



National Transportation Safety Board

**Office of Aviation Safety
Washington, D.C. 20594-2000
April 19, 2017**

**ATTACHMENT 9 to the METEOROLOGY GROUP FACTUAL REPORT
DCA16LA214**

Storm top height data provided by the Cooperative Institute for Mesoscale Meteorological Studies.

*Submitted by: Mike Richards
NTSB, AS-30*

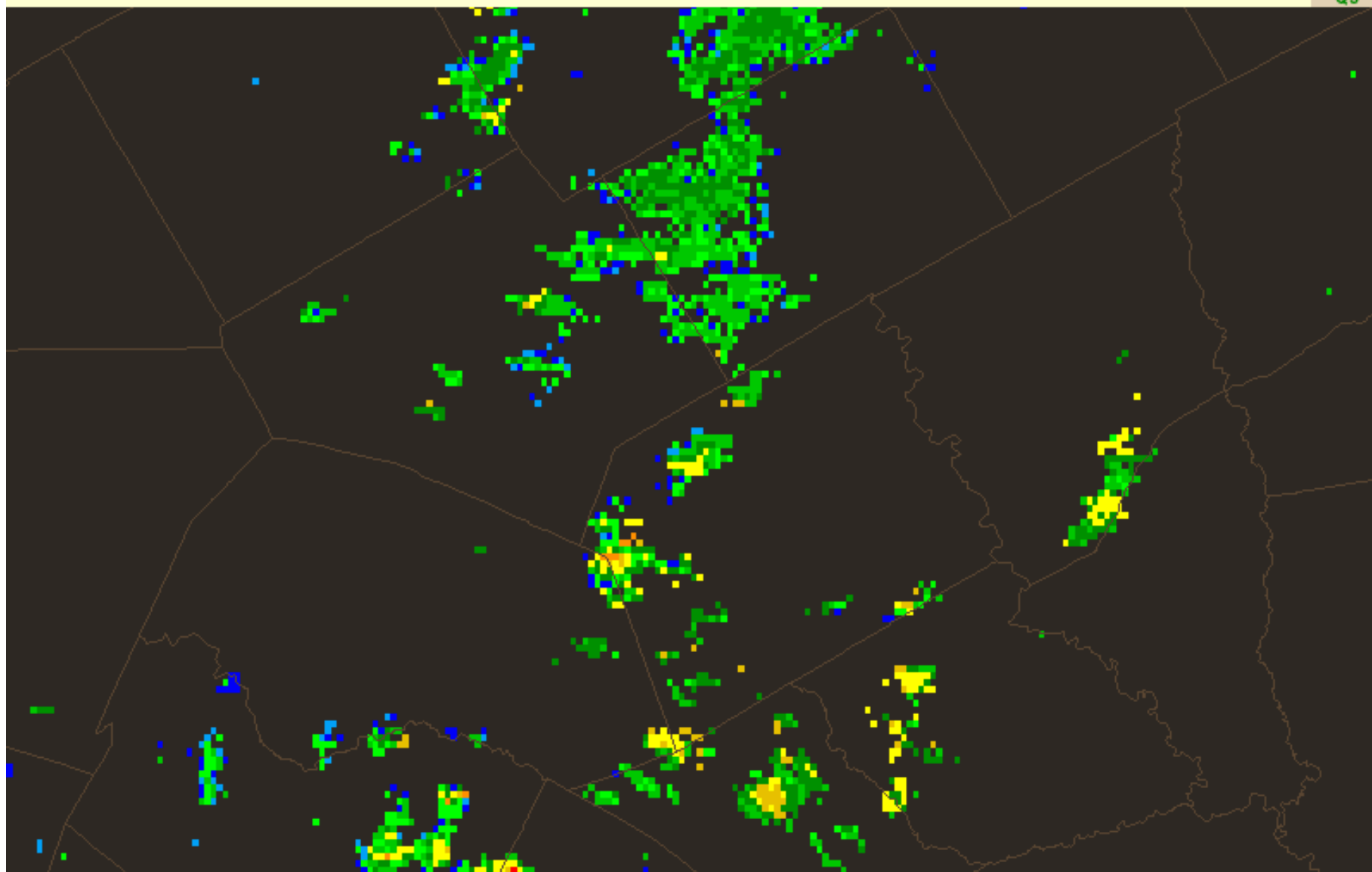
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 16:36:00 UTC

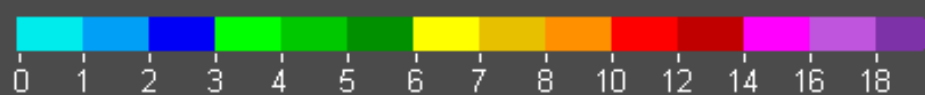


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 30.28 -95.976

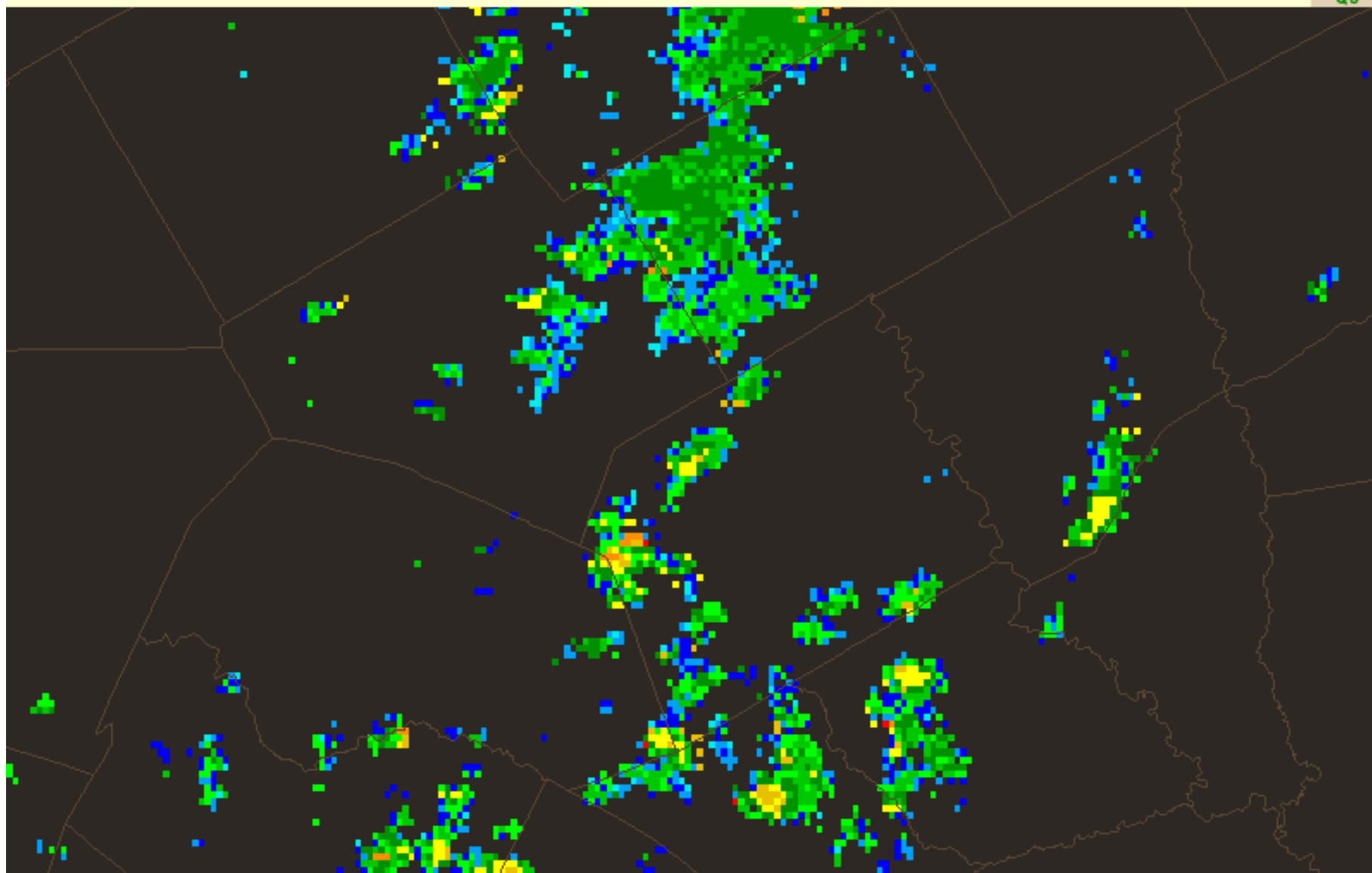
Storm Top Height [30 dBZ]

Derived From Mosaic3D

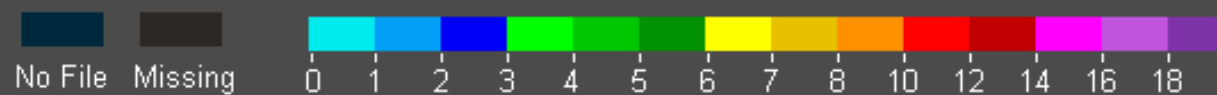
Valid: 08/17/2016 16:38:00 UTC



Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]



No File Missing

0 1 2 3 4 5 6 7 8 10 12 14 16 18

31.52
-98.27 30.28 -95.976

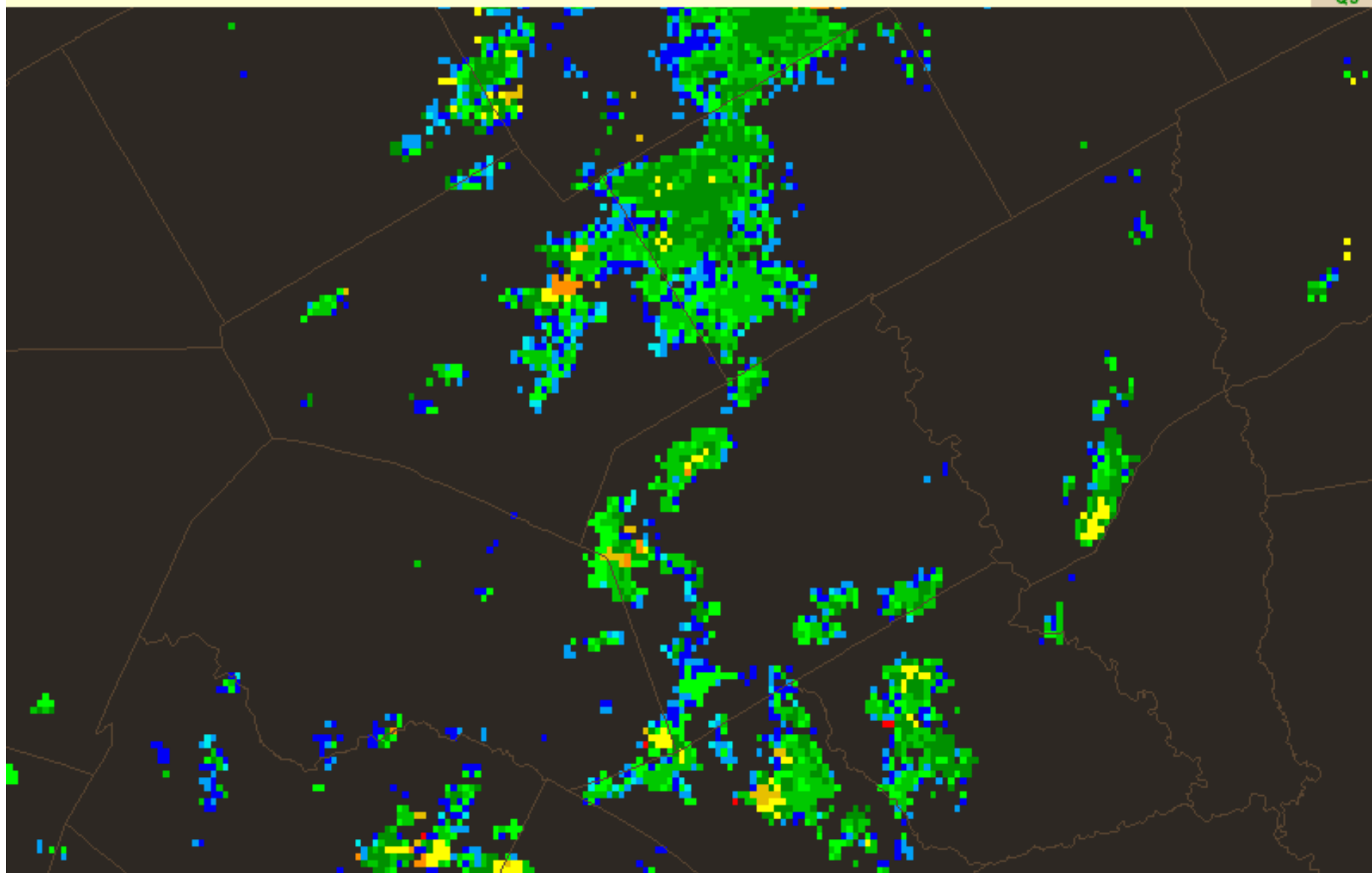
Storm Top Height [30 dBZ]

Derived From Mosaic3D

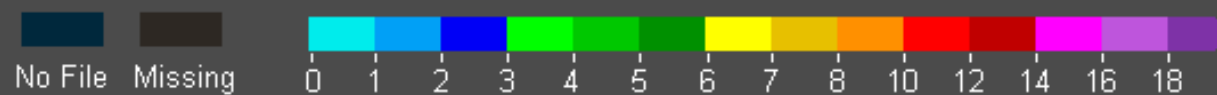
Valid: 08/17/2016 16:40:00 UTC



Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]



No File Missing

31.52
-98.27 30.28 -95.976

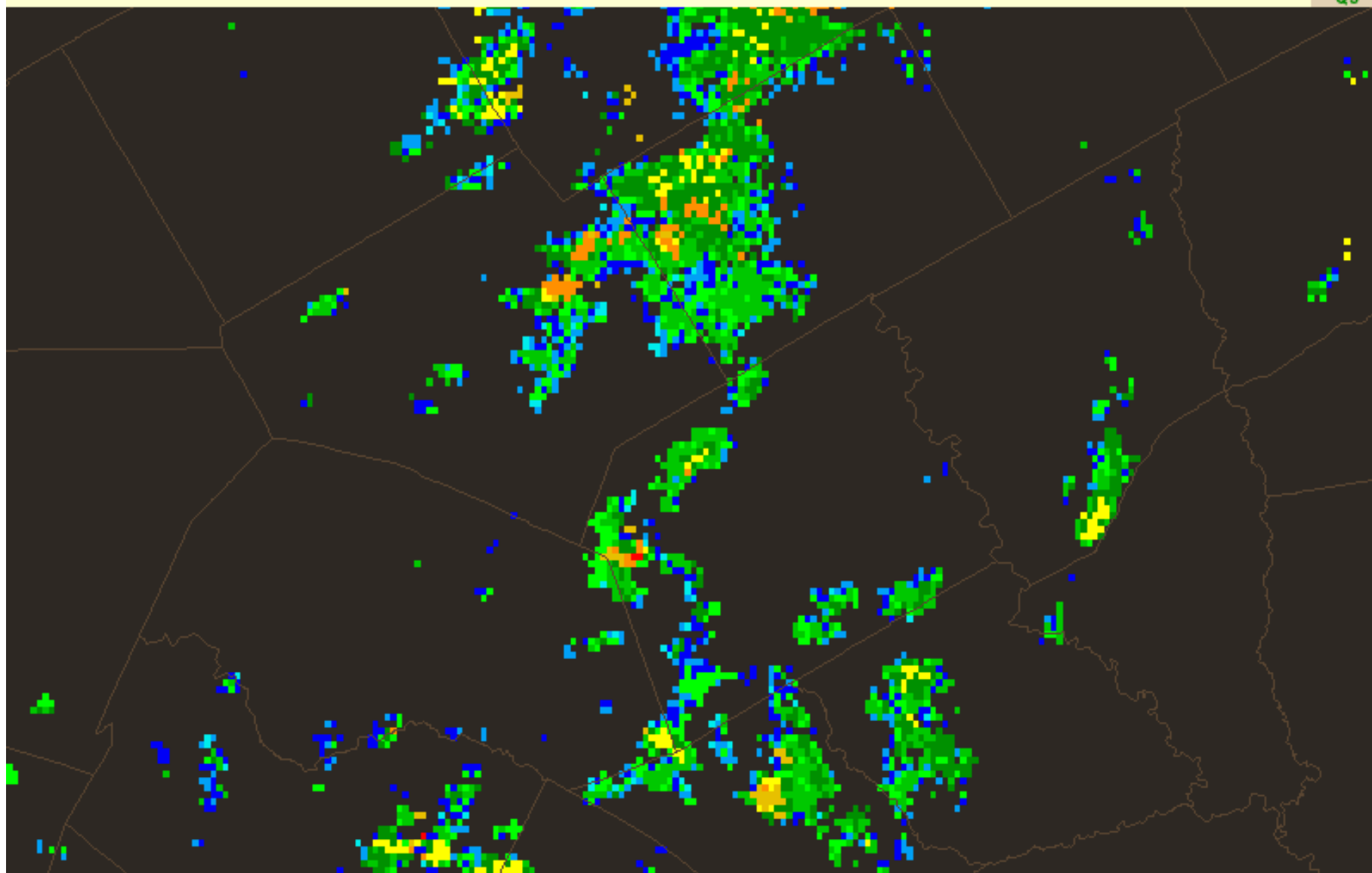
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 16:42:00 UTC

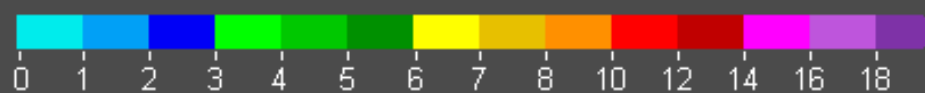


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 30.28 -95.976

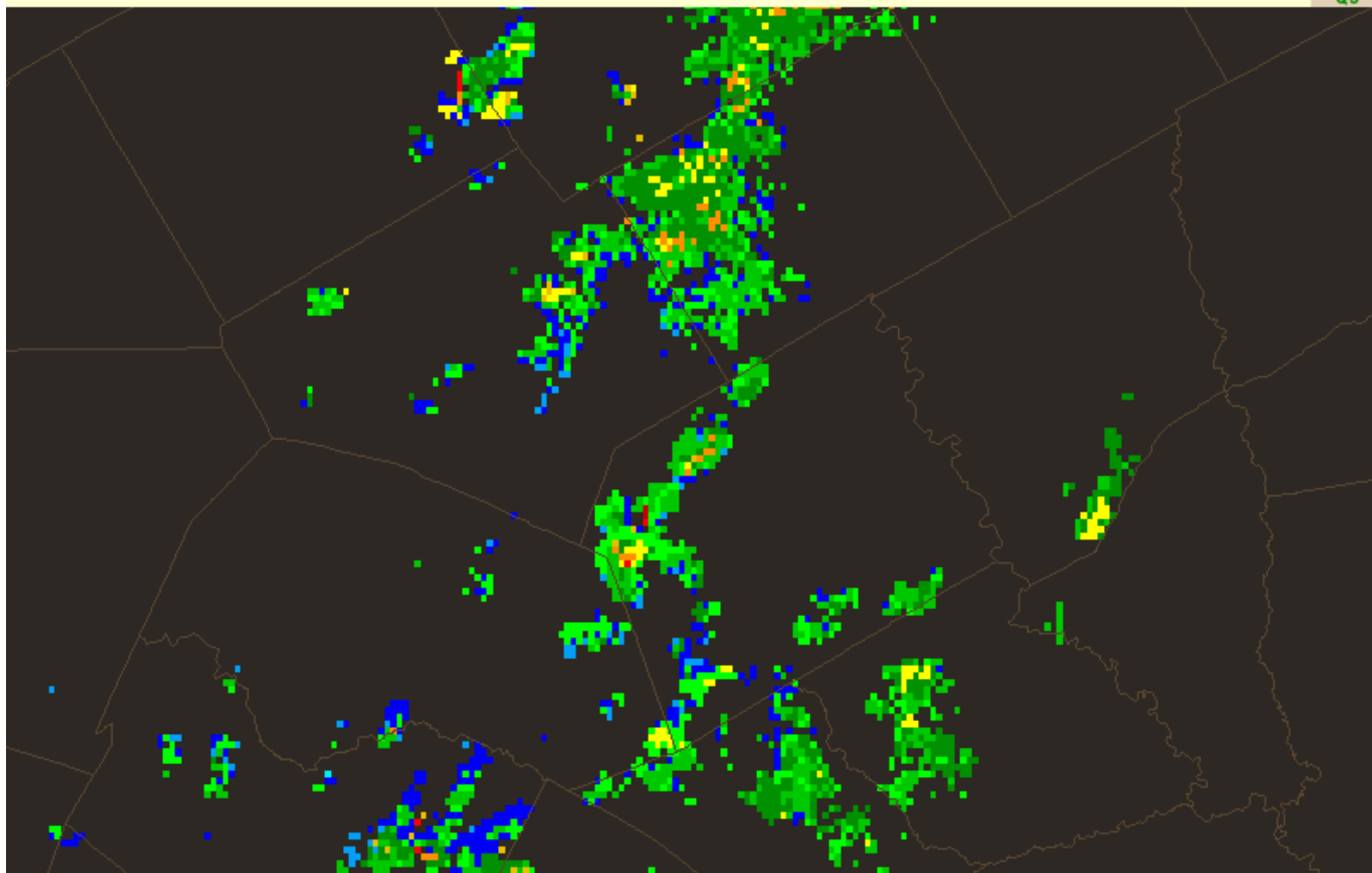
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 16:44:00 UTC

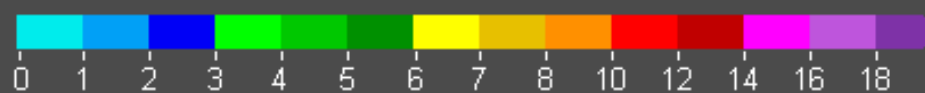


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 30.28 -95.976

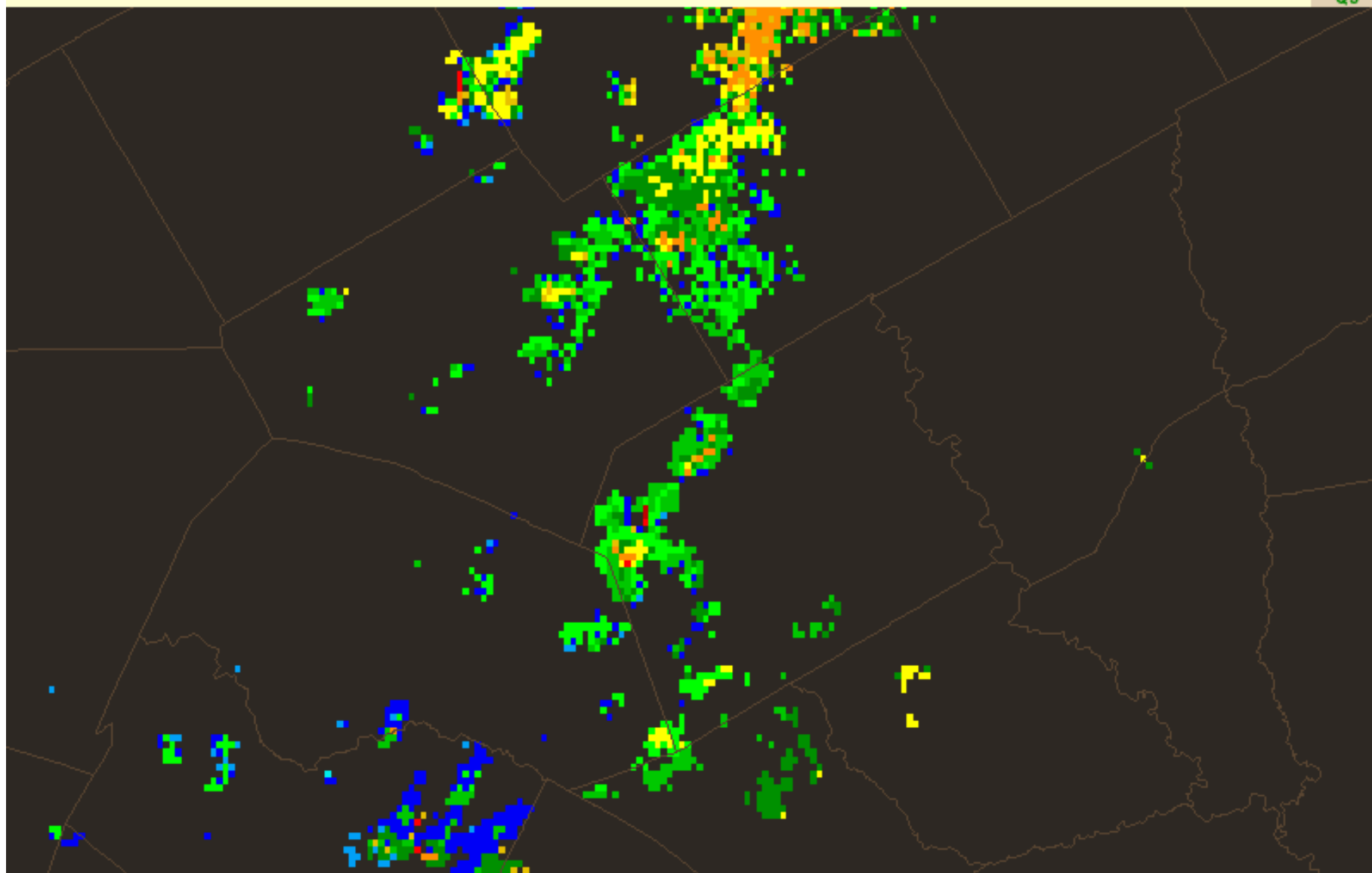
Storm Top Height [30 dBZ]

Derived From Mosaic3D

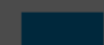
Valid: 08/17/2016 16:46:00 UTC



Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]



No File



Missing



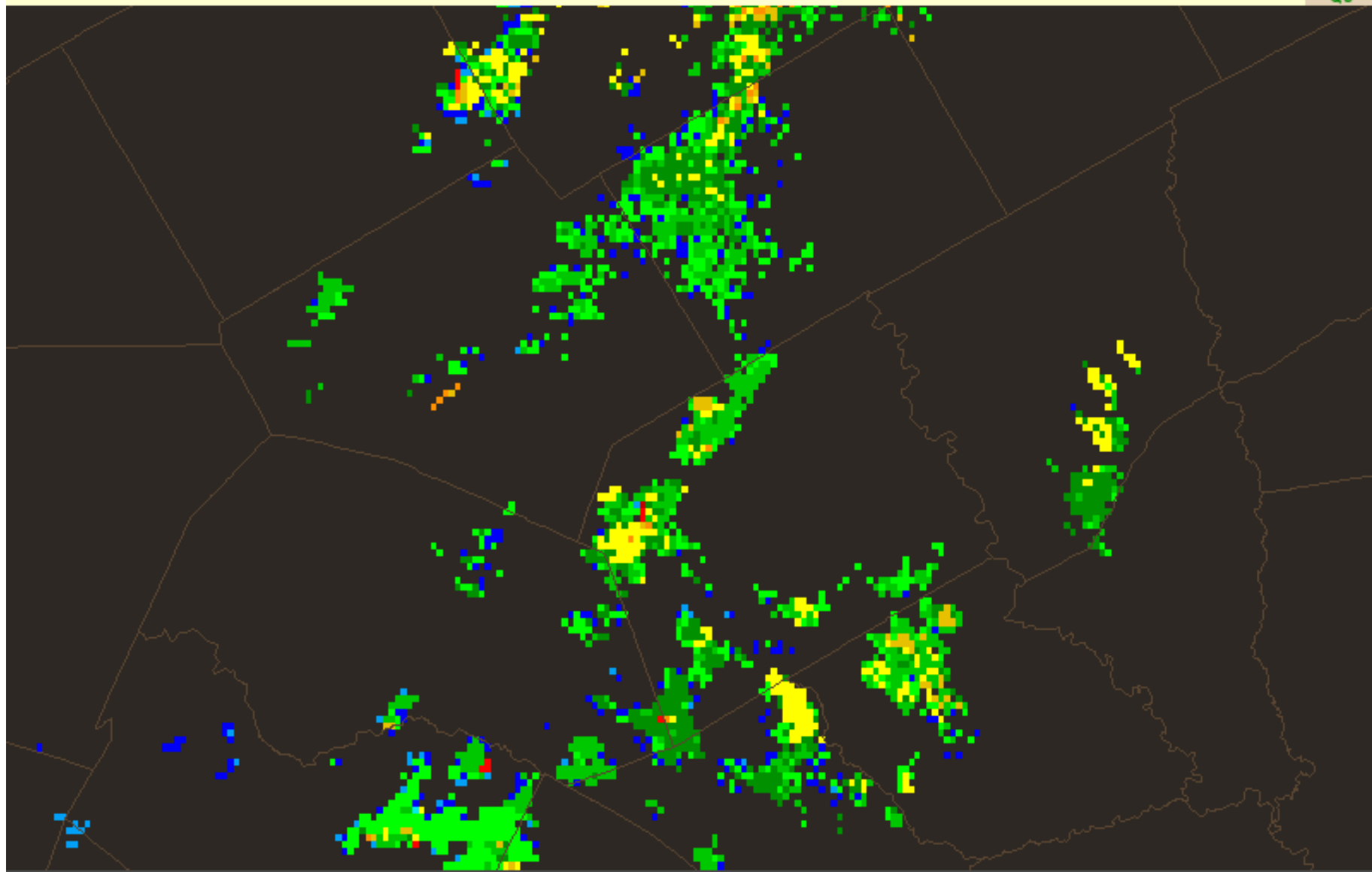
0 1 2 3 4 5 6 7 8 10 12 14 16 18

31.52
-98.27 30.28 -95.976

Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 16:48:00 UTC



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 30.28 -95.976

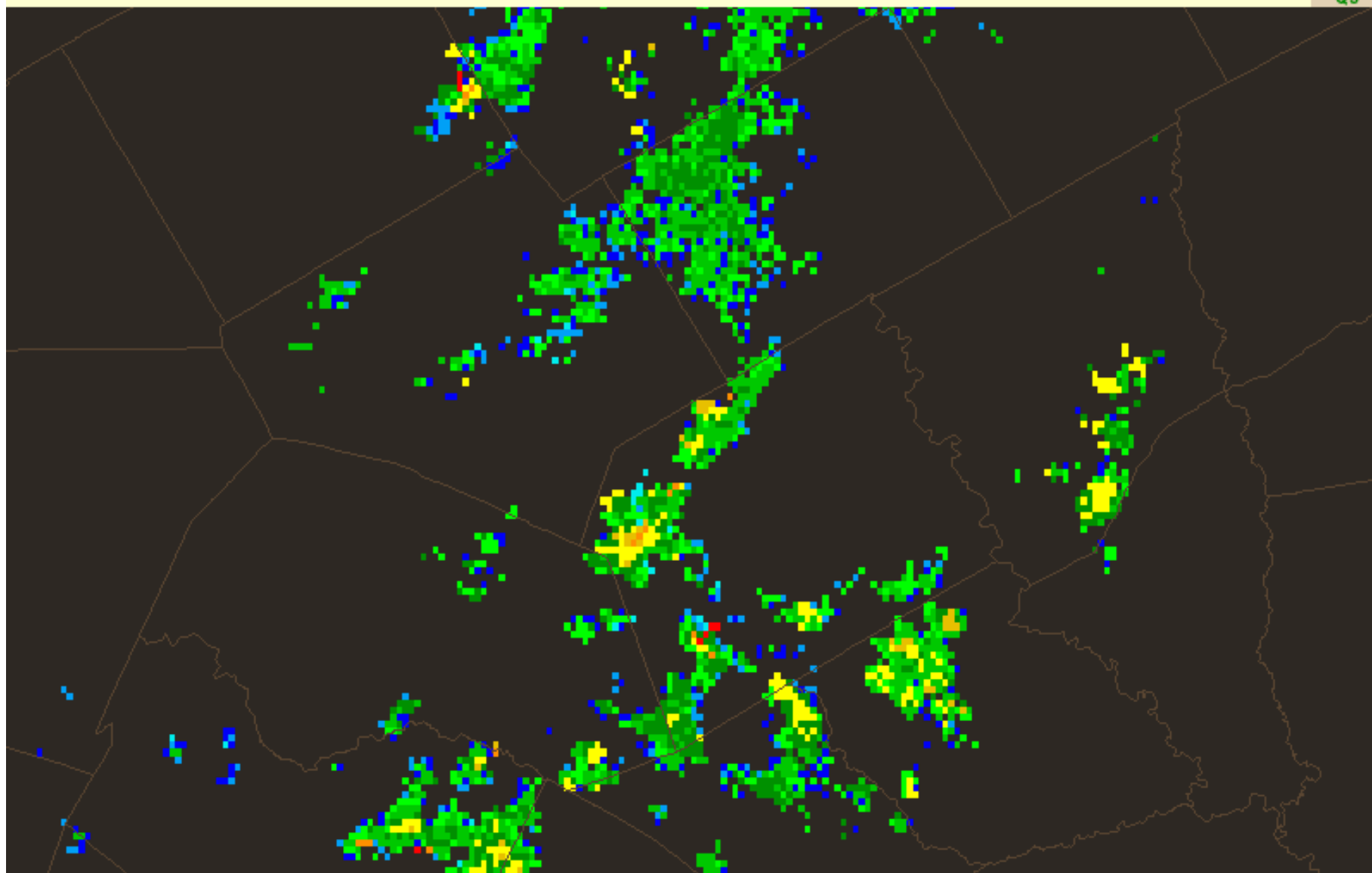
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 16:50:00 UTC

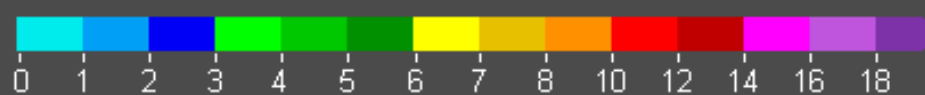


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 30.28 -95.976

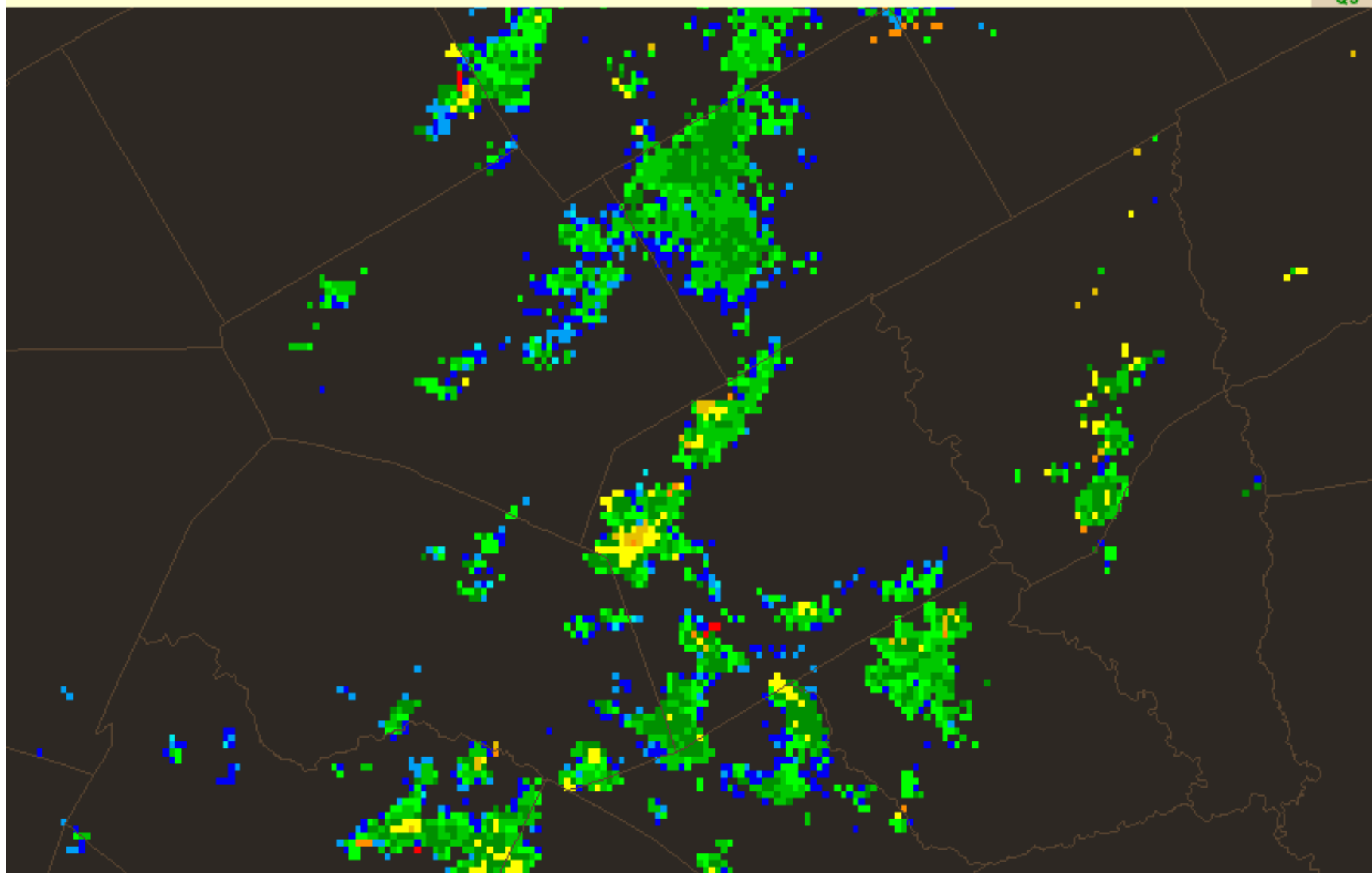
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 16:52:00 UTC

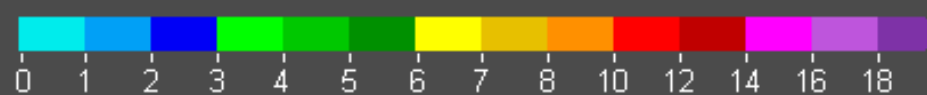


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File
Missing



31.52
-98.27 30.28 -95.976

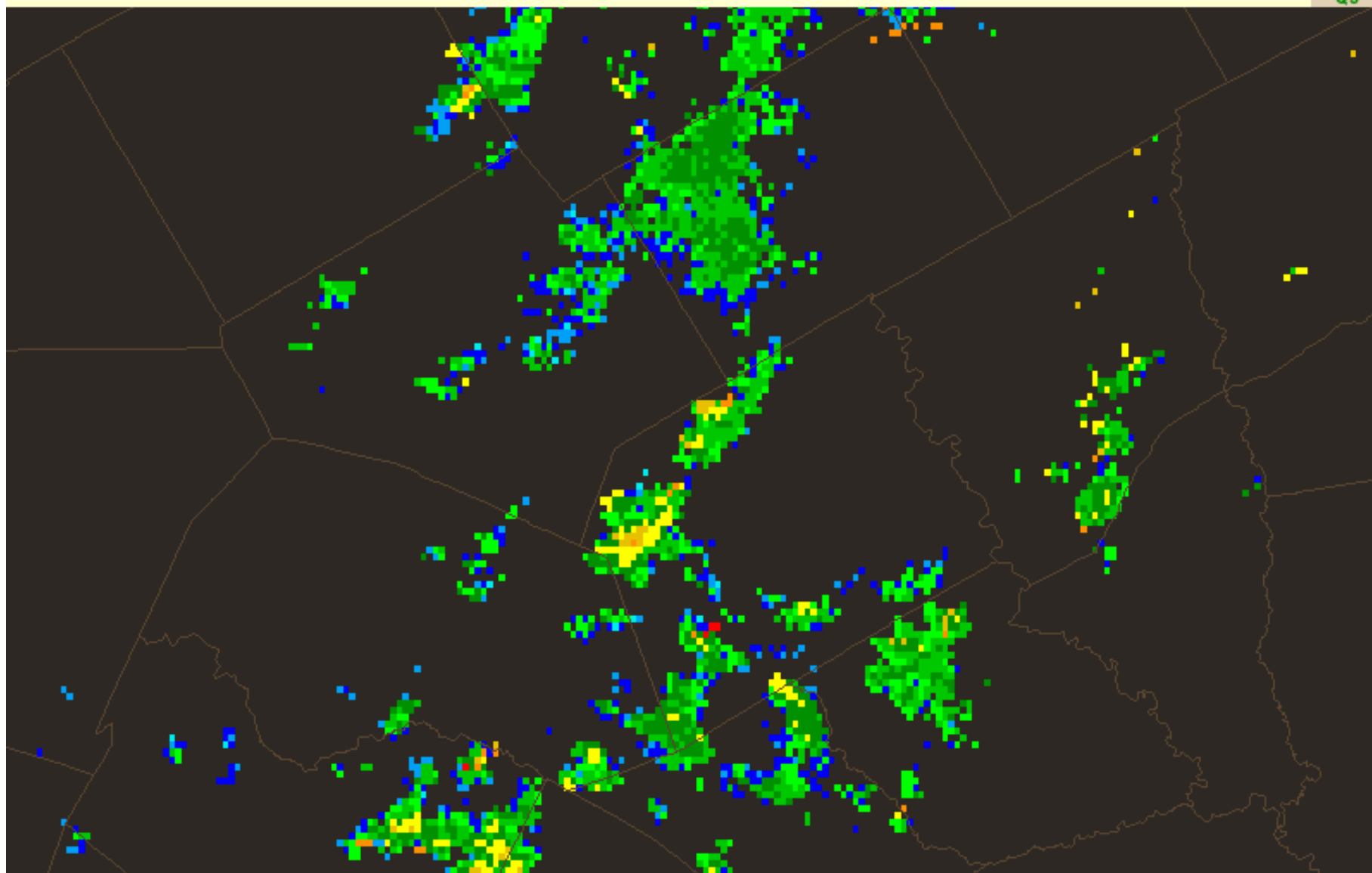
Storm Top Height [30 dBZ]

Derived From Mosaic3D

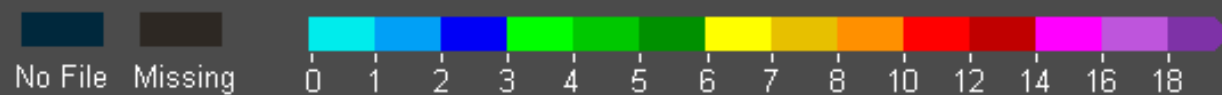
Valid: 08/17/2016 16:54:00 UTC



Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]



31.52
-98.27 30.28 -95.976

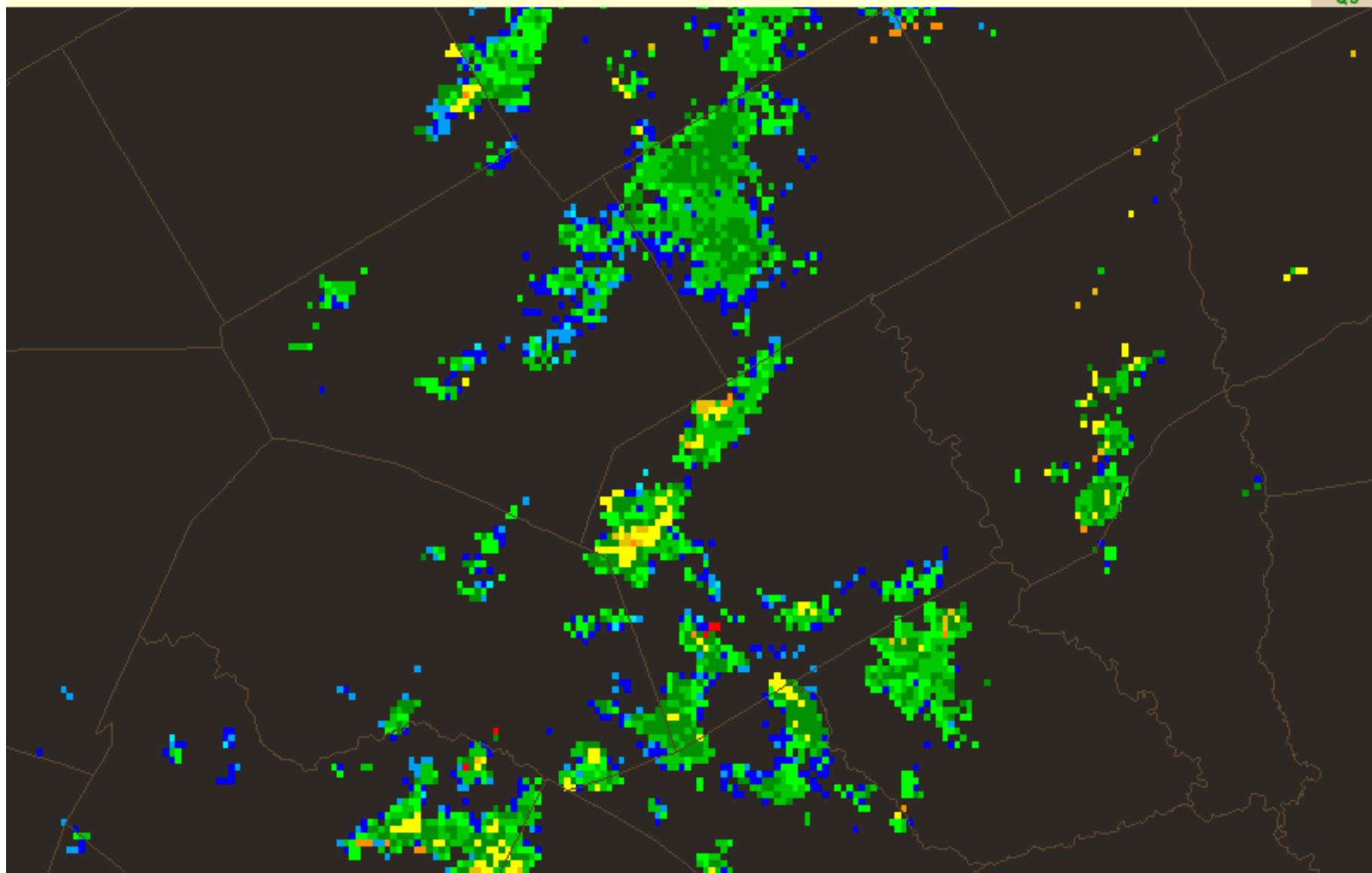
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 16:56:00 UTC

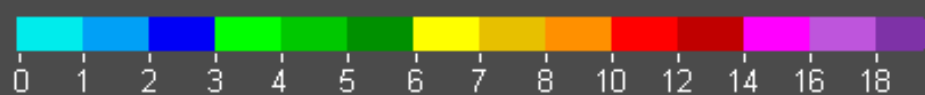


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 30.28 -95.976

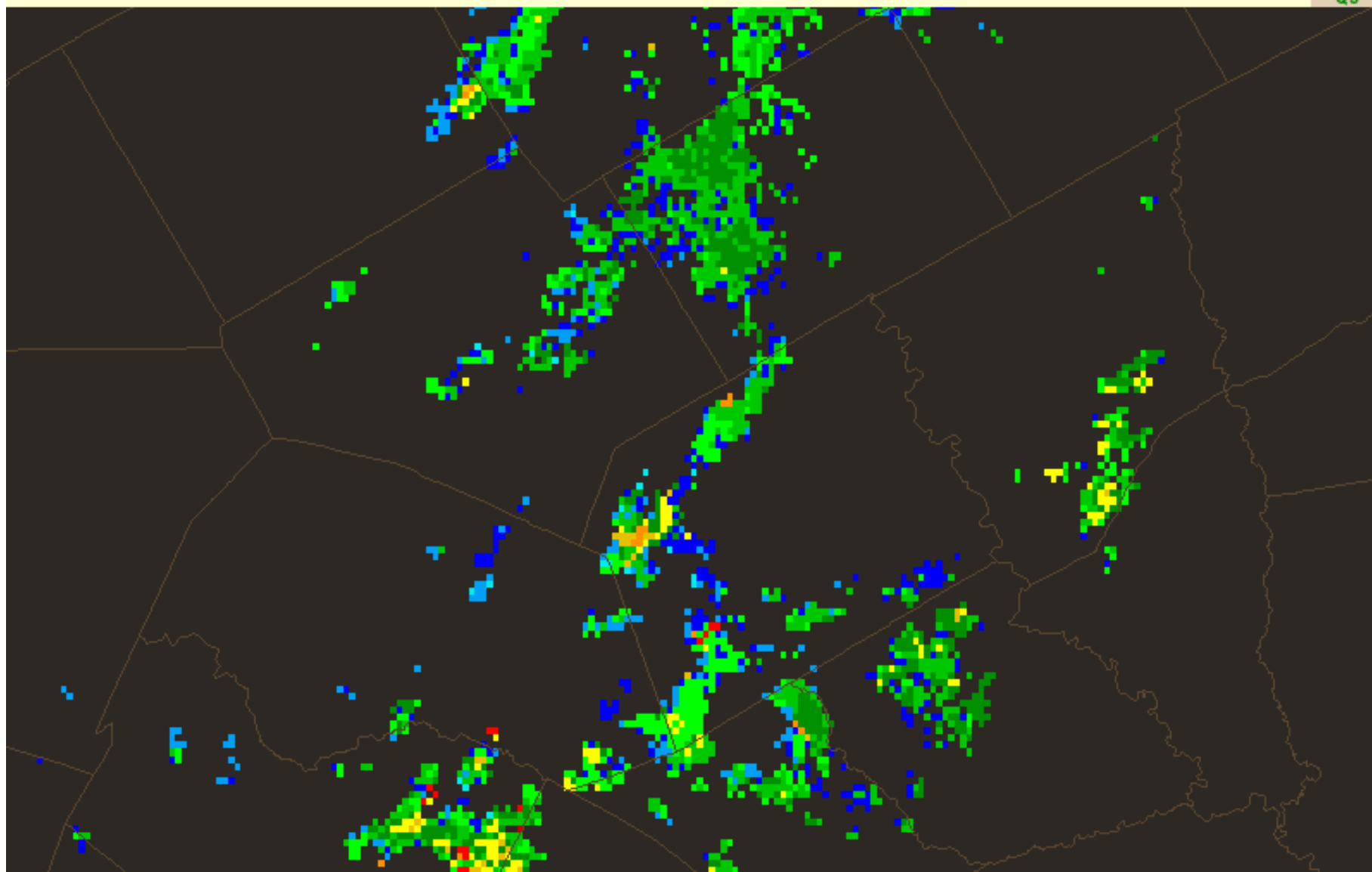
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 16:58:00 UTC

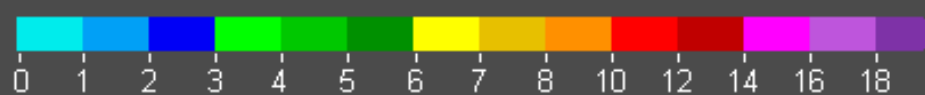


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 30.28 -95.976

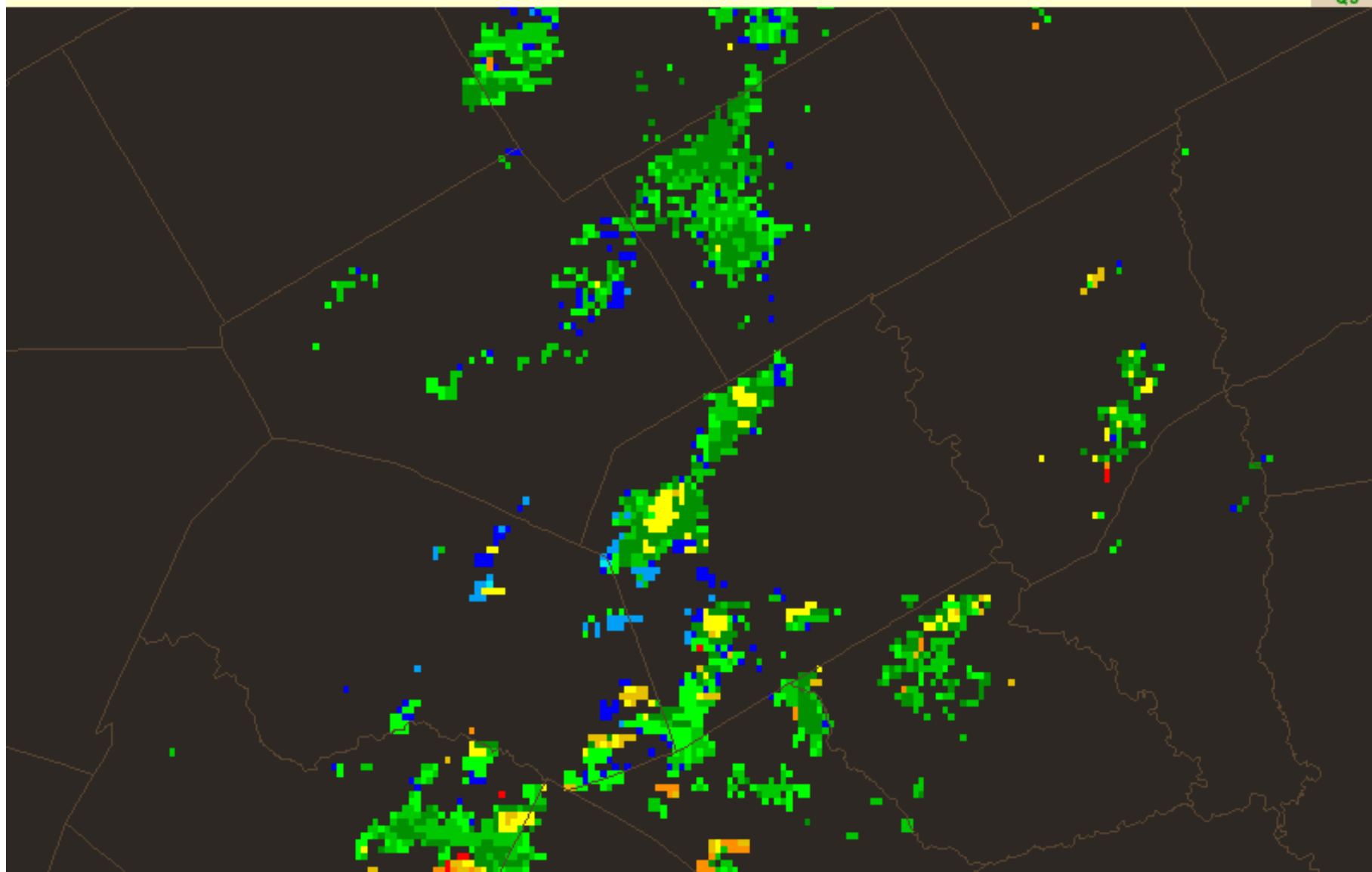
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 17:00:00 UTC



Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 -95.976
30.28

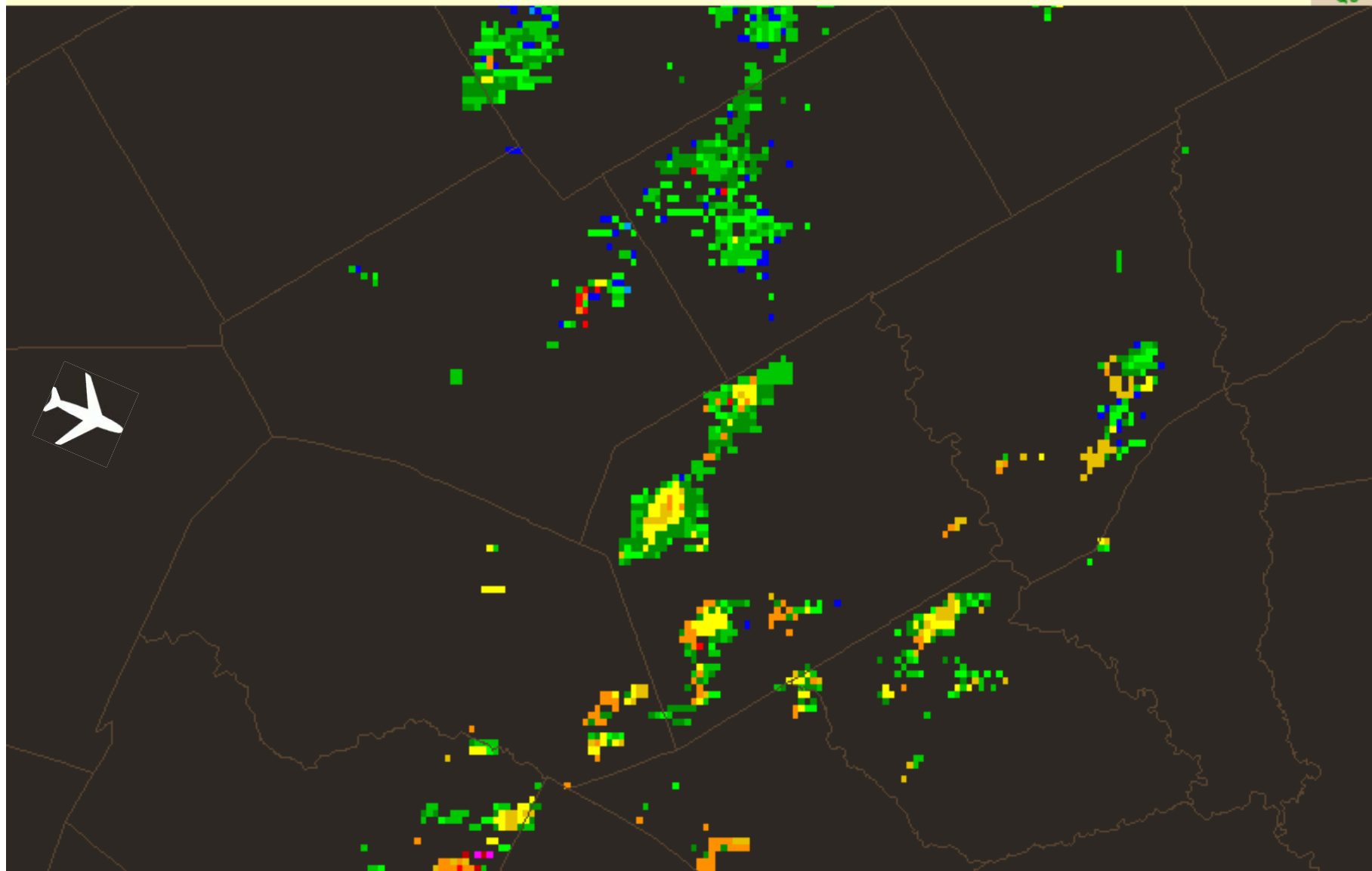
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 17:02:00 UTC

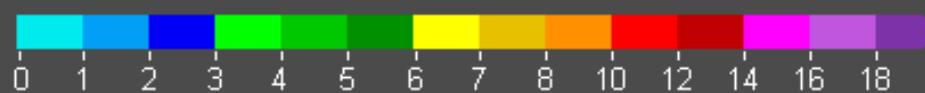


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 30.28 -95.976

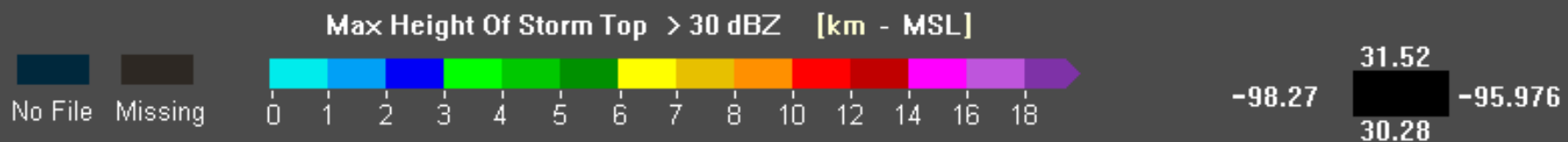
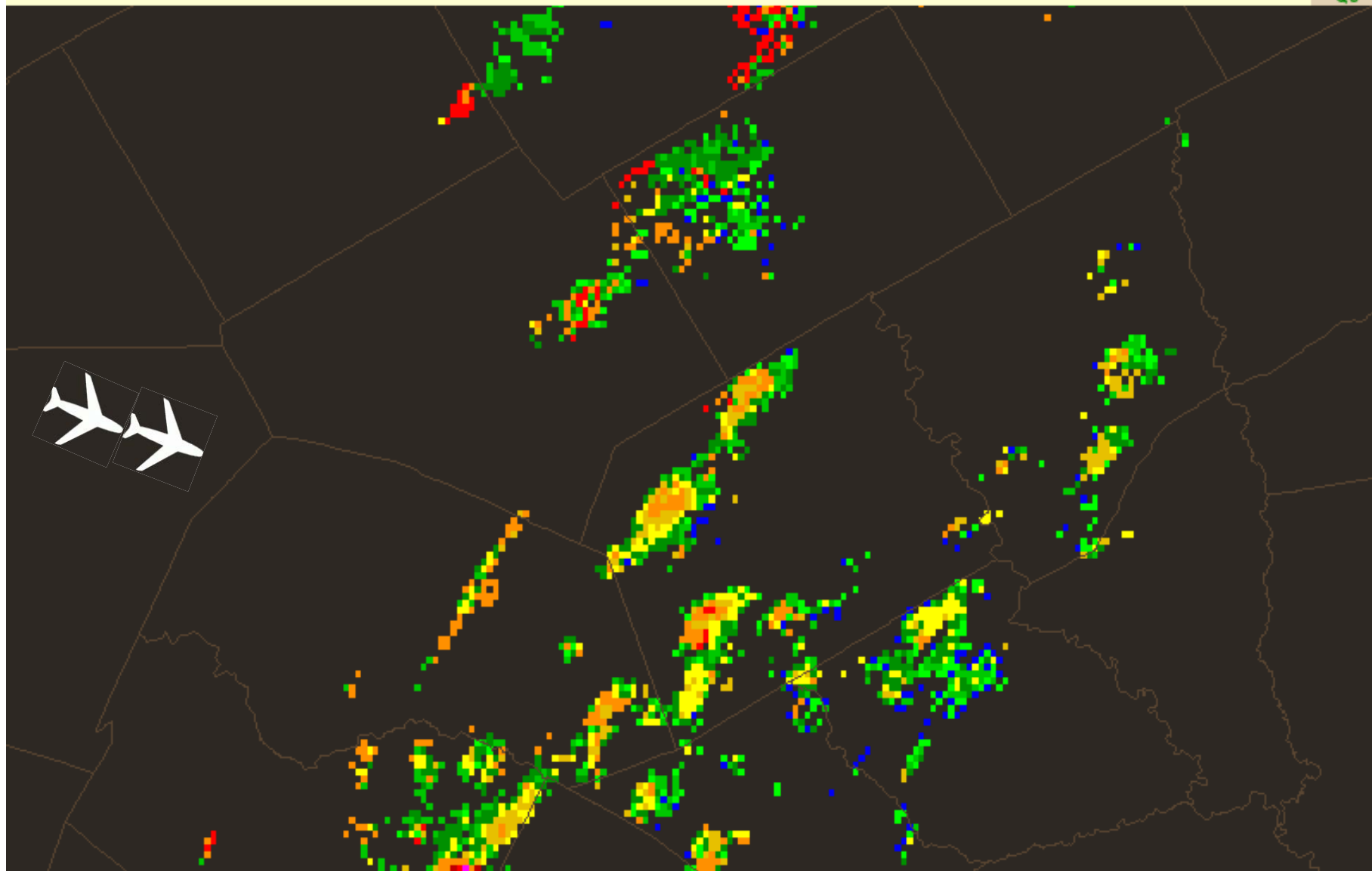
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 17:04:00 UTC



Q3



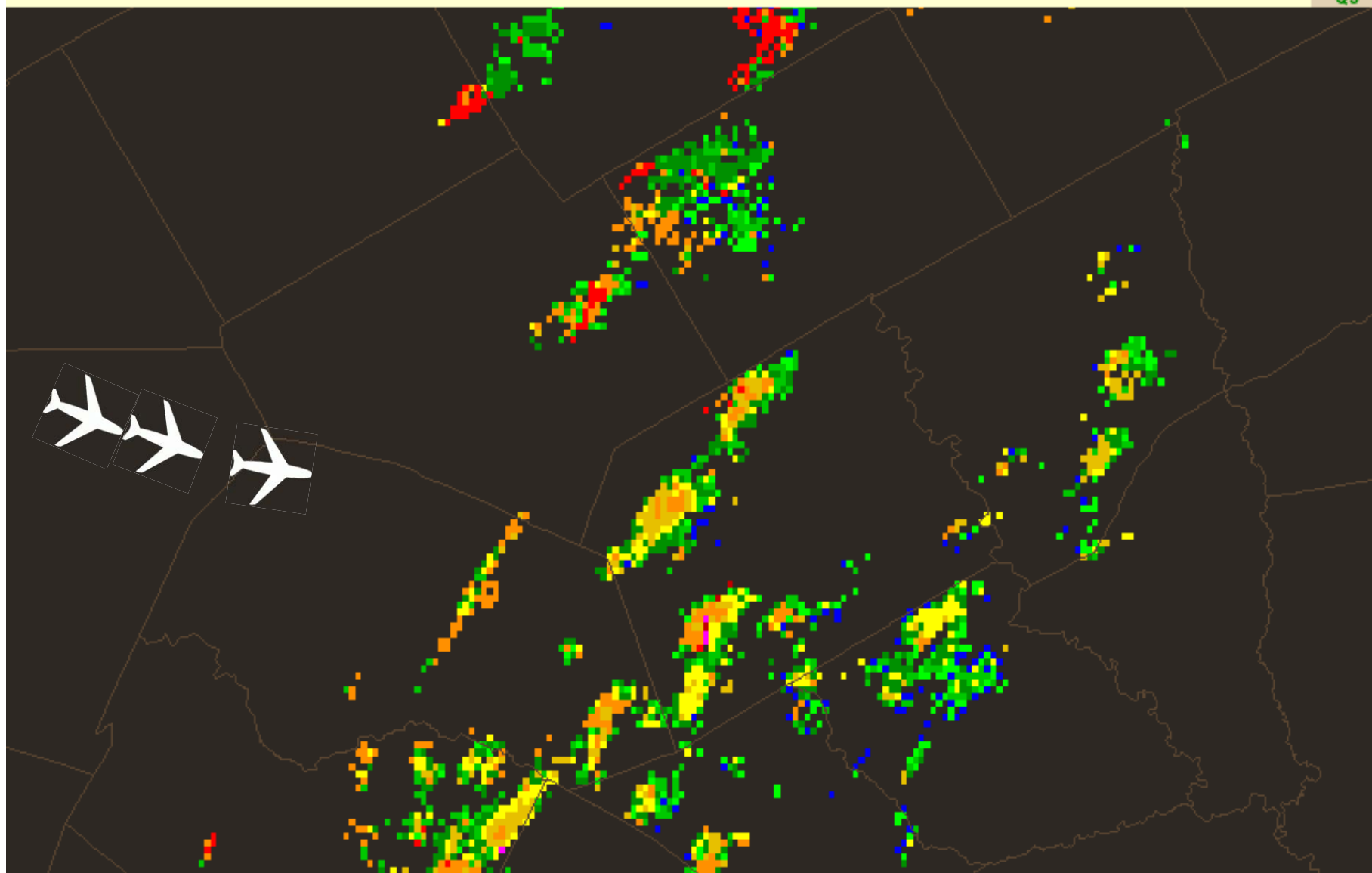
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 17:06:00 UTC

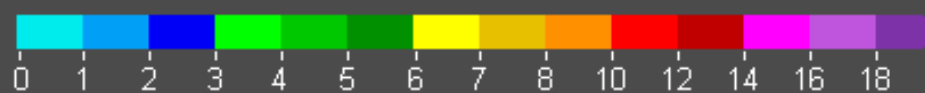


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 30.28 -95.976

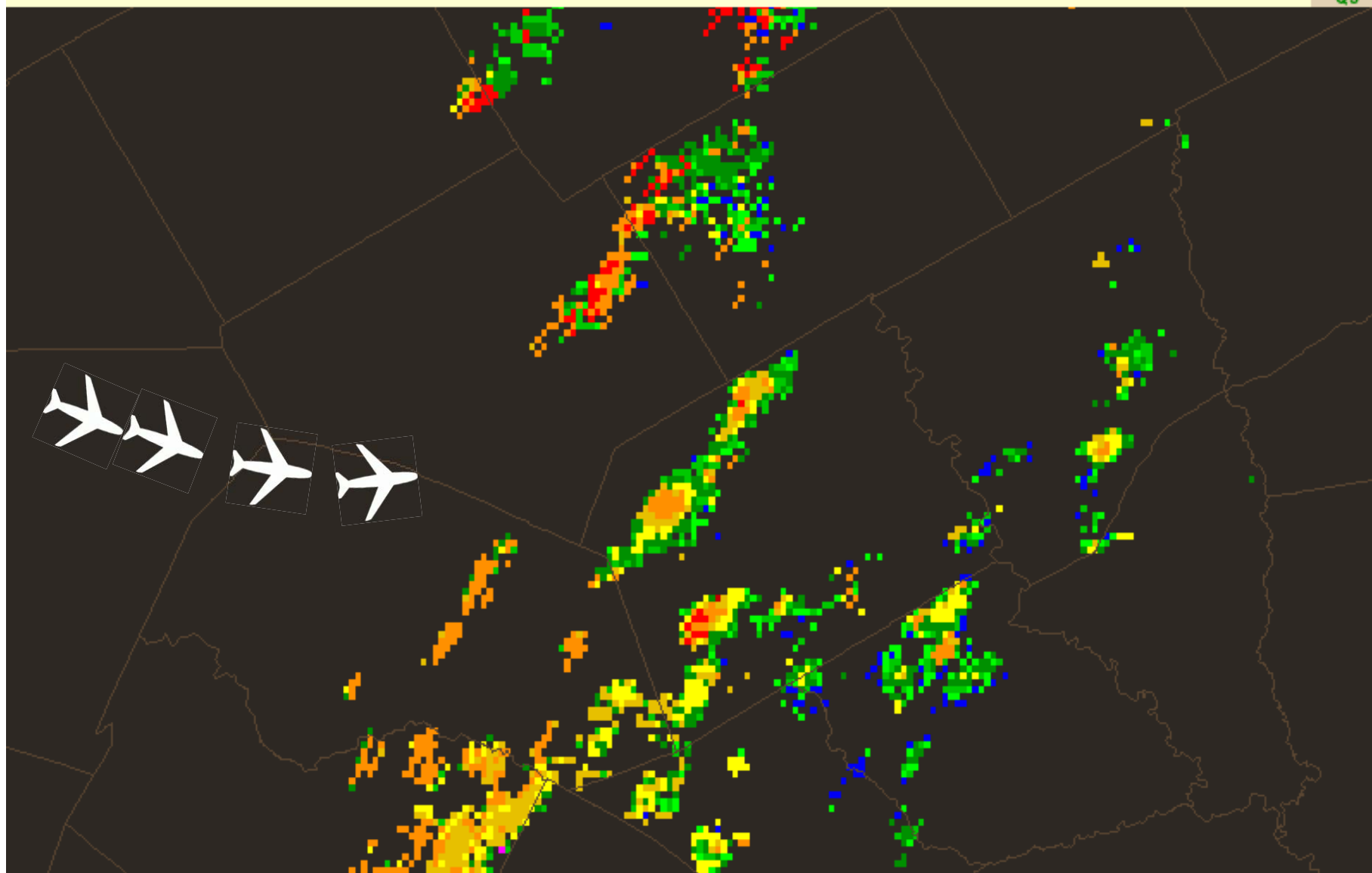
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 17:08:00 UTC

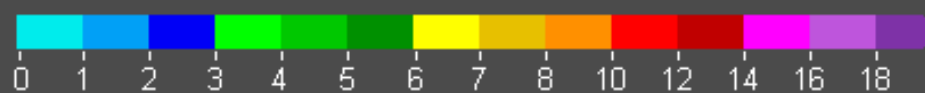


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 30.28 -95.976

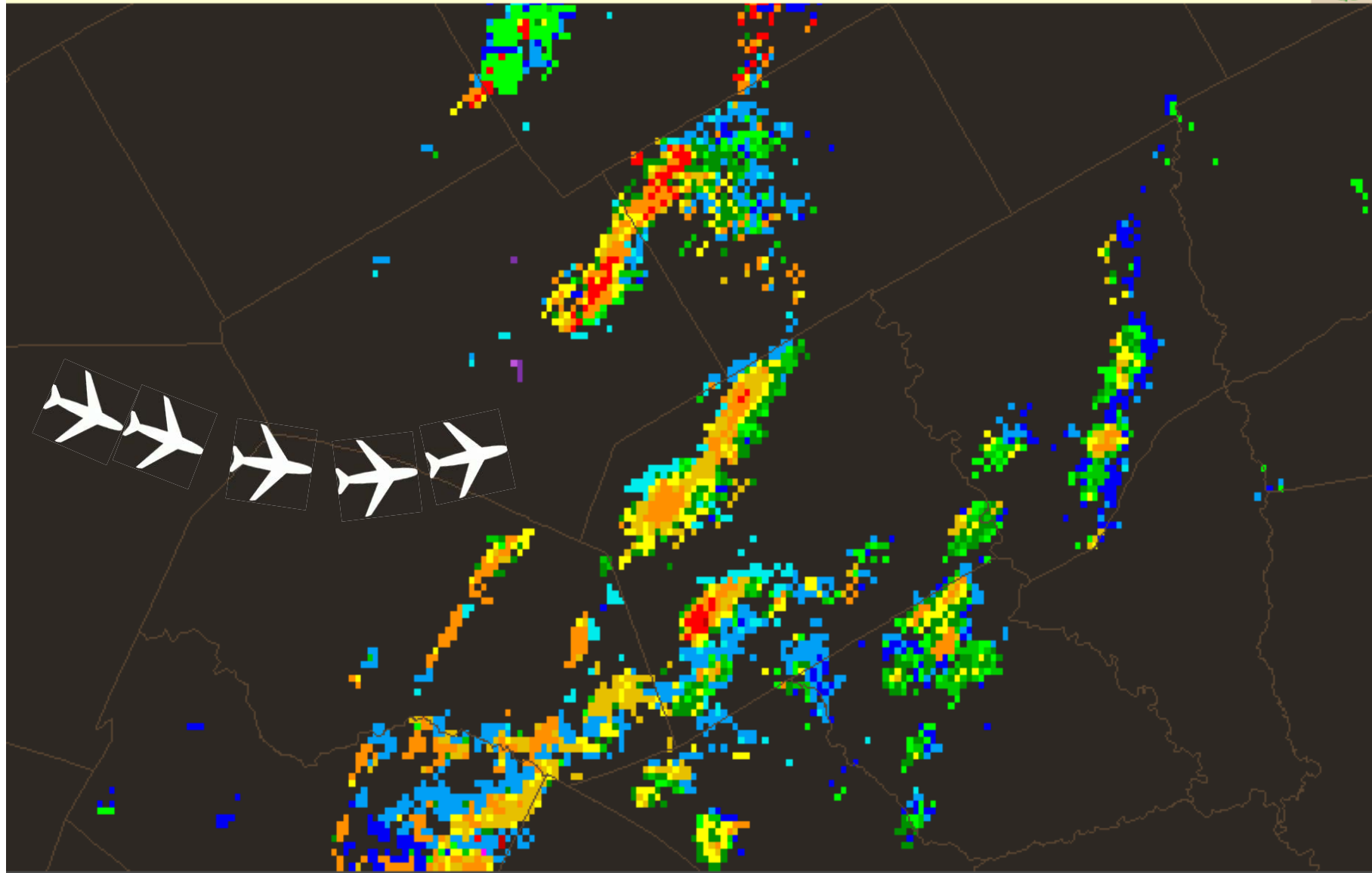
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 17:10:00 UTC

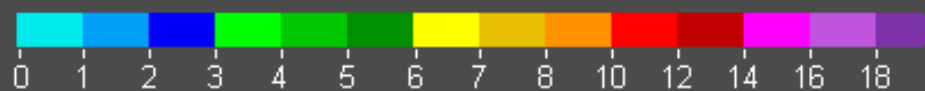


Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing



31.52
-98.27 -95.976
30.28

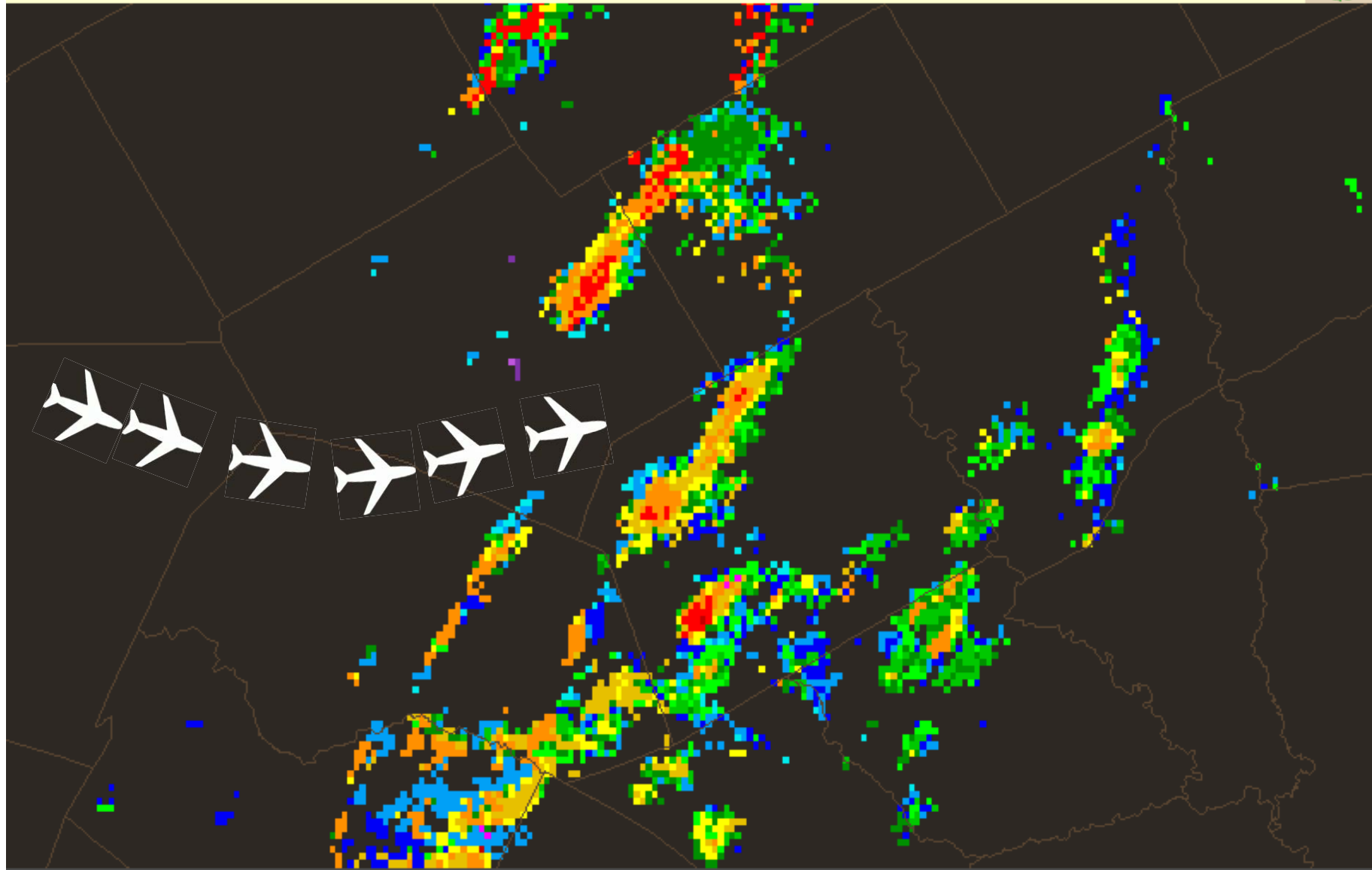
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 17:12:00 UTC



Q3



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing

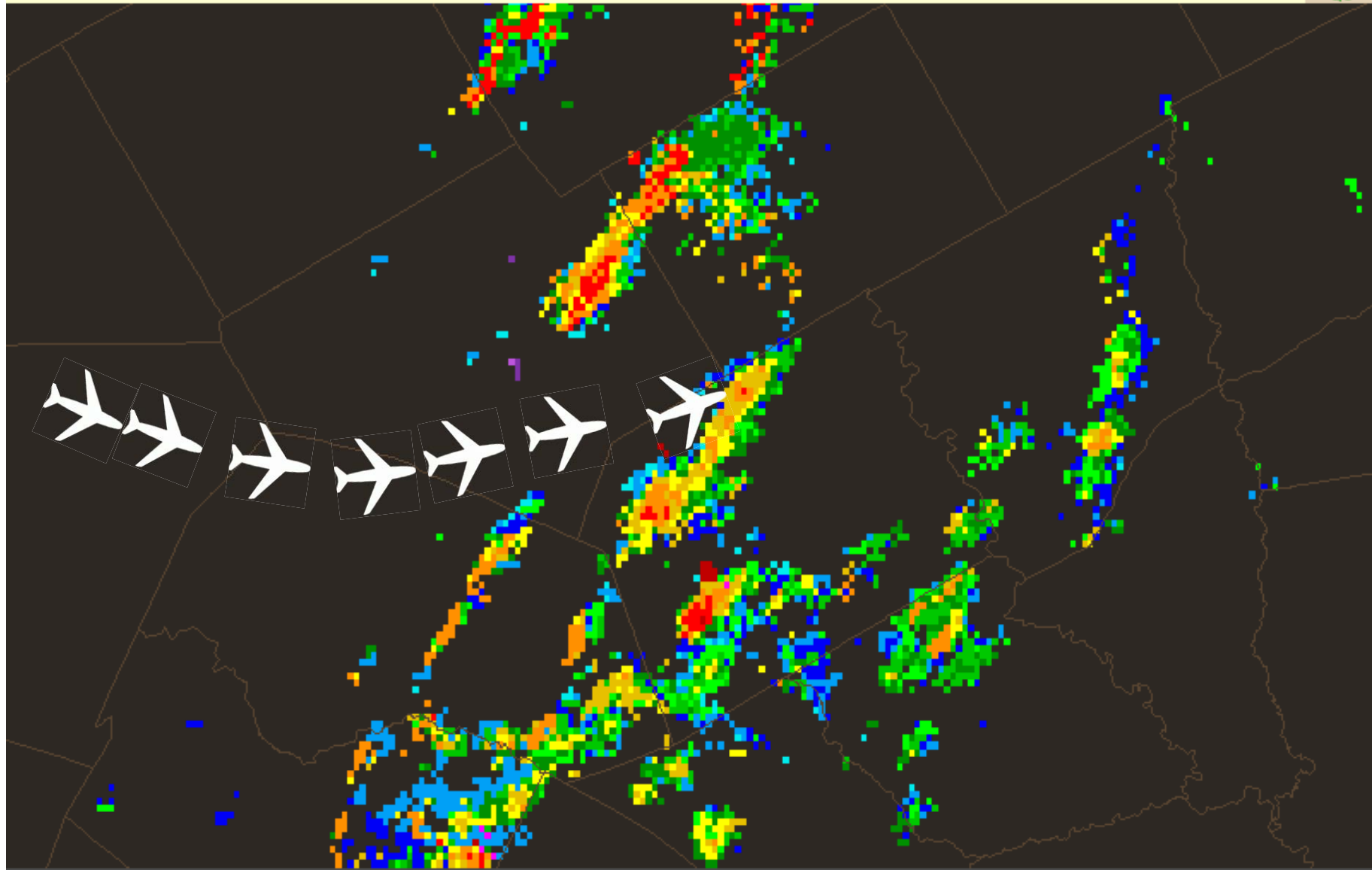


31.52
-98.27 -95.976
30.28

Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 17:14:00 UTC



Max Height Of Storm Top > 30 dBZ [km - MSL]

No File Missing

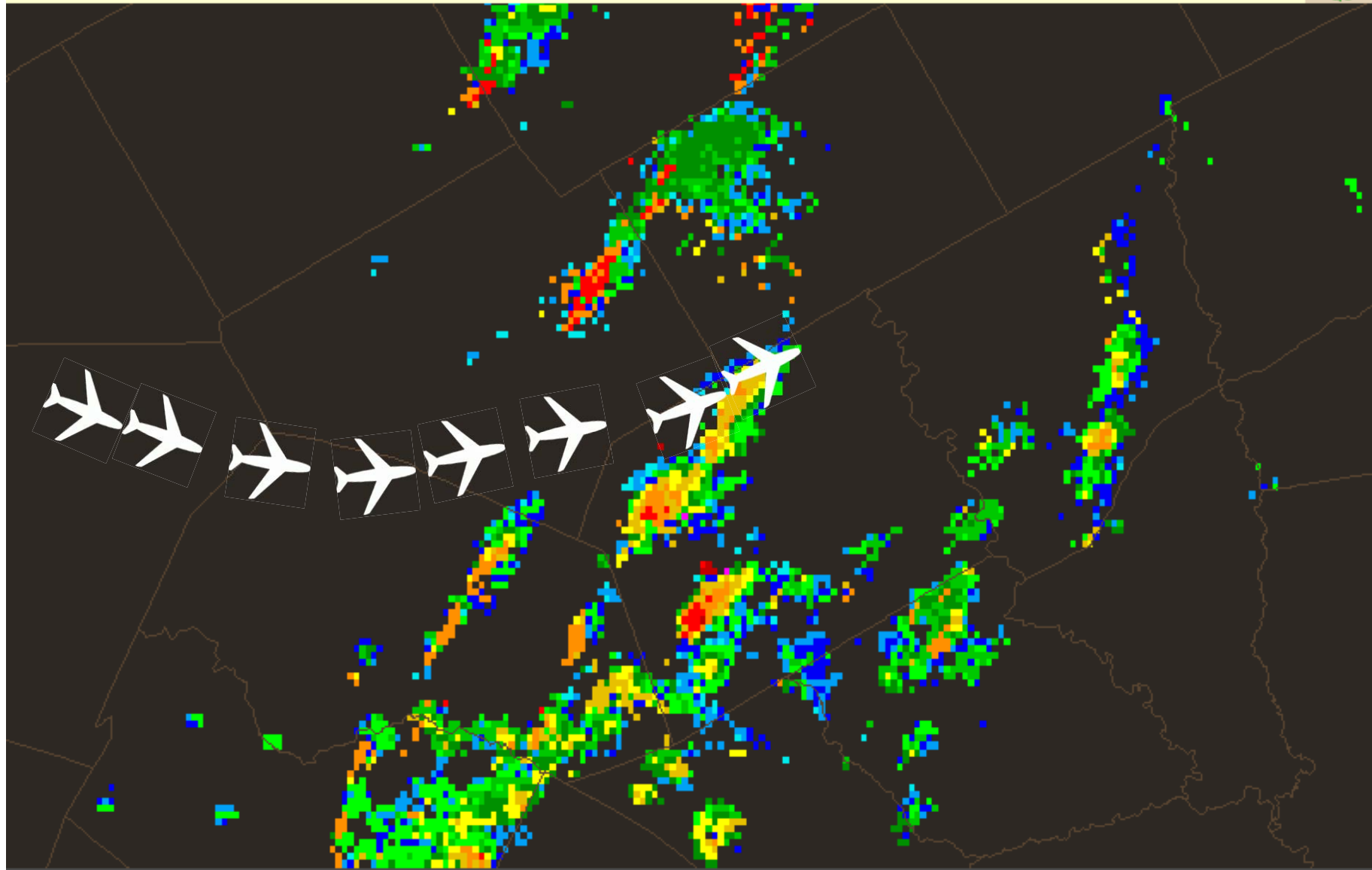


31.52
-98.27 -95.976
30.28

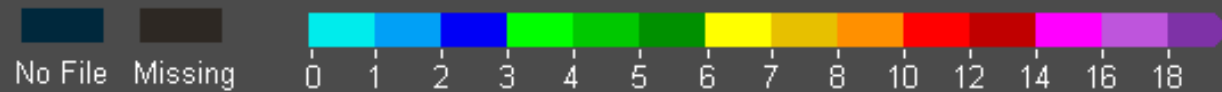
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 17:16:00 UTC



Max Height Of Storm Top > 30 dBZ [km - MSL]

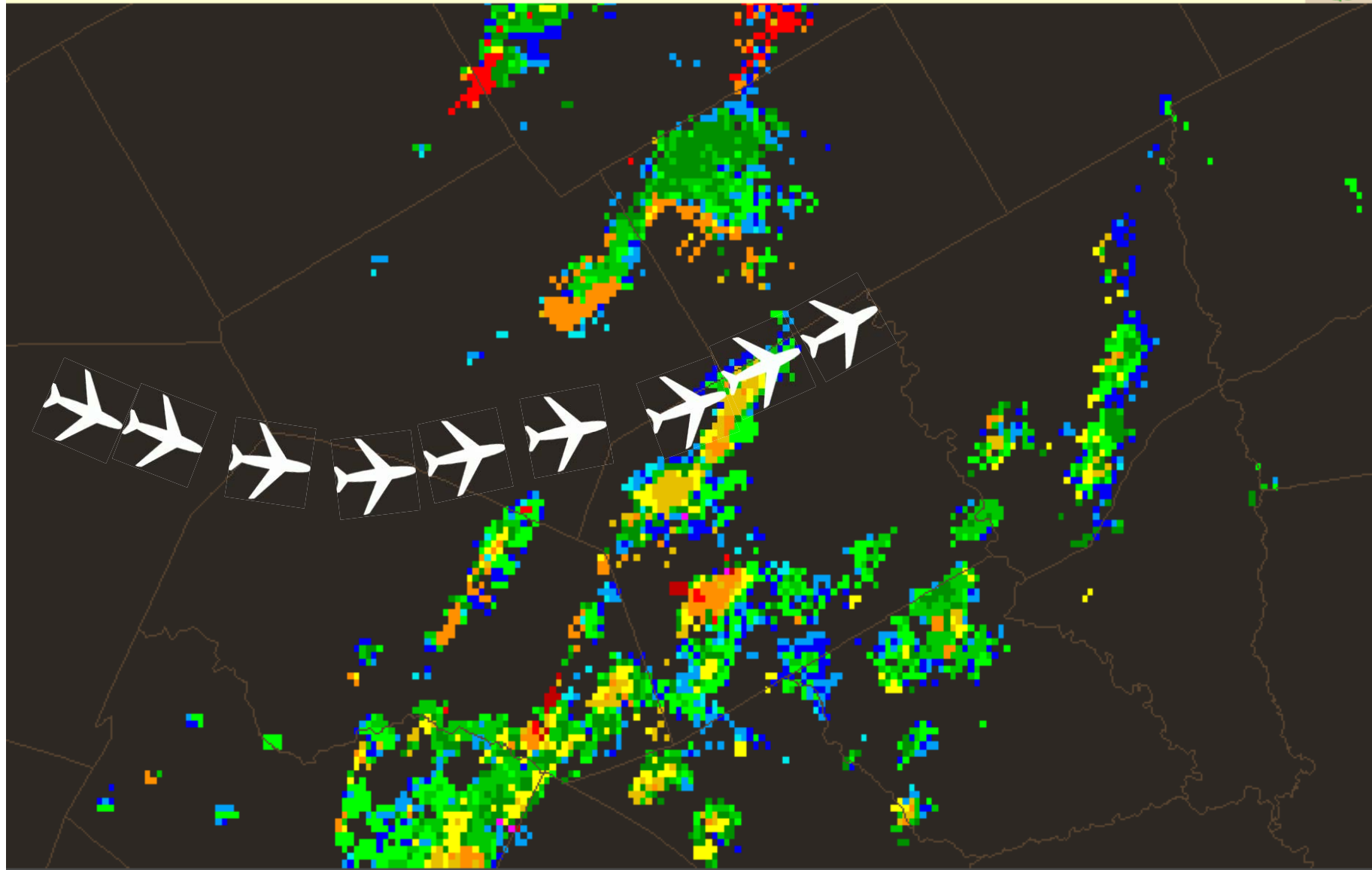


31.52
-98.27 -95.976
30.28

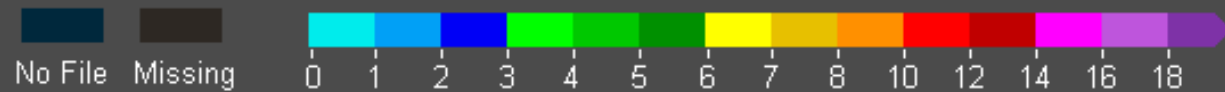
Storm Top Height [30 dBZ]

Derived From Mosaic3D

Valid: 08/17/2016 17:18:00 UTC



Max Height Of Storm Top > 30 dBZ [km - MSL]



No File Missing

31.52
-98.27 30.28 -95.976