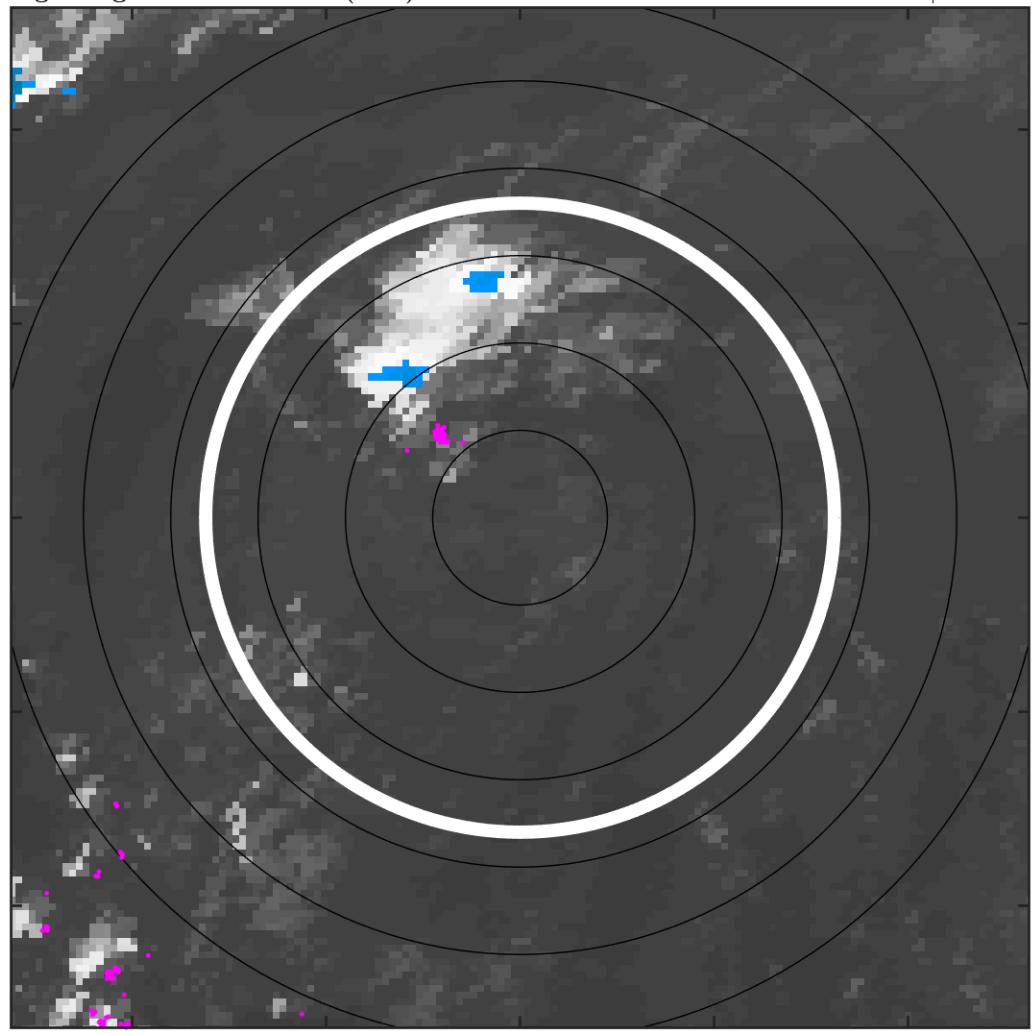
-46

-44

-42

-40

Longitude



6-h IR BT Differences & Lightning

Δt : 2019082515 (12.1 LT) - 2019082509 (6.1 LT)

Lightning: 12.1 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 17.5 kt LO

S: null | H: null

Latitude

40

20

0

-20

-40

-60

-80

-48

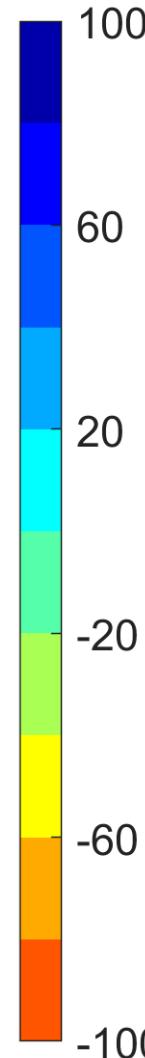
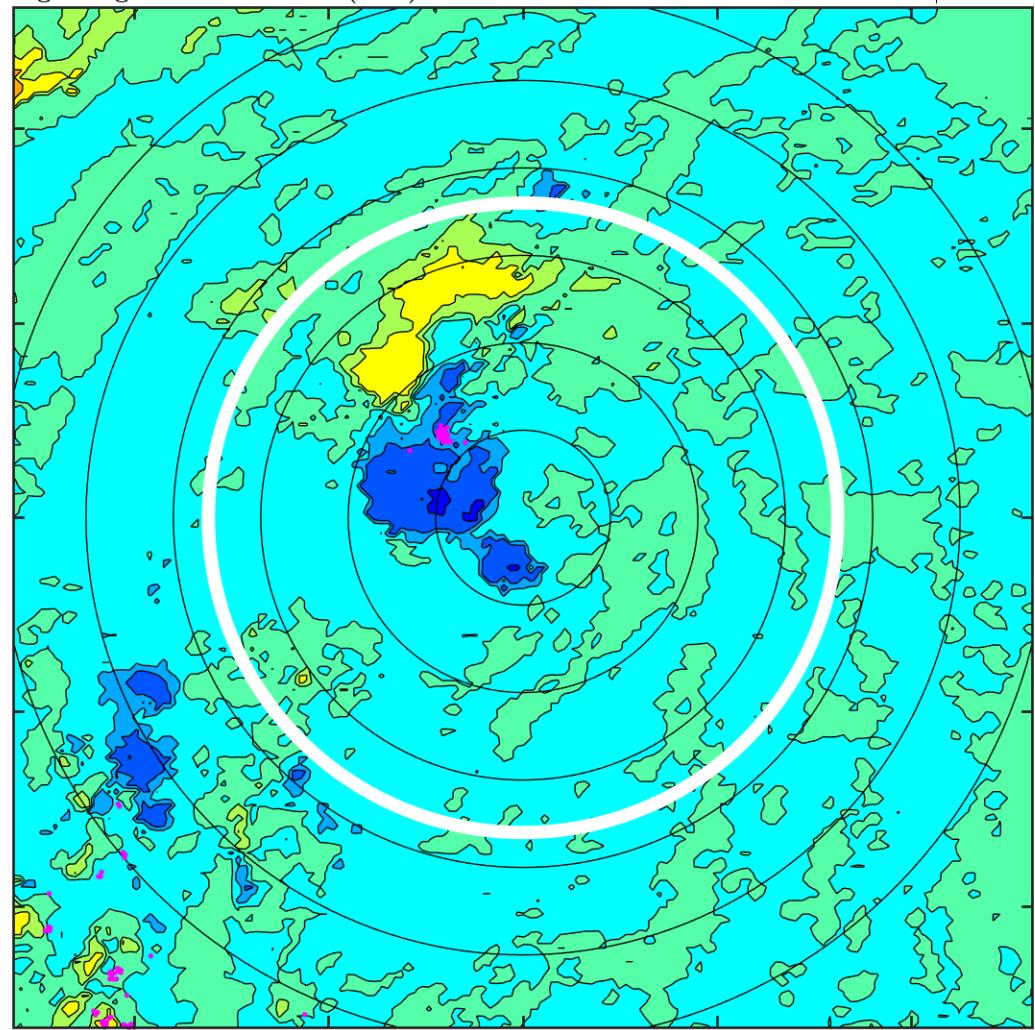
-46

-44

-42

-40

Longitude



IR BT & Lightning

t: 2019082518 (15.1 LT)

Lightning: 15.1 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-48

-46

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082518 (15.1 LT) - 2019082512 (9.1 LT)

Lightning: 15.1 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

20

0

-20

-40

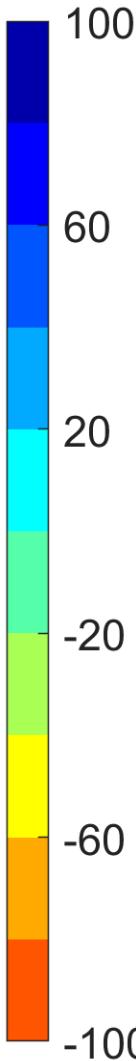
-60

-80

-48

-46

Longitude



IR BT & Lightning

t: 2019082521 (18.1 LT)

Lightning: 18.1 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-48

-46

Longitude



40
20
0
-20
-40
-60
-80

6-h IR BT Differences & Lightning

Δt: 2019082521 (18.1 LT) - 2019082515 (12.1 LT)

Lightning: 18.1 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

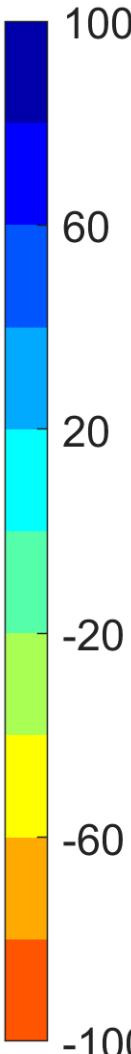
Latitude

40
20
0
-20
-40
-60
-80

-48

-46

Longitude



IR BT & Lightning

t: 2019082600 (21 LT)

Lightning: 21 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

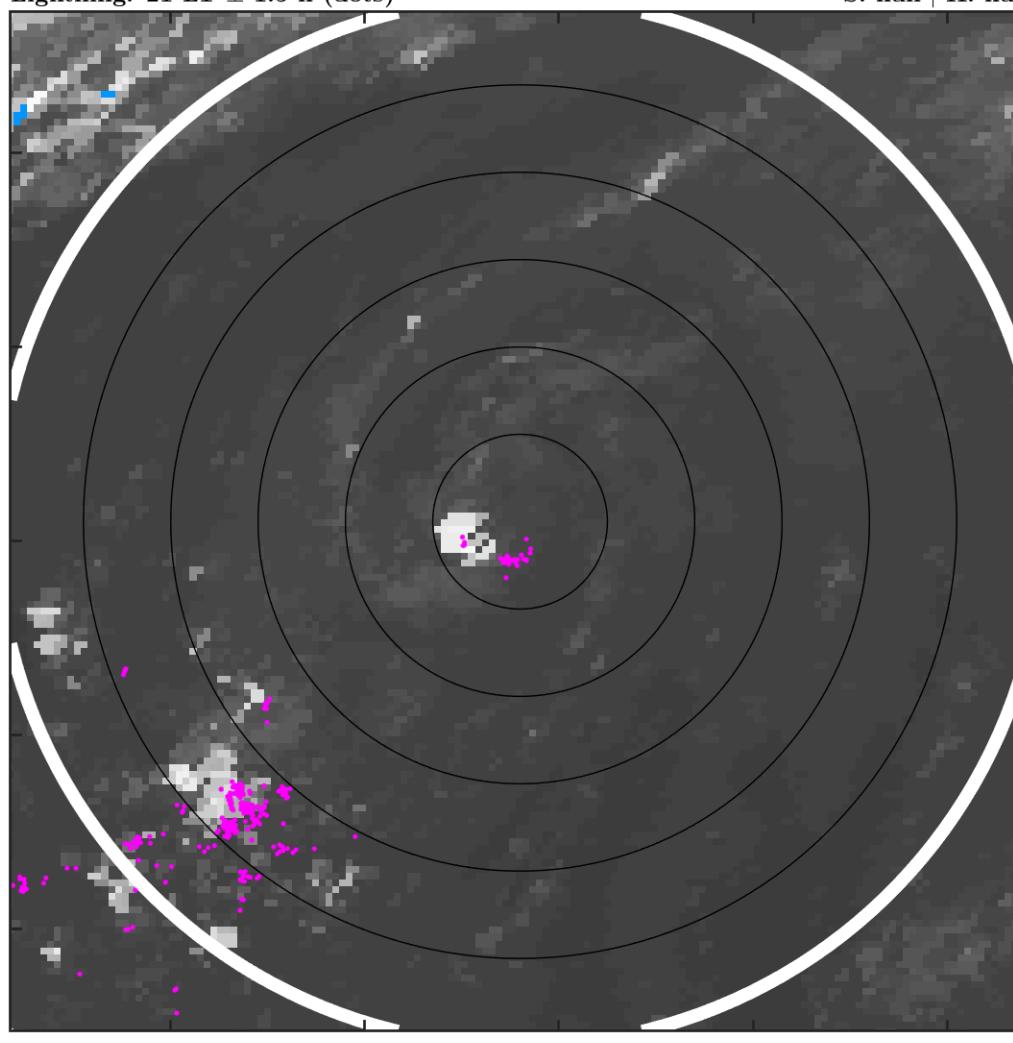
34

32

-48

-46

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082600 (21 LT) - 2019082518 (15.1 LT)

Lightning: 21 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

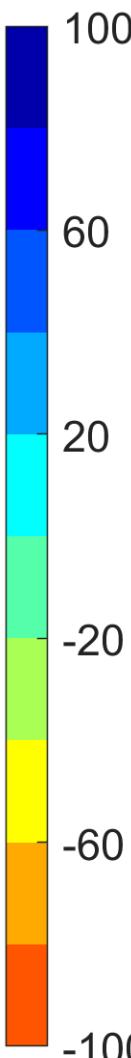
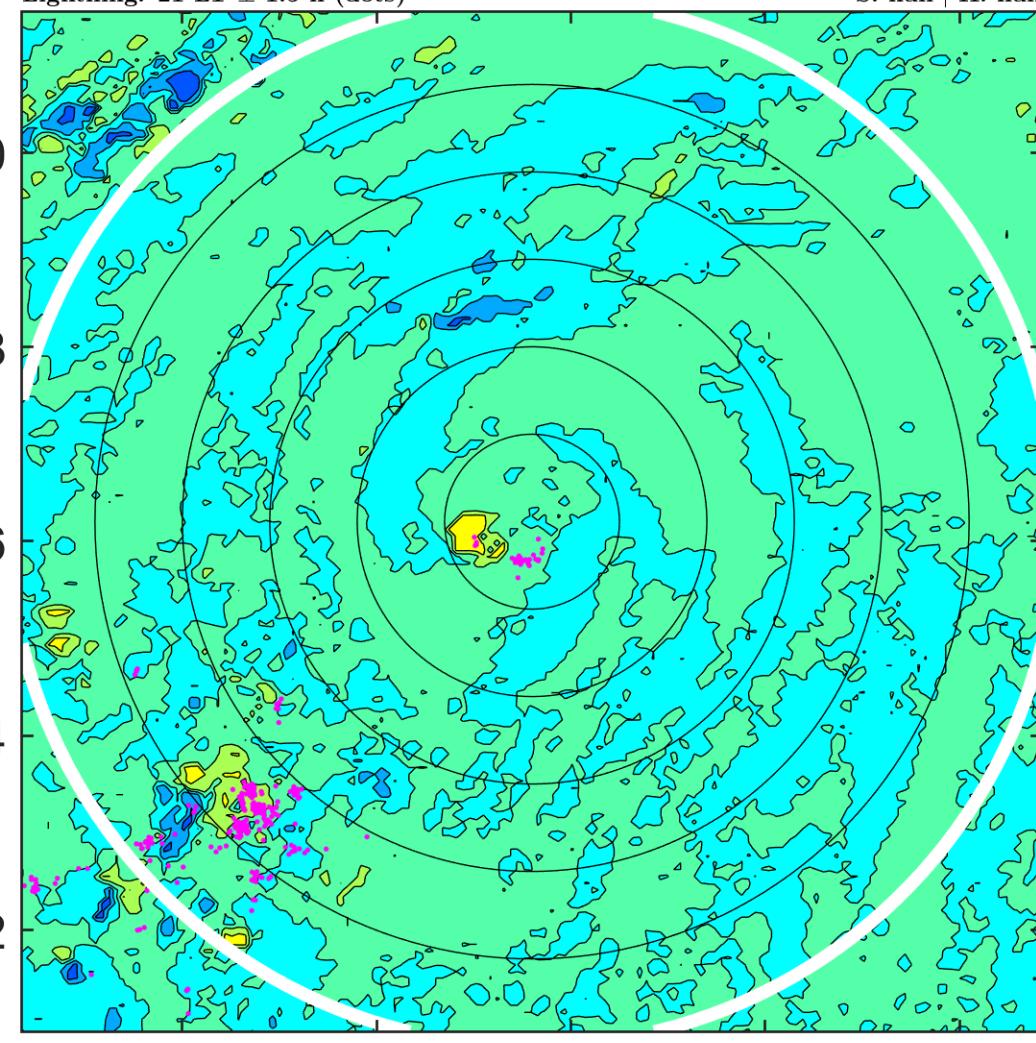
34

32

-48

-46

Longitude



IR BT & Lightning

t: 2019082603 (0 LT)

Lightning: 0 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-48

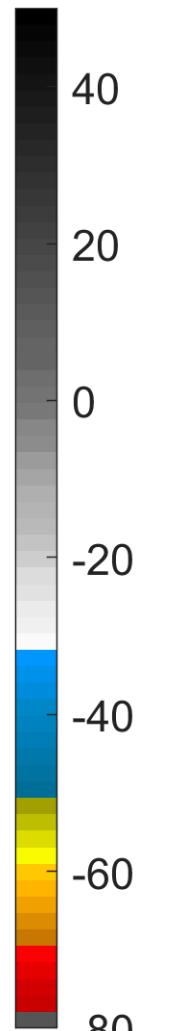
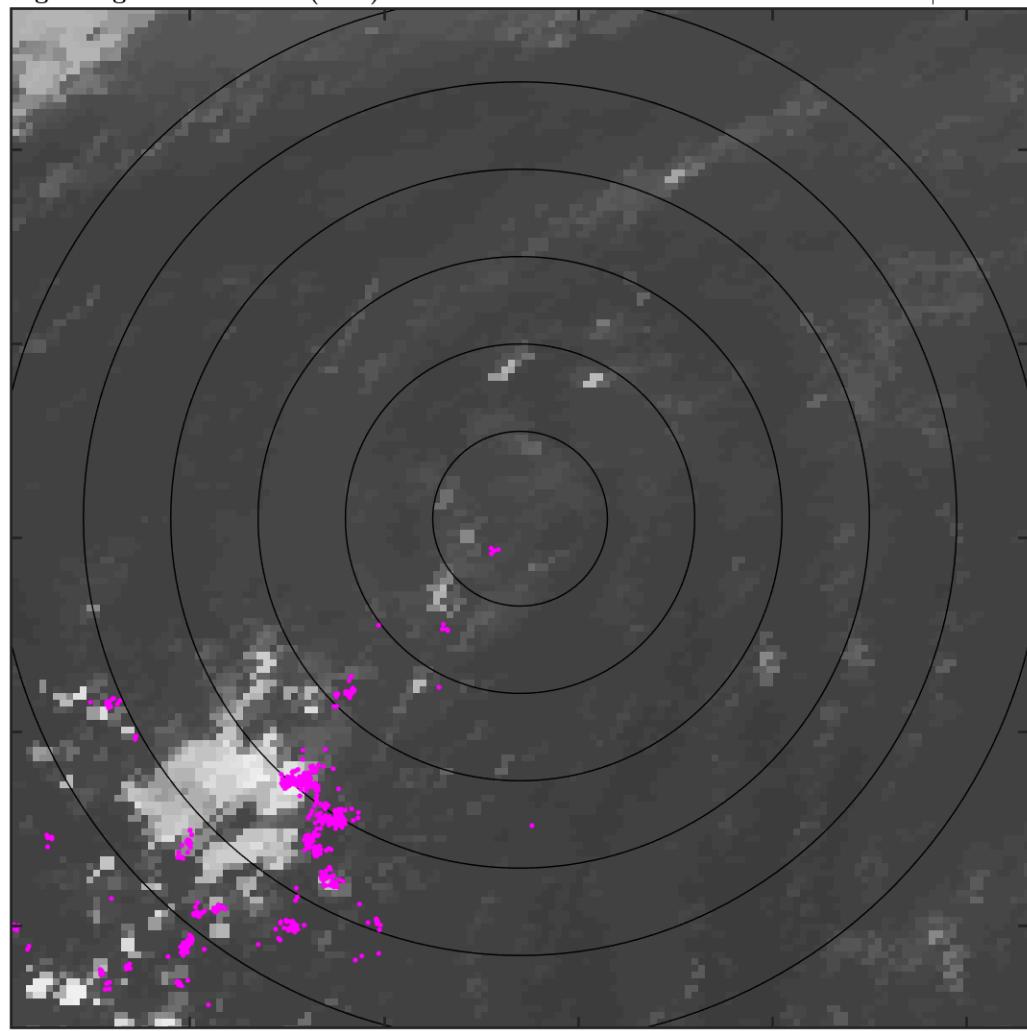
-46

-44

-42

-40

Longitude



6-h IR BT Differences & Lightning

Δt : 2019082603 (0 LT) - 2019082521 (18.1 LT)

Lightning: 0 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-48

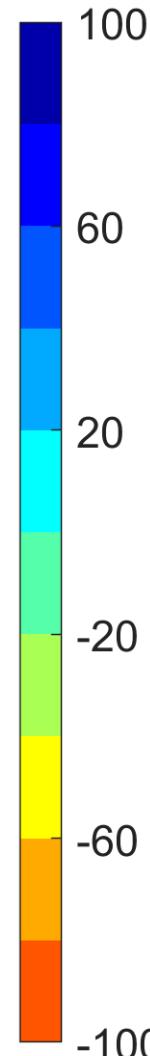
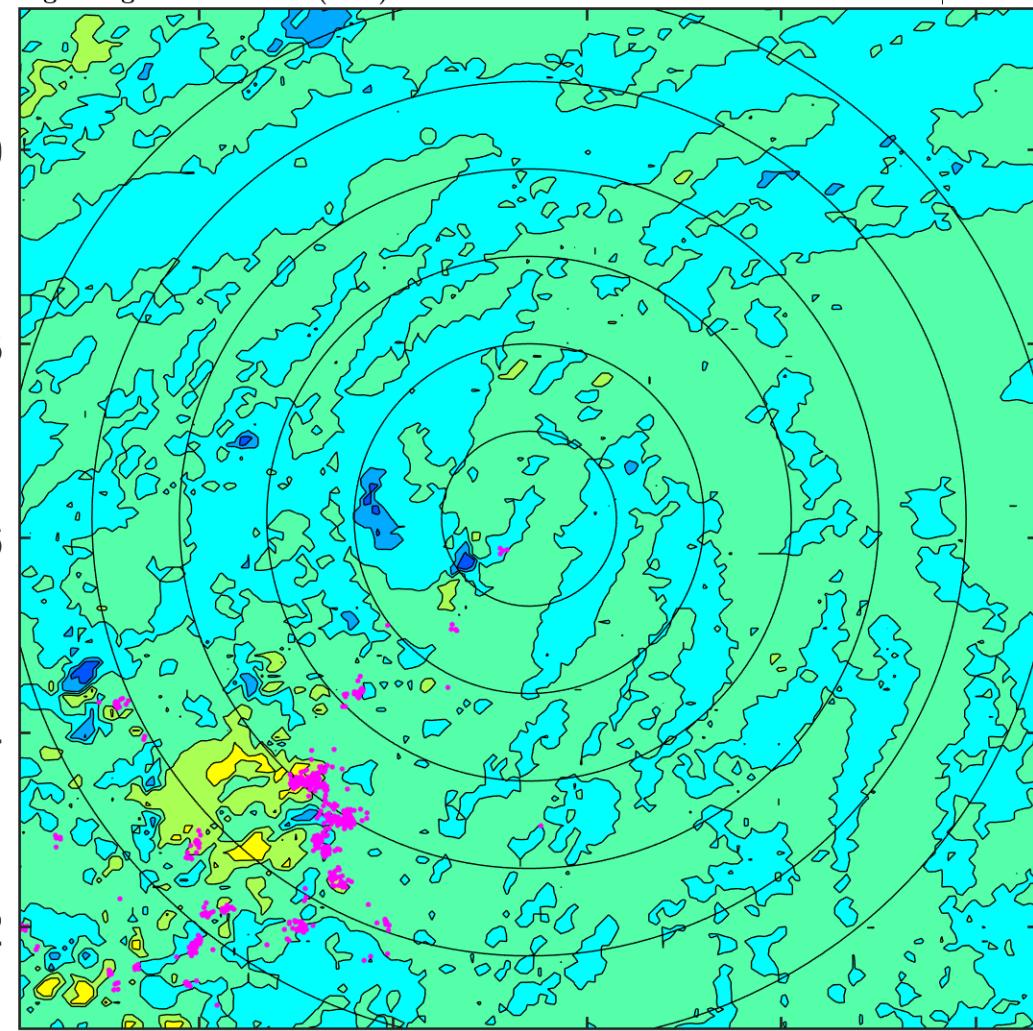
-46

-44

-42

-40

Longitude



IR BT & Lightning

t: 2019082606 (3 LT)

Lightning: 3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

34

32

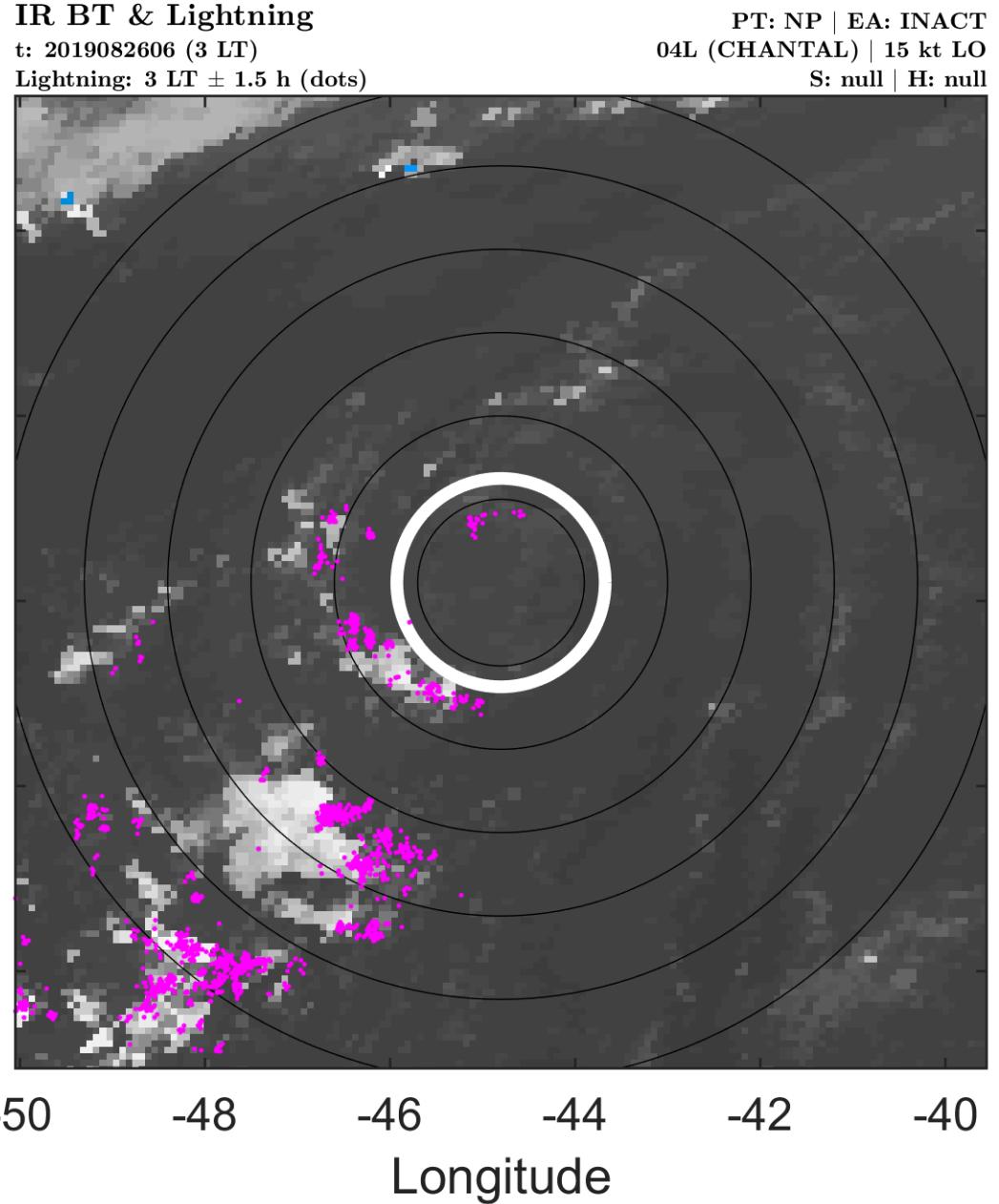
-50

-48

-46 -44

-42 -40

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082606 (3 LT) - 2019082600 (21 LT)

Lightning: 3 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-50

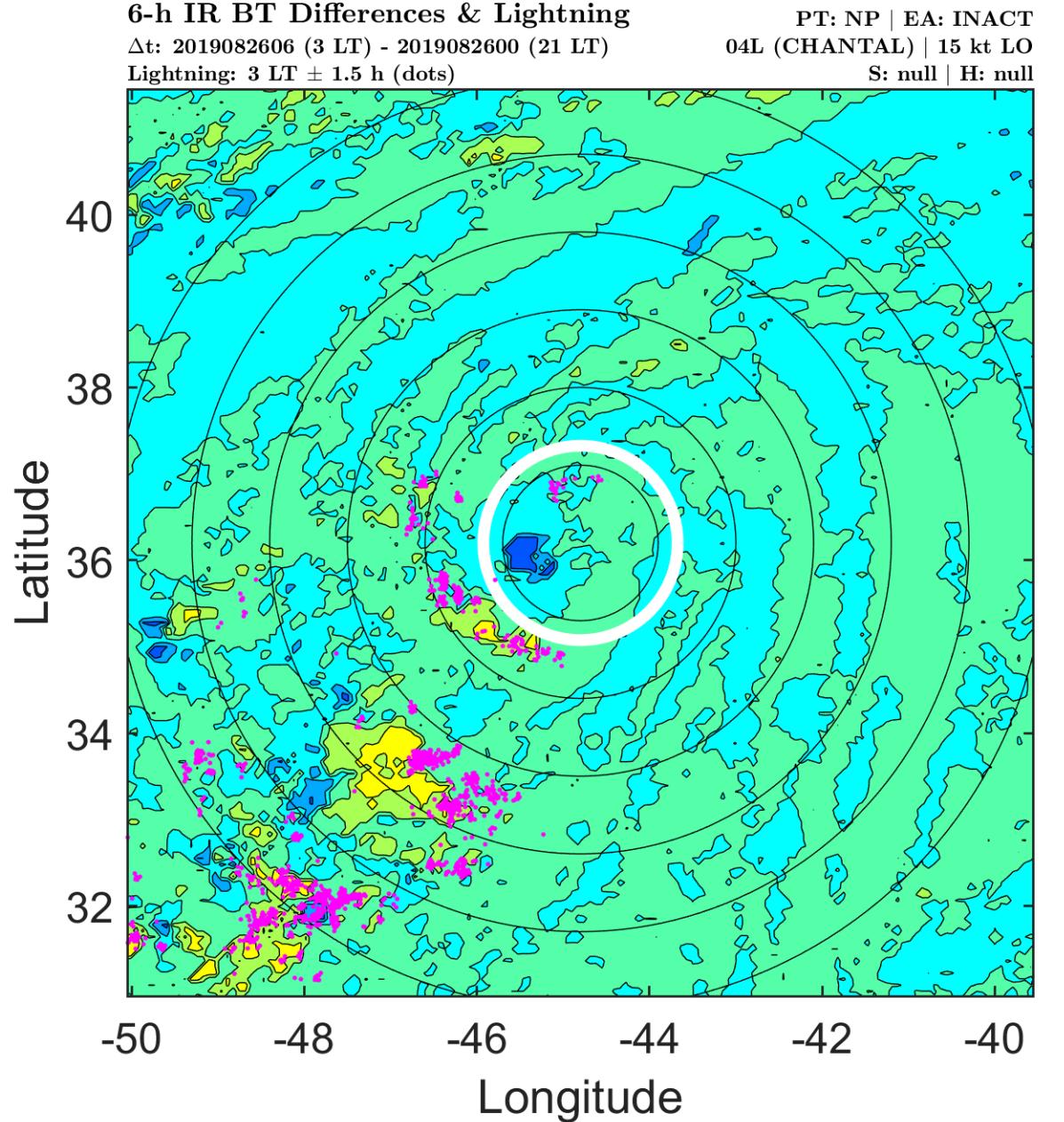
-48

-46 -44

-42

-40

Longitude



Two vertical color bars are shown on the right side of the figure. The left bar corresponds to the BT scale, ranging from -80 (dark gray) to 40 (black). The right bar corresponds to the 6-hour BT difference scale, ranging from -100 (red) to 100 (dark blue).

IR BT & Lightning

t: 2019082609 (6 LT)

Lightning: 6 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-50

-48

-46 -44

-42

-40

Longitude



40
20
0
-20
-40
-60
-80

6-h IR BT Differences & Lightning

Δt: 2019082609 (6 LT) - 2019082603 (0 LT)

Lightning: 6 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-50

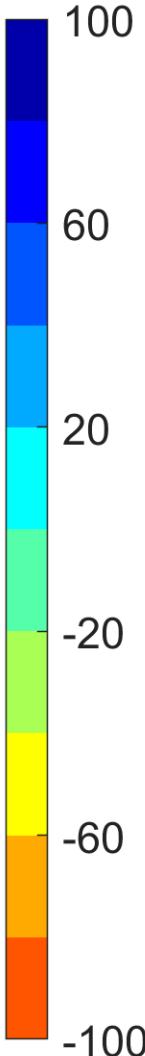
-48

-46 -44

-42

-40

Longitude



100
60
20
-20
-60
-100

IR BT & Lightning

t: 2019082612 (9 LT)

Lightning: 9 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

34

32

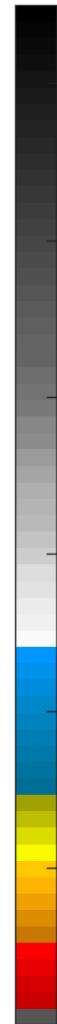
-50

-48

-46 -44

-42 -40

Longitude



6-h IR BT Differences & Lightning

Δt: 2019082612 (9 LT) - 2019082606 (3 LT)

Lightning: 9 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

40

38

36

34

32

-50

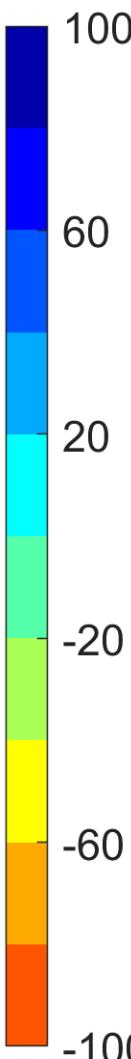
-48

-46 -44

-42

-40

Longitude



IR BT & Lightning

t: 2019082615 (12 LT)

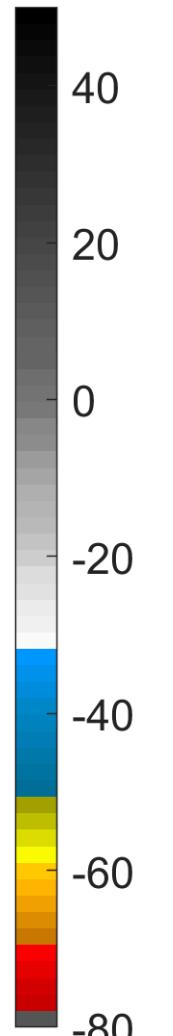
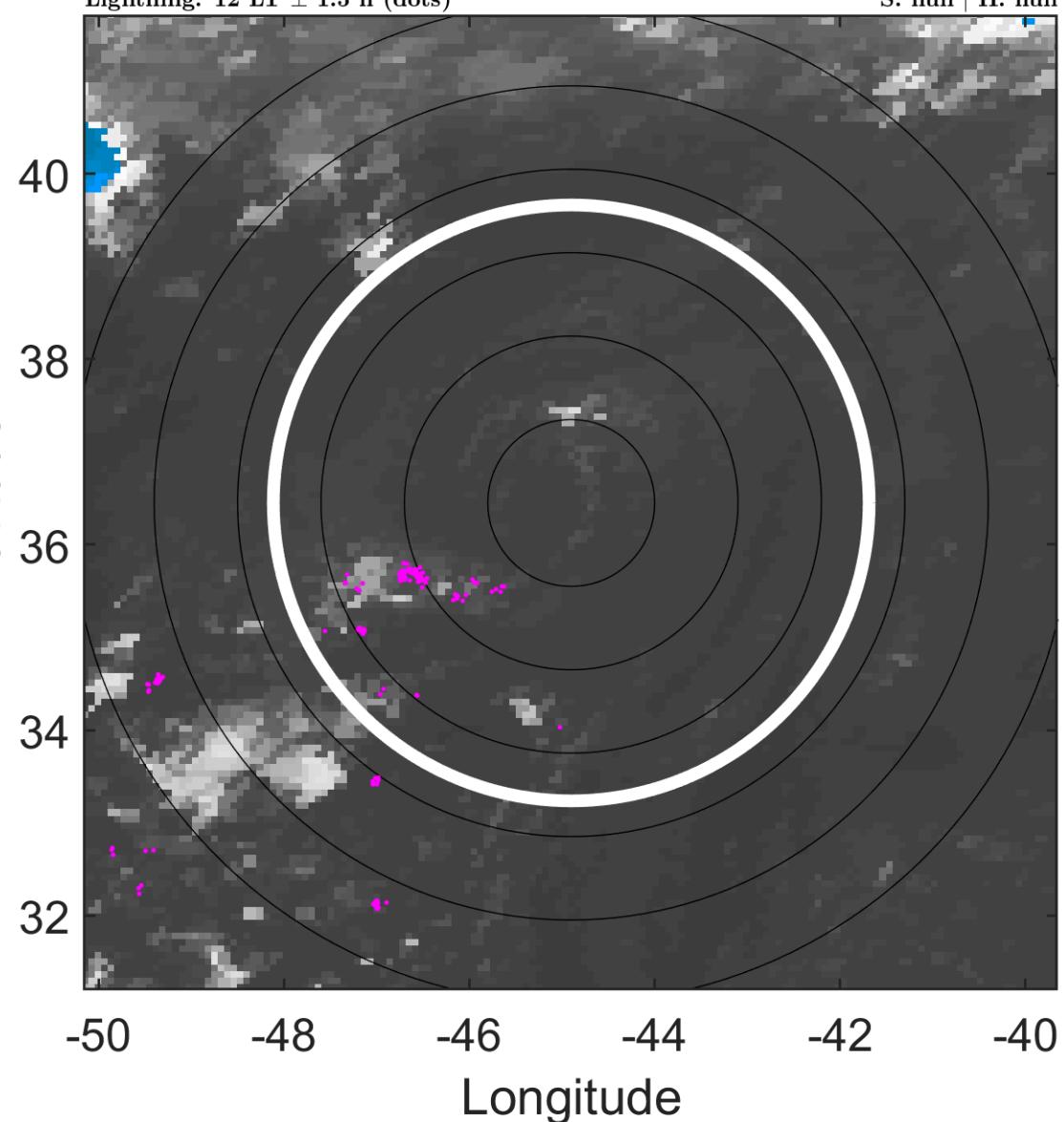
Lightning: 12 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude



6-h IR BT Differences & Lightning

Δt : 2019082615 (12 LT) - 2019082609 (6 LT)

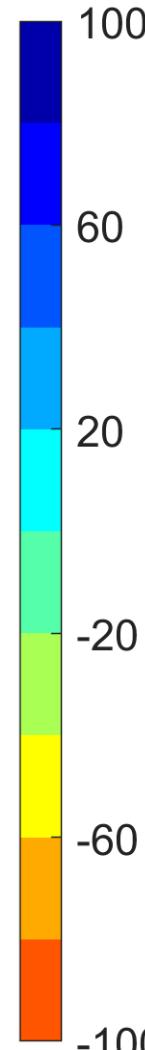
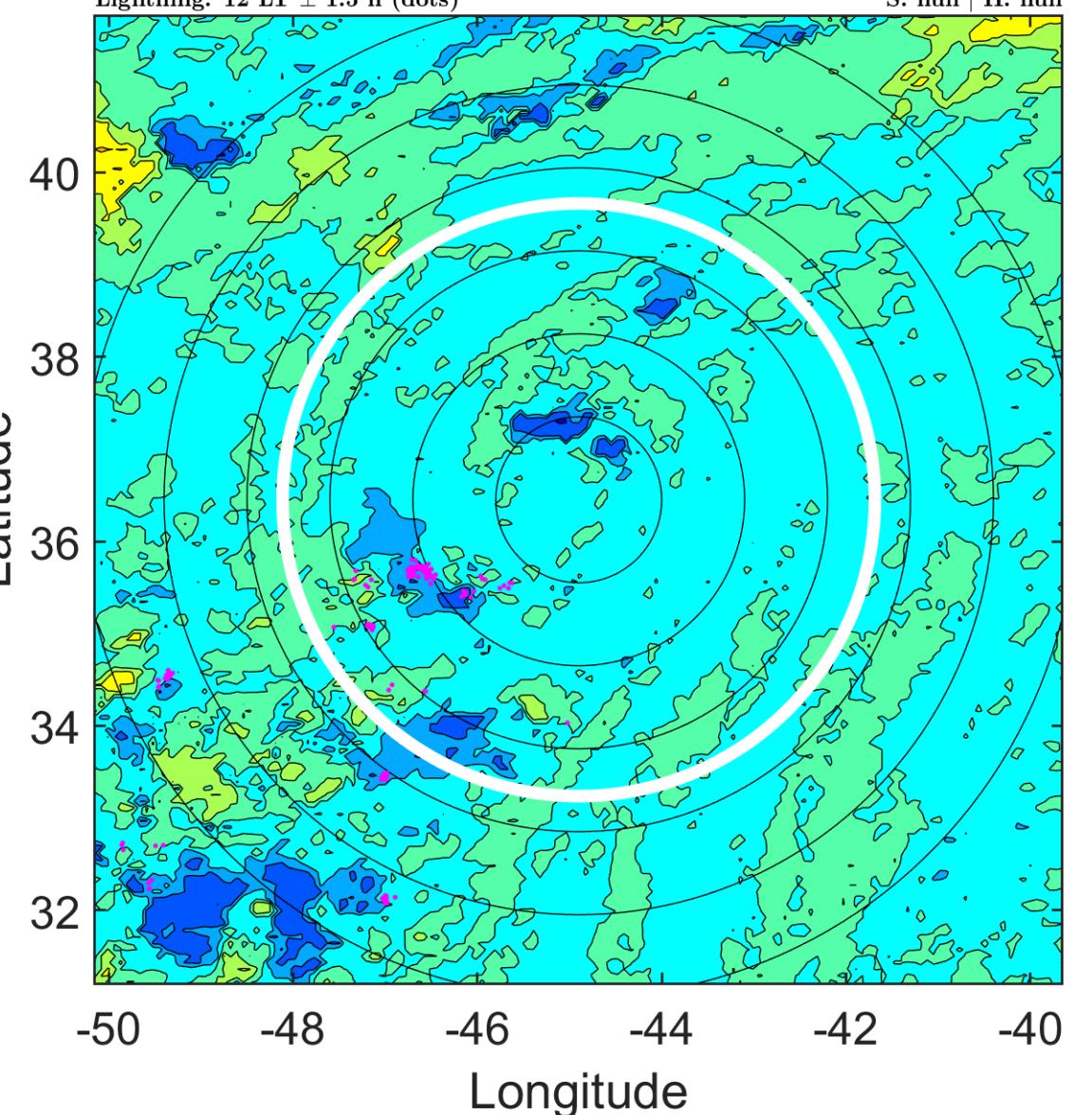
Lightning: 12 LT \pm 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude



IR BT & Lightning

t: 2019082618 (15 LT)

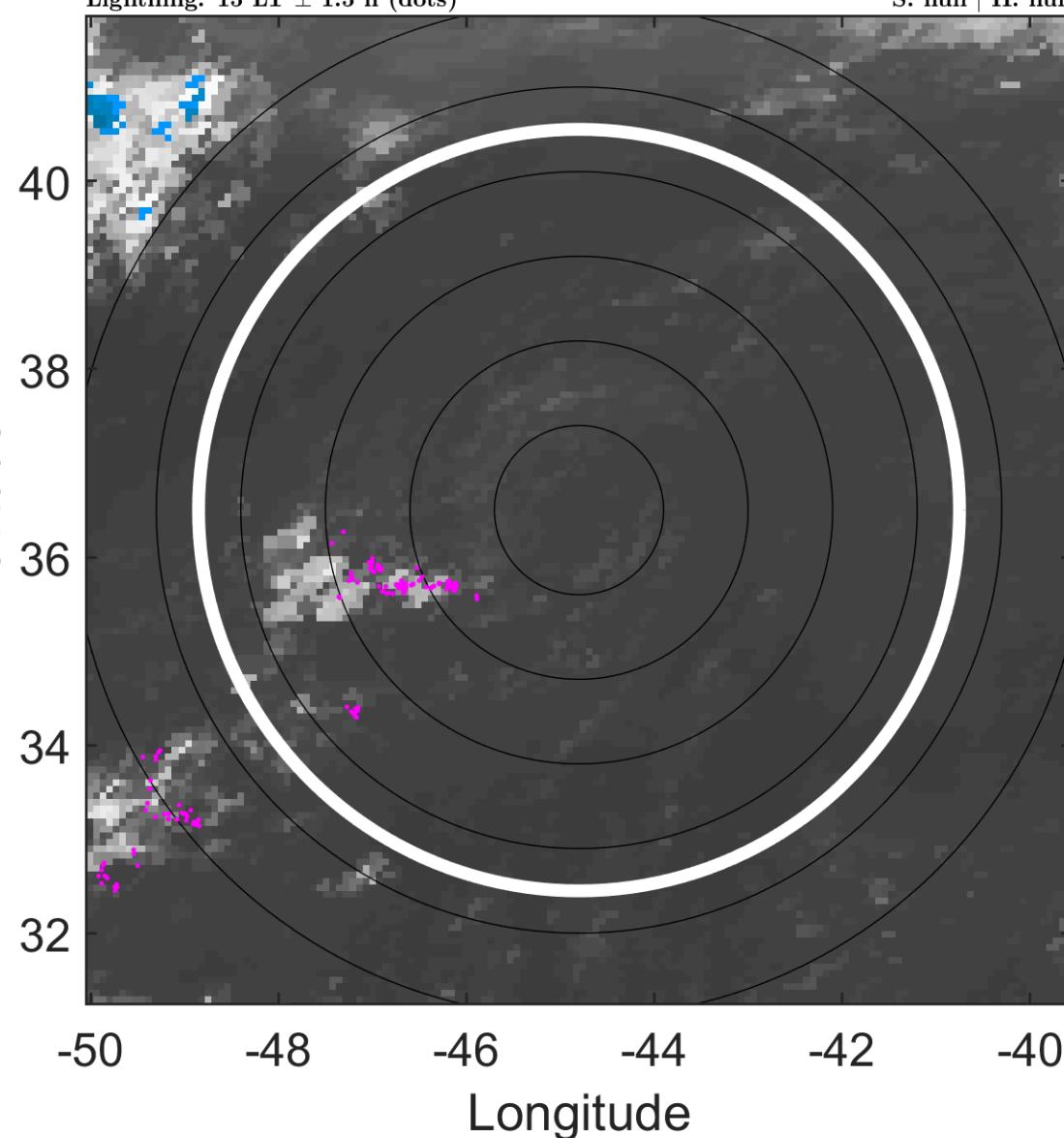
Lightning: 15 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude



6-h IR BT Differences & Lightning

Δt: 2019082618 (15 LT) - 2019082612 (9 LT)

Lightning: 15 LT ± 1.5 h (dots)

PT: NP | EA: INACT

04L (CHANTAL) | 15 kt LO

S: null | H: null

Latitude

