

Factual Report – Attachment 2

FAA ATC Accident Package

AIR TRAFFIC CONTROL

ERA17FA136



Federal Aviation Administration

Memorandum

Date: May 9, 2017

To: James C. Morin, Group Manager, Litigation Support Group, AJI-17
[REDACTED]

From: Michael D. Wagner, Manager, Quality Control Group, AJV-E1

Subject: **INFORMATION:** Certification Statement
Aircraft Accident, N6563D/C210
Hayden, AL, March 25, 2017

I certify that air traffic aircraft accident package, ZTL-ARTCC-0296, has been reviewed and is complete.



Federal Aviation Administration

Memorandum

Date: April 28, 2017

To: Austin Aurandt, Acting Director, Eastern Service Center

From: [REDACTED]
Kelly Brown, Acting Manager, Atlanta Air Route Traffic Control Center

Subject: **INFORMATION:** Certification Statement
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

I certify that air traffic aircraft accident package, ZTL-ARTCC-0296, has been reviewed and is complete.

AIRCRAFT ACCIDENT PACKAGE

ZTL-ARTCC-0296

N6563D, C210

March 25, 2017, 1935 UTC

Destroy: September 25, 2019 UTC

SECTION 1.
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SECTION 2.

FAA Form 8020-6, Report of Aircraft Accident, and
FAA Form(s) 8020-6-1, Report of Aircraft Accident (Continuation Sheet)

FAA Form 8020-6, Report of Aircraft Accident

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		REPORT DATE May 11, 2017	REPORT NO ZTL-ARTCC-0296				
		NAME OF REPORTING FACILITY Atlanta ARTCC (ZTL)					
REPORT OF AIRCRAFT ACCIDENT							
1 AIRCRAFT IDENTIFICATION AND TYPE N6563D, C210	2 DATE/TIME OF ACCIDENT (UTC) March 25, 2017, 1935 UTC	3 LOCATION OF ACCIDENT (MANDATORY) Hayden, AL					
		LATITUDE/LONGITUDE (OPTIONAL) N32 00 00.8278 W085 00 00.7078					
4 NATURE OF ACCIDENT Aircraft crashed en route		5 TYPE OF FLIGHT IFR Flight Plan					
6 FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN
	Joseph Crenshaw	Pilot	Unknown, Unknown			X	
7 PASSENGER DATA	NUMBER ABOARD AIRCRAFT 3	NUMBER UNINJURED 0	NUMBER INJURED 0	NUMBER FATALITIES 3			
8 AIRCRAFT DAMAGE Destroyed		9 PROPERTY DAMAGE None					
10 OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS Normal							
11 WEATHER DATA (USE UTC DATE/TIME)	REPORT JUST PRIOR TO ACCIDENT BIRMINGHAM METAR - 1853 UTC wind one six zero at one four, gusts one nine knots, visibility one zero statute miles, few clouds at four thousand seven hundred, ceiling six thousand broken, temperature two six, dew point one three, altimeter three zero one zero						
	FIRST REPORT SUBSEQUENT TO ACCIDENT BIRMINGHAM SPECI - 2002 UTC wind two six zero at one seven, gusts two two knots, visibility one zero statute miles, ceiling four thousand six hundred overcast, temperature two zero, dew point one two, altimeter three zero zero nine						
12 ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION		CHECK IF EYEWITNESS		
	Chad A. Cox *(ZL)	ZTL ARTCC	R09 R				
	Kyle A. Calhoun (LO)	ZTL ARTCC	R04 R				
	James B. Winton (GF)	ZTL ARTCC	R13 R				
	Bobby Sharp (BS)	BIHM ATCT	SR AP				
	Joseph Pennington (MP)	BIHM ATCT	SR AP				
	James G. Hossenlopp (JL)	ZTL ARTCC	D13 D				
	Eric Batule (EY)	ZTL ARTCC	A5SUP O				
*OPERATING INITIALS							
13 SIGNATURE OF FACILITY Shaun R. Sanders							



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

March 29, 2017

REPORT NO

ZTL-ARTCC-0296

NAME OF REPORTING FACILITY

Central Florida TRACON (F11)

14 CHRONOLOGICAL SUMMARY OF FLIGHT

March 25, 2017

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

- 1652 N6563D contacted Central Florida TRACON (F11), Satellite Radar Disney (STD) position, off of Runway 15 at Kissimmee Gateway Airport (ISM) climbing to 2,000. STD radar identified and climbed N6563D to 4,000. N6563D acknowledged.
- 1654 STD issued a 310 heading to N6563D. N6563D acknowledged.
- 1656 STD climbed N6563D to 5,000 and switched the aircraft to F11 Departure Radar West (DRW) frequency. N6563D acknowledged. N6563D checked in with DRW climbing out of 3,500 for 5,000. DRW climbed N6563D to 8,000. N6563D acknowledged.
- 1658 DRW issued N6563D a 360 heading. N6563D acknowledged.
- 1659 DRW issued N6563D a 330 heading. N6563D acknowledged.
- 1708 N6563D was switched to Jacksonville Airport Traffic Control Tower (JAX ATCT). N6563D acknowledged.

No More Follows

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE May 02, 2017	REPORT NO. ZTL-ARTCC-0296
	NAME OF REPORTING FACILITY Jacksonville ATCT (JAX)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

March 25, 2017

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1708 N6563D called Jacksonville Airport Traffic Control Tower (JAX) Vits Radar Sector (V) and reported level at 800 feet heading 330. JAX V instructed N6563D to verify level at 8000 feet. N6563D verified level at 8000 feet. JAX V issued the altimeter and instructed N6563D to say on course heading.

1709 N6563D acknowledged with heading.

1710 JAX V instructed N6563D to proceed direct mike kilo lima. N6563D acknowledged.

1711 N6563D requested 10,000 feet. JAX V instructed N6563D to climb and maintain 10,000 feet.

1730 JAX V instructed N6563D to contact Jacksonville Air Route Traffic Control Center (ZJX) on 127.8. N6563D acknowledged.

No More Follows

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE May 03, 2017	REPORT NO. ZTL-ARTCC-0296
	NAME OF REPORTING FACILITY Jacksonville ARTCC (ZJX)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

March 25, 2017

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1731 N6563D made initial contact with Tallahassee (R28) sector, reported level at 10,000 feet on course. R28 acknowledged and issued the Tallahassee altimeter 30.24. N6563D readback altimeter.

1733 R28 completed a point out to Taylor (R77) sector.

1748 R28 broadcast Convective Sigmets 60C/58C/55C valid until 1955Z. R28 handed off N6563D to Tallahassee Approach.

1749 R28 issued a frequency change to N6563D to contact Tallahassee Approach 135.8. N6563D acknowledged frequency change.

1805 R28 accepted a handoff from Tallahassee Approach on N6563D.

1809 N6563D attempted initial contact with R28.

1810 R28 broadcasted aircraft calling try again. R28 was on a landline. N6563D made initial contact with R28 and reported level at 10,000 feet on course. R28 acknowledged and issued the Dothan altimeter 30.21. N6563D acknowledged altimeter.

1830 R28 handed off N6563D to Atlanta Approach. R28 issued a frequency change to N6563D to contact Atlanta Approach 125.5. N6563D acknowledged frequency change.

No More Follows



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

April 06, 2017

REPORT NO.

ZTL-ARTCC-0296

NAME OF REPORTING FACILITY

Tallahassee ATCT (TLH)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

March 25, 2017

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1750 N6563D reported in to Tallahassee Approach at 10,000 and was issued the Tallahassee altimeter setting.

1758 N6563D was handed off to Valdosta Approach and instructed to contact Valdosta Approach on frequency 132.37.

No More Follows

	DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE April 25, 2017	REPORT NO. ZTL-ARTCC-0296
		NAME OF REPORTING FACILITY Atlanta TRACON (A80)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

March 25, 2017

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1832 N6563D checked in with Atlanta Terminal Radar Approach Control Columbus sector (A80) level at 10,000 feet and on course. A80 acknowledged N6563D and issued altimeter 30.15. N6563D acknowledged.

1849 A80 handed off N6563D to Montgomery Approach Control on 124.0. N6563D acknowledged 124.0.

 No More Follows



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

March 30, 2017

REPORT NO.

ZTL-ARTCC-0296

NAME OF REPORTING FACILITY

Montgomery ATCT (MGM)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

March 25, 2017

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

- 1850 N6563D checked on with Montgomery Approach South frequency stating on course at 10,000. Montgomery Approach broadcast on frequency SIGMET 63C.
- 1857 N6563D requested to deviate to the right of course due to build up. Montgomery Approach approved.
- 1900 N6563D reported back on course and stated that a deviation may be needed in 10 minutes.
- 1903 N6563D requested to deviate to the right for weather. Montgomery Approach approved.
- 1904 Montgomery Approach pointed out N6563D to ZTL Tiroe Sector with deviations.
- 1905 Montgomery Approach APREQ with BHM stating N6563D was deviating right of course and will report back on course

No More Follows

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE March 30, 2017	REPORT NO. ZTL-ARTCC-0296
	NAME OF REPORTING FACILITY Birmingham ATCT (BHM)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

March 25, 2017

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1905 Montgomery Approach (MGM) calls Birmingham South Radar (SR) and coordinates N6563D deviating right of course. SR approves the deviation.

1906 N6563D checks on frequency and is given altimeter and told to advise when back on course. N6563D acknowledges.

1911 N6563D is pointed out to Atlanta Center West Departure Sector (ZTLWD). ZTLWD approves the pointout.

1914 SR asks if N6365D is maintaining 10,000. N6563D says going back to 10,000.

1921 N6563D requests higher altitude of 12,000 and is told to standby.

1923 SR calls ZTLWD and requests 12,000 for N6563D. ZTLWD approves 12,000. SR assigns 12,000 to N6563D and N6563D acknowledges. N6563D is told to contact Atlanta Center on frequency 134.95. N6563D acknowledges.

1930 Atlanta Center Birmingham Sector calls SR and points out N6563D. Atlanta Center advises N6563D is losing altitude. SR approves the point out.

1932 Birmingham Controller in Charge calls Atlanta Center Maxwell Sector (ZTLMAX) reference the pointout on N6563D and asks if they are talking to him. ZTLMAX says aircraft is not responding. Birmingham Controller in Charge says they will notify the DEN since the aircraft is dropping altitude rapidly and says the aircraft is now off radar. Birmingham Controller in Charge says an ALNOT should be issued.

1941 Atlanta Center Meetering calls SR reference N6563D. SR advises them of reports of a crash. Birmingham Controller in Charge calls Flight Service and asks for number of people on N6563D. Flight Service advises four people on board.

No More Follows



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

May 11, 2017

REPORT NO

ZTL-ARTCC-0296

NAME OF REPORTING FACILITY

Atlanta ARTCC (ZTL)

14 CHRONOLOGICAL SUMMARY OF FLIGHT

March 25, 2017

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

- 1924 N6563D checked on the ZTL Montgomery Sector (R13) climbing to 12,000 ft. R13 issued the weather to N6563D. N6563D acknowledged and discussed deviations for weather.
- 1925 N6563D requested course deviation advice from R13. R13 discussed the deviations and weather for N6563D.
- 1929 R13 advised N6563D to check altitude and maintain 12,000 ft. two times with no response.
- 1930 R13 called N6563D and warned the aircraft about altitude loss. N6563D indicated having problems. R13 offered guidance to the east to avoid the weather.
- 1931 R13 suggested a course to the east and warned N6563D about altitude loss. N6563D replied that he was trying to maintain control.
- 1932 R13 called N6563D several times with no response.
- 1935 R13 asked another aircraft to call N6563D. N239RT called N6563D twice with no response.
- 1936 R13 asked N239RT to call N6563D. N239RT called N6563D with no response.

12. ATS Personnel Involved, Continued.

Jacob Roberts (TR), BHM ATCT, ST SI

Robert A. Brown (RB), ZTL ARTCC, OMIC1 OM

Willette Y. Neal (WN), ZTL ARTCC, OMIC2 OM

No More Follows

SECTION 3.
Review of Services Memo(s)



Federal Aviation Administration

Memorandum

Date: March 29, 2017

To: Atlanta Air Route Traffic Control Center


Deborah A. Kies, Manager, Central Florida Terminal Radar Approach

From: Control Facility

Subject: **INFORMATION**: Review of Services Memo
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

F11 TRACON conducted a review of services concerning N6563D and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 8020-6-1
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
Continuous Data Recording (CDR)
Flight Progress Strip(s)
Accident notification email



Federal Aviation Administration

Memorandum

Date: May 02, 2017

To: Atlanta Air Route Traffic Control Center

From: Sonya H. Busch, Manager, Jacksonville Airport Traffic Control Tower

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

JAX ATCT conducted a review of services concerning N6563D and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 7230-4

FAA Form 7230-10

FAA Form 8020-6-1

FAA Form 8020-26

Personnel Log(s)

Certified Original Copy(ies) of Voice Recording(s)

Certified Working Copy(ies) of Voice Recording(s)

Facility Layout Chart(s)

Continuous Data Recording (CDR)



Federal Aviation Administration

Memorandum

Date: April 03, 2017

To: Atlanta Air Route Traffic Control Center
[Redacted Signature]
Alfredo J. Serrano, Acting Manager, Jacksonville Air Route Traffic

From: Control Center

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

ZJX ARTCC conducted a review of services concerning N6563D and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 7230-4
FAA Form 7230-10
FAA Form 8020-6-1
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
Facility Layout Chart(s)
SAR and RADAR Data
Email notification



Federal Aviation Administration

Memorandum

Date: April 06, 2017

To: Atlanta Air Route Traffic Control Center

From: [REDACTED]
Ronald G. Fisher, Manager, Tallahassee Airport Traffic Control Tower

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

TLH ATCT conducted a review of services concerning N6563D and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 7230-4

FAA Form 7230-10

FAA Form 8020-6-1

Personnel Log(s)

Certified Original Copy(ies) of Voice Recording(s)

Certified Working Copy(ies) of Voice Recording(s)

Facility Layout Chart(s)

Continuous Data Recording (CDR)

Flight Progress Strip(s)



Federal Aviation Administration

Memorandum

Date: April 25, 2017

To: Atlanta Air Route Traffic Control Center
[REDACTED]

From: Brandon Roop, Acting Manager, Atlanta Terminal Radar Approach Control
Facility

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

A80 TRACON conducted a review of services concerning N6563D and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 7230-4
FAA Form 7230-10
FAA Form 8020-6-1
Personnel Log(s)
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
Facility Layout Chart(s)
Continuous Data Recording (CDR)
Radar Data

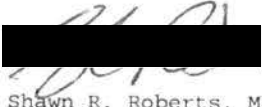


Federal Aviation Administration

Memorandum

Date: April 18, 2017

To: Atlanta Air Route Traffic Control Center

From: 
Shawn R. Roberts, Manager, Montgomery Airport Traffic Control Tower

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

MGM ATCT conducted a review of services concerning N6563D and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 7230-4

FAA Form 7230-10

FAA Form 8020-6-1

FAA Form 8020-26

Personnel Log(s)

Certified Original Copy(ies) of Voice Recording(s)

Certified Working Copy(ies) of Voice Recording(s)

Facility Layout Chart(s)

Continuous Data Recording (CDR)

Flight Progress Strip(s)



Federal Aviation Administration

Memorandum

Date: April 27, 2017

To: Atlanta Air Route Traffic Control Center


Christopher Wilbanks, Acting Manager, Birmingham Airport Traffic
From: Control Tower

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

BHM ATCT conducted a review of services concerning N6563D and was determined to have pertinent services. As a supporting facility with pertinent services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 7230-4
FAA Form 7230-10
FAA Form 8020-6-1
Personnel Log(s)
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
Facility Layout Chart(s)
Continuous Data Recording (CDR)
Transcription(s) of Voice Recording(s)
Flight Progress Strip(s)
STARS Plot Playback File
Weather Products



Federal Aviation Administration

Memorandum

Date: April 28, 2017

To: Atlanta Accident File ZTL-ARTCC-0296

From: [REDACTED]
Kelly Brown, Acting Manager, Atlanta Air Route Traffic Control Center

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

ZTL ARTCC conducted a review of services concerning N6563D and was determined to have pertinent services. As the holding facility with pertinent services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 7230-4
FAA Form 7230-10
FAA Form 8020-6
FAA Form 8020-6-1
FAA Form 8020-9
FAA Form 8020-3
Personnel Log(s)
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
Facility Layout Chart(s)
Transcription(s) of Voice Recording(s)
Flight Progress Strip(s)
National Track Analysis Report
Surveillance Track History Report
Input Output Log Report
Playback Workstation File
Weather Products

ZTL-ARTCC-0296

N6563D

SECTION 4.

FAA Form(s) 7230-4, Daily Record of Facility Operation

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 1
				DATE Mar 25, 2017
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY [REDACTED]
Hampton, GA	ZTL	ARTCC	Watch Desk	AIR TRAFFIC MANAGER Shaun R. Sanders
UTC TIME	REMARKS			
0400	A REDDICK ON. -- AR			
0400	A REDDICK ON -- XI			
0452	NAS CERTIFIED. -- AR			
0515	WALKTHROUGH COMPLETE. -- AR			
0610	WALKTHROUGH COMPLETE. -- AR			
0841	A. JOSEPH ON. -- LM			
1030	C. Tomlin on -- YO			
1807	N8DX (C500) experienced equipment issues and crashed prior to landing FTY. DEN and ROC notified 03/24/2017 @2324Z -- WN			
1830	R. Brown on -- RB			
1925	N6563D (C210) - ATC lost communication and radar with the aircraft. Weather in the sector. BHM reported the aircraft crash -- WN			
2015	WCLC -- RB			
M 2358	ZTL-M-2017/03/25-0001 -- N6563D -- WN			
M 0058	ZTL-M-2017/03/25-0002 -- N6563D -- RB			
0230	C. STODDARD on. -- XI			
M 0302	ZTL-M-2017/03/25-0003 -- AAY1401 -- XI			
0359	COB. -- XI			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded.		SIGN [REDACTED] STODDARD		

FAA Form 7230-4

ZTL-ARTCC-0296

N6563D

Daily Record of Facility Operation

Page No. 1 of 2

Date 3/25/2017

Location

Hampton, GA

Identification

ZTL

Type Facility

ARTCC

Operating Position

CWSU

Checked

Air Traffic Manager
Shaun Sanders

Time (UTC)

REMARKS

0930 CW ON. WCLC.
0941 BRFD TMU
1010 TCF...ADJUSTED AREA IN ZME
1011 ZWB, TRACONS AND STAFFING SHEET UPDATED
1040 BRFD ATL ON TELCON
1053 BRFD CLT ON THE TELCON
1140 TCF...CONCURRED
1308 BRFD ZTL AT STANDUP
1352 TCF...CONCUR
1610 TCF...CONCURRED
1638 ZWB AND TRACONS UPDATED
1715 RW ON DUTY
1730 CW OFF DUTY
1808 TCF...<ZTL-RSkov> 18:08:23Z - agree with maps for ZTL.
1819 UPDATED RA CONVECTION FCST
1858 COORD CWA WITH NICK AT ZME
1905 ISSUED CWA 101 FOR TS IN AL/MS/TN
1921 TCF...<ZTL-RSkov> 19:20:59Z - agree with 01z and 03z maps for ZTL. would like to include a hi conf area in NW GA at 05z (in green) as HRRR/NAM and our lcl WRF keep the cnvtn stronger.
1922 TCF...<ZTL-RSkov> 19:22:11Z - TOPS 290 still good for the Hi conf in green at 05z
1948 COORD ATL TAF WITH NIKOLE
1952 OM ADVISED...ACFT ACCIDENT ~1935Z VUZ035017 C210
1954 OM CANCELLED STANDUP.
1959 ADVISED BHM (GERALD) WFO ON ACFT ACCIDENT
2035 BRFD EACH AREA SUP INDIVIDUALLY ON WX AND FCST
2101 FWD LOU UUA TO TMU... LLWS
2123 PROVIDED OM THE ACFT ACCIDENT WX DATA PACKAGE. COPY SAVED FOR CWSU RECORDS
2142 FWD HSV UUA TO TMU AND OM...MOD-SEV TB 055-085 BY C17...VCTS
2206 COORD ATL TAF WITH KENT
2209 TCF...<ZTL-RSkov> 22:08:15Z - I agree with the 03z 05z maps for ZTL...thank you for retaining them from previous chat. For 07z, I leaning towards high conf on the convectn in SW GA (in green).
2210 TCF CONT...<AWC-IGreenwall> 21:44:17Z - Kept the same pattern as the last chat, with a diminishing pattern of convection of the current convection. <AWC-IGreenwall> 22:10:10Z - ZTL, I will make that portion high confidence for you at 07Z. thanks.
2221 CALLED BHM (GERALD) WITH LATEST C210 ACCIDENT INFO. CALL SIGN...N6563D. WRECKAGE WAS FOUND. 4 FATALITIES
2308 ADVISED AREA 6 SUP ON SUNDAY WX
2311 ISSUED CWA 102 FOR TS IN AL/TN
2350 TCF...<ZTL-RSkov> 23:50:22Z - agree with maps for ZTL

I CERTIFY that entries above are correct; that all scheduled operations have been accomplished, except as noted, and that all abnormal occurrences and conditions have been recorded.

Watch Supervisor(s) Signature

Watch Supervisor(s) Signature

Watch Supervisor(s) Signature

Daily Record of Facility Operation (Continued)

Page No. 2 of 2

Time (UTC)

REMARKS

0007	ISSUED CWA 103
0032	UPLOADED ZWB SUMMARY AND RMKS
0048	UPLOADED TRACON SUMMARIES
0049	DIST ZWB
0108	ISSUED CWA 104
0115	RW OFF

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 1
				DATE May 25, 2017
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED [Signature]
Hampton, GA	ZTL	ARTCC	Area 5	AIR TRAFFIC MANAGER Shaun R. Sanders
UTC TIME	REMARKS			
0400	A. REDDICK ON. -- PG			
1015	P. WILKERSON ON. -- PG			
1315	WCLC. -- PG			
1400	SRC. -- PG			
1845	E. BATULE ON. -- EY			
2030	WCLC. -- EY			
0230	C. STODDARD ON. -- EY			
0359	COB. -- EY			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded. SIGNATURE(S) OF WATCH SUPERVISOR(S) [Signature]				

FAA Form 7230-4

ZTL-ARTCC-0296
N6563D

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 1
				DATE Mar 25, 2017
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED [Redacted]
Hampton, GA	ZTL	ARTCC	Area 6	AIR TRAFFIC MANAGER Shaun R. Sanders
UTC TIME	REMARKS			
0400	A REDDICK ON. -- OE			
0841	A. JOSEPH ON. -- OE			
1015	E. BUCKRIDGE ON. -- OE			
1315	WCLC. -- OE			
1325	SRC. -- OE			
1830	W. MUHAMMAD ON. -- ZH			
2015	WCLC. -- ZH			
0230	C. STODDARD ON. -- ZH			
0359	COR. -- ZH			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded. SIGNATURE(S) OF WATCH SUPERVISOR(S) [Redacted Signature]				

FAA Form 7230-4

ZTL-ARTCC-0296
N6563D

DAILY RECORD OF FACILITY OPERATION				PAGE NO. Page 1 of 1
				DATE Mar 25, 2017
LOCATION	IDENTIFICATION	TIME FACILITY	OPERATING POSITION	CHECKED BY [REDACTED]
Birmingham, AL	BHM	ATCT	OSIC	AIR TRAFFIC MANAGER C. Wilbanks
TIME	REMARKS			
0500	B. LARY ON. WCLC. RWY 6/18 IN USE. IFR OPS IN CAB. CPPL: RY 36 REELS OTS. RWY 6 TDZL IN ALARM ON LIGHTING PANEL. RWY 6 TDZ LIGHTS STUCK ON LEVEL 2. AIRFIELD LIGHTING PANEL PRESET FUNCTION OTS. -- TR			
1305	T. TRAVICK ON. WCLC. -- TR			
E 1835	PRIMARY POWER OUTAGE. CRITICAL BUS STILL ONLINE. RWY 6 TOUCHDOWN RVR OTS. CAT 2 ILS N/A. ALL OTHER ATC EQUIPMENT OPERATIONAL. AOCCT NOTIFIED/KW. -- TR			
E 1917	ILS RWY 24 OTS. AOCCT NOTIFIED/KW. -- TR			
M 1943	BHM-M-2017/03/25-0003 -- N6563D -- TR			
E 2000	ILS RWY 24 RTS. -- TR			
E 2000	PRIMARY POWER AND CAT 2 ILS RTS. -- TR			
2100	C. NELSON ON. -- TR			
0448	D. TYSON ON. -- TY			
0459	COB. -- TY			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded.		SIGNATURE OF WATCH SUPERVISOR [REDACTED]		

FAA Form 7230-4

ZTL-ARTCC-0296
N6563D

SECTION 5.
Personnel Log(s)



Federal Aviation Administration

Memorandum

Date: April 28, 2017

To: Aircraft Accident Package, ZTL-ARTCC-0296
[REDACTED]

From: Kelly E. Brown, Acting Manager, Atlanta Air Route Traffic Control Center

Subject: **INFORMATION:** Personnel Logs
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

The following personnel were assigned to Area 5, but not scheduled for duty on March 25, 2017.

Andrew Diragi
Christian Karns
Charles Leonard
Barry Wilson
Priscilla Russell
Shane Gutierrez

Jay Tilles
Jeffrey Welch
Thomas Moore
Andrew Conley
Mark Dobbs
Dawn Johnson

Kelly Jones
Alvin Kent
Kathryn Murtha
Takoyia Fields
Augustus Evans
Drew Jones



Federal Aviation Administration

Memorandum

Date: April 28, 2017

To: Aircraft Accident Package, ZTL-ARTCC-0296

From: [REDACTED]
Kelly E. Brown, Acting Manager, Atlanta Air Route Traffic Control Center

Subject: **INFORMATION:** Personnel Logs
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

The following personnel were assigned to Area 6, but not scheduled for duty on March 25, 2017.

Louis Angotti
Kenneth Cook
Paul Fleck
Ronald Keel
Thomas Mercer
Matthew Tucker
Hannah Gleckler

Dustin Berry
Chad Daniel
Richard Harrison
Kristin Lonergan
Shad Mitchell
Roger Warren Jr.
Frank McDougal

Vincent Carlino
Timothy Faile
Lance Hill
James Mallett
Cheryl Oxenburg
Alan Brown

ART - Sign On Log

4/18/2017 11:58:53 AM

ZTL

Selected Report Dates: 3/24/2017 10:00:00 PM - 3/25/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
AQ	AUTRY, KENNETH A	22:06-06:06/R	22:06:00	06:06:00				
	REMARKS							
WJ	BENNETT, WILLIAM J	22:15-06:15/R	22:15:00	06:15:00				
	REMARKS							
NC	HARVEY, JASON C	22:30-06:30/R	22:00:00	06:30:00				0+30
	REMARKS							
JD	WILLIAMS, JESSICA D	04:24-14:24/R	04:24:00	14:24:00				
	REMARKS							
UK	TRAVIS, JOHNATHAN M	05:40-13:40/R	05:40:00	13:40:00			0+14	
	REMARKS							
MB	BURTON, MARSHALL S	05:45-13:45/R	05:45:00	13:45:00			0+56	
	REMARKS							
QD	JOSEPH, REBECCA L	05:45-13:45/R	05:45:00	13:45:00				
	REMARKS							
IO	HILDERBRAND, JAMES	06:00-14:00/R	06:00:00	14:00:00	8+0			
	REMARKS							
SB	LEMON, STEVEN M	06:00-16:00/R	06:00:00	16:00:00	10+0			
	REMARKS							
VT	RAYMOND, FRANCIS J.	06:25-14:25/R	06:25:00	14:25:00				
	REMARKS							
CJ	CRUMP, JASMINE S	06:30-14:30/R	06:30:00	14:30:00				
	REMARKS							
EF	FRUSCIONE, ANTHONY S	07:00-14:00/R	07:00:00	14:00:00			0+11	
	REMARKS							
PB	MASSEY, BRADLY J	07:00-14:00/R	07:00:00	14:00:00				
	REMARKS							
BV	MIDDLETON, BRYCE K	07:00-15:00/R	07:00:00	15:00:00	8+0			
	REMARKS							
BK	BRADFORD, JAMES B	07:30-14:30/R	07:21:00	14:30:00			1+53	0+9

ZTL

Selected Report Dates: 3/24/2017 10:00:00 PM - 3/25/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
	REMARKS							
AT	CHANCE, CHARLES A	07:30-14:30/R	07:30:00	14:30:00				
	REMARKS							
TU	TODD, TIMOTHY L.	07:35-14:35/R	07:35:00	14:35:00				
	REMARKS							
GF	WINTON, JAMES B	09:29-19:29/R	09:29:00	19:49:00				0+20
	REMARKS							
CU	DANCY, KENNETH R	12:00-16:00/O	12:00:00	16:00:00				4+0
	REMARKS							
NK	NELSON, NICHOLAS	12:00-20:00/R	12:09:00	20:00:00	0+9		1+1	
	REMARKS							
BW	JONES, BRIAN W	12:00-22:00/R	12:00:00	22:00:00				
	REMARKS							
DS	MCARTHUR, STEPHANIE S	12:30-20:30/R	12:25:00	20:30:00				0+5
	REMARKS							
MC	MOORE, CHRISTOPHER A	12:36-20:36/R	12:36:00	20:36:00				
	REMARKS							
ZL	COX, CHAD A	12:50-20:50/R	12:50:00	20:50:00				
	REMARKS							
ZB	STAHL, RUTH M	13:00-21:00/R	13:00:00	21:00:00	8+0			
	REMARKS							
FG	GODFREY, RYAN A	13:30-21:30/R	13:24:00	21:30:00				0+6
	REMARKS							
TX	MILIS, TIMOTHY L	14:00-24:00/R	14:00:00	00:00:00				
	REMARKS							
CO	BARRON, STEVEN R	14:30-22:30/R	13:55:00	22:30:00			1+16	0+35
	REMARKS							
SN	LEONOWICZ, STEVEN J	15:00-24:00/R	15:00:00	00:00:00	9+0			
	REMARKS							
JL	HOSSENLOPP, JAMES G	16:00-24:00/R	15:25:00	00:00:00				0+35
	REMARKS							

ART - Sign On Log

4/18/2017 12:00:29 PM

ZTL

Selected Report Dates: 3/24/2017 10:00:00 PM - 3/25/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
WF	FRANK, WESLEY T	22:24-06:24/R	22:24:00	06:24:00				
	REMARKS							
KS	STACY, DOUGLAS J	22:30-06:30/R	22:30:00	06:30:00				
	REMARKS							
DF	WETZEL, MATTHEW K	23:00-06:00/R	23:00:00	06:00:00				
	REMARKS							
AB	WALLACE, DELFINA M	02:00-10:00/R	02:00:00	10:00:00	8+0			
	REMARKS							
OX	DEGROOT, JOHN D	05:30-12:30/R	05:30:00	12:30:00				
	REMARKS							
OP	OPHEIM, JASON R	05:30-12:30/R	05:30:00	12:30:00				
	REMARKS							
ZA	SIMS, ANDREW R	05:30-13:30/R	05:30:00	13:30:00				
	REMARKS							
CG	GRAHAM, CHARLES B, III	06:30-14:30/R	06:30:00	14:30:00				
	REMARKS							
KY	KOJALI, CHRISTOPHER J	06:30-14:30/R	06:30:00	14:30:00				
	REMARKS							
EU	WHITE, CRAIG M	06:35-14:35/R	06:35:00	14:35:00				
	REMARKS							
OH	STEWART, JOSHUA	07:25-15:25/R	07:25:00	15:25:00				
	REMARKS							
ZJ	JEFFREYS, ZACHERY S	07:30-15:30/R	07:30:00	15:30:00				
	REMARKS							
DX	BOGDAN, LAUREN A	07:32-15:32/R	07:32:00	15:32:00				
	REMARKS							
RK	RAWSON, KURT E	07:40-15:40/R	07:40:00	15:40:00				
	REMARKS							
MJ	JOHNSON, JENNIFER A	08:00-15:00/R	08:00:00	15:00:00	7+0			

ZTL

Selected Report Dates: 3/24/2017 10:00:00 PM - 3/25/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
	REMARKS							
GW	WAGONER, JOHN G	08:00-15:00/R	08:00:00	15:00:00	7+0			
	REMARKS							
PO	HARRIS, OPAL H	08:00-17:00/R	07:30:00	17:00:00				0+30
	REMARKS							
JZ	FAILE, TIMOTHY L	12:39-20:39/O	12:39:00	20:39:00				8+0
	REMARKS							
VZ	FULKS, SHAWN T	12:45-20:45/R	12:45:00	20:45:00		3+2		
	REMARKS							
YT	SPEIGHT, TIYE A	13:35-21:35/R	13:35:00	21:35:00			1+59	
	REMARKS							
RY	GREEN, BILLIE R, II	13:39-21:39/R	13:39:00	21:39:00				
	REMARKS							
LO	CALHOUN, KYLE A	14:00-22:00/R	14:00:00	22:00:00				
	REMARKS							
DJ	JENNINGS, DAVON S	14:00-22:00/R	14:00:00	22:00:00	8+0			
	REMARKS							
CX	SMALLWOOD, CHARLES T	14:00-22:00/R	14:00:00	22:00:00	8+0			
	REMARKS							
KO	COOK, KENNETH R	14:50-22:50/O	14:50:00	22:50:00				8+0
	REMARKS							
WH	HARVEY, WILLIAM A	14:53-22:53/R	14:53:00	22:53:00				
	REMARKS							
HN	HENRY, CHRISTOPHER B	16:00-24:00/R	15:50:00	00:00:00				0+10
	REMARKS							
YG	ADAMS, JAKE M	17:00-24:00/R	17:00:00	00:00:00				
	REMARKS							
DB	BITTMAN, DEREK R	17:00-24:00/R	16:58:00	00:00:00				0+2
	REMARKS							
GT	MENDEZ, JUAN M	17:00-24:00/R	17:00:00	00:00:00				
	REMARKS							

ZTL

Selected Report Dates: 3/24/2017 10:00:00 PM - 3/25/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
UF	RICH, JASON D	17:00-24:00/R	17:00:00	00:00:00		2+31		
REMARKS								



Federal Aviation Administration

Memorandum

Date: March 30, 2017

From: Christopher Wilbanks, Acting Air Traffic Manager,
Birmingham Airport Traffic Control Tower

To: Aircraft Accident File ZTL-ARTCC-0296

Subject: **INFORMATION:** Personnel Log Amendment
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

I hereby certify that the following personnel were not on operational duty on March 25, 2017.

Jeffery Jones
David Dworek
Sean Myers
Monique Phillips
Colin Belyeu
Terry Bradford
Eric Brake
Robert Clay
Jeffrey Duckworth
Kevin Green
Cecil Miles
Paul Williams

ZTL-ARTCC-0296
N6563D

ART - Sign On Log

3/27/2017 2:08:39 PM

BHM

Selected Report Dates: 3/24/2017 10:00:00 PM - 3/25/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
BL	LARY, BLAKE W	22 15-06 15/R	21 55 00	06 15 00			4+45	0+20
	REMARKS							
TY	TYSON, DAVID A	22 15-06 15/R	22 00 00	06 15 00			4+21	0+15
	REMARKS							
CD	DAWSON, CORY	05 45-13 45/R	05 45 00	13 45 00			0+8	
	REMARKS							
GQ	GUSTAVSON, CHRISTOPHER M	05 45-13 45/R	05 45 00	13 45 00			3+11	
	REMARKS							
CC	MORTON, CHRISTOPHER C	05 45-13 45/R	05 45 00	13 45 00			2+45	
	REMARKS							
SU	SULEIMAN, HANI I	05 58-13 58/R	05 58 00	13 58 00			4+13	
	REMARKS							
TM	MESSER, THOMAS S	07 00-15 00/R	07 00 00	15 00 00	8+0			
	REMARKS							
AM	MURPHY, ANDREA M	07 15-15 15/R	07 45 00	15 15 00	0+30			
	REMARKS							
BS	SHARP, BOBBY R	07 15-15 15/R	07 15 00	15 15 00		2+25	2+7	
	REMARKS							
MP	PENNINGTON, JOSEPH M	07 45-15 45/R	07 45 00	15 45 00			1+29	
	REMARKS							
OM	MOORE, OLYMPIA	08 00-16 00/R	08 00 00	16 00 00			1+25	
	REMARKS							
TK	TRAVICK, TRAY V	08 00-16 00/R	08 00 00	20 00 00				4+0
	REMARKS							
MW	WATERS, MARION M	10 00-20 00/R	10 00 00	20 00 00		2+14	0+33	
	REMARKS							
AE	ACREE, ANTWAN T	13 00-21 00/R	13 00 00	21 00 00				
	REMARKS							

BHM

Selected Report Dates: 3/24/2017 10:00:00 PM - 3/25/2017 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
KB	BARFIELD, KELSEY O	13 15-21 15/R	13 15 00	21 15 00			0+58	
	REMARKS							
AR	BUCKLEY, ANGELA A	13 15-21 15/R	13 15 00	21 15 00			2+56	
	REMARKS							
RJ	ROBERTS, JUSTIN D	13 15-21 15/R	13 15 00	21 15 00			1+22	
	REMARKS							
TR	ROBERTS, JACOB O	13 15-23 15/R	13 15 00	23 15 00			4+51	
	REMARKS							
JS	SMITH, JAVON R	14 45-22 45/R	14 00 00	22 45 00			1+1	0+45
	REMARKS							
NL	NELSON, JAMES B	16 00-24 00/R	14 00 00	00 00 00		2+3	3+29	2+0
	REMARKS							
SS	STOCKS, BRIAN L	16 00-24 00/R	16 00 00	00 00 00			1+34	
	REMARKS							

SECTION 6.

FAA Form(s) 7230-10, Position Log, or automated equivalent

ZTL-ARTCC-0296
N6563D

POSITION LOG					
Fac ID: ZTL		Log Date: 3/25/2017			
Pos ID: R09		Pos Type: R			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400	WJ	0529	C		
0530	AQ	0946	C		
0947	MB	1029	C		
1030	VT	1118	C		
1119	QD	1153	C		
1154	AT	1230	C		
1231	EF	1337	C		
1338	UK	1441	C		
1442	EF	1523	C		
1524	MB	1542	C		
1543	PB	1623	C		
1624	TU	1742	C		
1743	BW	1846	C		
1847	ZL	2002	C		
2003	JM	2102	C		
2103	MC	2202	C		
2203	DS	2344	C		
2345	JM	0027	C		
0028	BW	0116	C		
0117	CO	0208	C		

FAA Form 7230-10 (Electronic)

[illegible]

ZTL-ARTCC-0296
N6563D

POSITION LOG					
Fac ID: ZTL		Log Date: 3/25/2017			
Pos ID: R04		Pos Type: R			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400	KS	0528	C		
0529	WF	0929	C		
0930	OX	1106	C		
1107	ZA	1129	C		
1130	KY	1158	C		
1159	OX	1215	C		
1216	PO	1336	C		
1337	EU	1450	C		
1451	OX	1543	C		
1544	EU	1643	C		
1644	CG	1749	C		
1750	DX	1911	C		
1912	LO	1953	C		
1954	JZ	2102	C		
2103	GT	2239	C		
2240	DB	2252	C		
2253	LO	2358	T		
2253	VZ	2358	C		
2359	YT	0107	C		
0108	YG	0238	C		

FAA Form 7230-10 (Electronic)

[illegible]

ZTL-ARTCC-0296
N6563D

POSITION LOG					
Fac ID: ZTL		Log Date: 3/25/2017			
Pos ID: R13		Pos Type: R			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400	NC	0748	C		
0749	WJ	0946	C		
0947	QD	1029	C		
1030	UK	1115	C		
1116	PB	1125	C		
1126	BK	1129	C		
1130	BK	1216	C		
1217	PB	1311	C		
1312	MB	1331	C		
1332	GF	1441	C		
1442	QD	1533	C		
1534	UK	1631	C		
1632	DS	1709	C		
1710	VT	1754	C		
1755	DS	1852	C		
1853	GF	1938	C		
1939	CO	1944	C		
1945	NK	2116	C		
2117	BW	2237	C		
2238	MC	2321	C		

FAA Form 7230-10 (Electronic)

[illegible]

ZTL-ARTCC-0296
N6563D

POSITION LOG

Fac ID	BHM	Log Date	3/25/2017
Pos ID	SR	Pos Type	AP
TIME ON	Initials	TIME OFF	Code
		Where Combined To	
		Pos ID	Pos Type
0500		1049	LC LC
1050	CD	1057	C
1058	CD	1142	C
1143	SU	1211	C
1212	CD	1328	C
1329	CC	1421	C
1422	SU	1505	C
1506	AM	1610	R
1506	MW	1610	C
1611	BS	1728	C
1611	MP	1728	R
1729	AM	1839	T
1729	MW	1839	C
1840	BS	1948	C
1840	MP	1948	T
1949	NL	1949	C
1950	JS	2053	T
1950	NL	2053	C
2054	NL	2059	C
2100	NL	2159	C

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID	BHM	Log Date	3/25/2017	
Pos ID	SR	Pos Type	AP	
TIME ON	Initials	TIME OFF	Code	Where Combined To
				Pos ID Pos Type
2100	SS	2159	T	
2200	AE	2200	M	
2200	MW	2200	C	
2201	MW	2334	C	
2335	KB	0040	C	
0041	TR	0219	C	
0220	NL	0301	C	
0302	TR	0302	C	
0303		0459		LC LC

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: D13

Log Date: 3/25/2017
Pos Type: D

[illegible]

FAA Form 7230-10 (Electronic)

[illegible]

POSITION LOG

Fac ID: ZTL
Pos ID: R08

Log Date: 3/25/2017
Pos Type: R

[illegible]

ZTL-ARTCC-0296
N6563D

POSITION LOG					
Fac ID: ZTL		Log Date: 3/25/2017			
Pos ID: D08		Pos Type: D			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		1031		R08	R
1032		1119		D09	D
1120		1208		R08	R
1209		1434		D10	D
1435		1448		R08	R
1449		1637		D10	D
1638		1704		R08	R
1705	GF	1803	C		
1804	CO	1829	C		
1830	CO	1844	C		
1845	EY	1929	S		
1930		1940		R08	R
1941	BW	2031	C		
2032	MC	2102	C		
2103		2126		R08	R
2127	TX	2238	C		
2239		2340		R08	R
2341		2353		D10	D
2354		0142		R08	R
0143		0208		D09	D

FAA Form 7230-10 (Electronic)

[illegible]

[illegible]

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: D09

Log Date: 3/25/2017
Pos Type: D

[illegible]

FAA Form 7230-10 (Electronic)

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: ZTL		Log Date: 3/25/2017			
Pos ID: R10		Pos Type: R			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		1120		R09	R
1121	MB	1215	C		
1216	UK	1246	C		
1247	QD	1348	C		
1349	BK	1359	C		
1400	PB	1450	C		
1451	VT	1539	C		
1540	GF	1611	C		
1612	NK	1653	C		
1654	AT	1800	C		
1801	TX	1851	C		
1852		1957		R09	R
1958	TX	2051	C		
2052	ZL	2213	C		
2214	JM	2310	C		
2311	BW	2353	C		
2354	CO	0048	C		
0049	FG	0106	C		
0107		0359		R09	R

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: ZTL			Log Date: 3/25/2017		
Pos ID: D10			Pos Type: D		
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		1031		R10	R
1032		1119		D09	D
1120		1208		R10	R
1209	CJ	1308	C		
1309	TU	1403	C		
1404	CJ	1434	C		
1435		1448		R10	R
1449	BK	1531	C		
1532	GF	1538	C		
1539	CJ	1613	C		
1614	CU	1706	C		
1707		2340		R10	R
2341	NK	2352	C		
2353		0142		R10	R
0143		0208		D09	D
0209		0359		R10	R

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL

Log Date: 3/25/2017

Pos ID: A10

Pos Type: A

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: ZTL		Log Date: 3/25/2017			
Pos ID: R11		Pos Type: R			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		0359		R09	R
0400		1104		R09	R
1105	EF	1141	C		
1142	TU	1218	C		
1219	VT	1324	C		
1325	AT	1437	C		
1438	TU	1529	C		
1530	AT	1605	C		
1606	BW	1653	C		
1654	ZL	1756	C		
1757	CU	1903	C		
1904	FG	2031	C		
2032	CO	2152	C		
2153	NK	2300	C		
2301	CO	2320	C		
2321	TX	2357	C		
2358	MC	0017	C		
0018	ZL	0034	C		
0035	TX	0120	C		
0121		0359		R09	R

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL

Log Date: 3/25/2017

Pos ID: D11

Pos Type: D

[illegible]

FAA Form 7230-10 (Electronic)

[illegible]

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: A11

Log Date: 3/25/2017
Pos Type: A

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: ZTL

Log Date: 3/25/2017

Pos ID: D12

Pos Type: D

[illegible]

N6563D

ZTL-ARTCC-0296

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: R14

Log Date: 3/25/2017
Pos Type: R

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: ZTL
Pos ID: D14

Log Date: 3/25/2017
Pos Type: D

[illegible]

N6563D

ZTL-ARTCC-0296

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: ZTL		Log Date: 3/25/2017			
Pos ID: A5SUP2		Pos Type: O			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		1201		A5SUP	O
1202	UK	1215			
1216		1304		R42	R
1305	BK	1332	C		
1333	MB	1428	C		
1429	EF	1439	C		
1440	PG	1623	S		
1624	BK	1748	C		
1749	NK	1849	C		
1850	CO	1935	C		
1936		2143		A5SUP	O
2144	ZH	2152	S		
2153		0359		A5SUP	O

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: R01

Log Date: 3/25/2017
Pos Type: R

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: D01

Log Date: 3/25/2017
Pos Type: D

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL

Log Date: 3/25/2017

Pos ID: T01

Pos Type: H

TIME
ON

Initials

TIME
OFF

Code

Where Combined To:

Pos ID

Pos Type

0400

0359

R01

R

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: ZTL		Log Date: 3/25/2017			
Pos ID: R02		Pos Type: R			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		1306		R03	R
1307	CG	1433	C		
1434	OH	1553	C		
1554	DX	1700	C		
1701	KY	1801	C		
1802	RY	1824	C		
1825	JZ	1911	C		
1912	RY	2051	C		
2052	KO	2138	C		
2139	HN	2259	C		
2300	YT	2313	C		
2314	DB	2359	C		
0000	HN	0138	C		
0139	GT	0214	C		
0215		0359		R03	R

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: ZTL		Log Date: 3/25/2017			
Pos ID: D02		Pos Type: D			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		0851		D03	D
0852		1228		R02	R
1229		1306		D03	D
1307		1403		R02	R
1404	RK	1447	C		
1448		1815		R02	R
1816	RK	1857	C		
1858	WH	2028	C		
2029		2101		R02	R
2102	WH	2102	C		
2103	WH	2111	C		
2112		2114		R02	R
2115	DB	2158	C		
2159	JZ	2329	C		
2330	YG	0026	C		
0027	KO	0214	C		
0215		0216		R02	R
0217		0319		D03	D
0320		0359		R02	R

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: ZTL
Pos ID: T02

Log Date: 3/25/2017
Pos Type: H

[illegible]

N6563D

ZTL-ARTCC-0296

[illegible]

FAA Form 7230-10 (Electronic)

ZTL-ARTCC-0296
N6563D

POSITION LOG					
Fac ID: ZTL			Log Date: 3/25/2017		
Pos ID: R03			Pos Type: R		
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400	DF	0742	C		
0743	KS	0933	C		
0934	ZA	1021	C		
1022	OP	1033	C		
1034	CG	1230	C		
1231	OH	1350	C		
1351	OP	1544	C		
1545	ZA	1653	C		
1654	VZ	1750	C		
1751	PO	1832	C		
1833	OH	1855	C		
1856	KO	1954	C		
1955	HN	1959	C		
2000	HN	2105	C		
2106	YG	2225	C		
2226	KO	2330	C		
2331	GT	0100	C		
0101	DB	0229	C		
0230	HN	0312	C		
0313	DB	0353	C		

FAA Form 7230-10 (Electronic)

[illegible]

N6563D

ZTL-ARTCC-0296

[illegible]

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: T03

Log Date: 3/25/2017
Pos Type: H

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: D04

Log Date: 3/25/2017
Pos Type: D

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: T04

Log Date: 3/25/2017
Pos Type: H

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID: ZTL
Pos ID: A04

Log Date: 3/25/2017
Pos Type: A

[illegible]

POSITION LOG					
Fac ID: ZTL			Log Date: 3/25/2017		
Pos ID: R05			Pos Type: R		
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		1122		R04	R
1123	OP	1212	C		
1213	DX	1328	C		
1329	KY	1414	C		
1415	PO	1459	C		
1500	ZJ	1512	C		
1513	CG	1608	C		
1609	PO	1706	C		
1707	OH	1830	C		
1831	LO	1910	T		
1831	VZ	1910	C		
1911	VZ	1953	C		
1954	YT	2101	C		
2102	DB	2111	C		
2112	UF	2230	C		
2112	WH	2230	T		
2231	LO	2248	T		
2231	VZ	2248	C		
2249		0359		R04	R

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL

Pos ID: D05

Log Date: 3/25/2017

Pos Type: D

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL

Log Date: 3/25/2017

Pos ID: T05

Pos Type: H

TIME
ON

Initials

TIME
OFF

Code

Where Combined To:

Pos ID

Pos Type

0400

0359

R05

R

FAA Form 7230-10 (Electronic)

POSITION LOG					
Fac ID: ZTL			Log Date: 3/25/2017		
Pos ID: R06			Pos Type: R		
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		1118		R03	R
1119	EU	1236	C		
1237	ZA	1419	C		
1420	DX	1501	C		
1502	KY	1539	C		
1540	EU	1541	C		
1542	KY	1603	C		
1604	ZJ	1738	C		
1739	YT	1817	C		
1818	ZJ	1911	C		
1912	PO	2045	C		
2046	KO	2049	C		
2050	LO	2151	T		
2050	VZ	2151	C		
2152	RY	2332	C		
2333	UF	0046	C		
2333	WH	0046	T		
0047		0359		R03	R

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: D06

Log Date: 3/25/2017
Pos Type: D

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: T06

Log Date: 3/25/2017
Pos Type: H

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: A06

Log Date: 3/25/2017
Pos Type: A

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: A6SUP2

Log Date: 3/25/2017
Pos Type: O

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

Fac ID: ZTL
Pos ID: A6SUP

Log Date: 3/25/2017
Pos Type: O

[illegible]

FAA Form 7230-10 (Electronic)

[illegible]

FAA Form 7230-10 (Electronic)

[illegible]

ZTL-ARTCC-0296
N6563D

POSITION LOG

[illegible]

FAA Form 7230-10 (Electronic)

[illegible]

N6563D

POSITION LOG

Fac ID	BHM	Log Date	3/25/2017			
Pos ID	FD	Pos Type	DI			
TIME ON	Initials	TIME OFF	Code	Where Combined To	Pos ID	Pos Type
0500		1424		SR		AP
1425	OM	1514	C			
1515		1804		SR		AP
1805	AE	1909	C			
1910	JS	1944	C			
1945	JS	1949	C			
1950		2039		Closed		
2040	AE	2137	C			
2138		2218		SR		AP
2219	AR	2256	C			
2257		2323		SR		AP
2324	TR	0019	C			
0020	NL	0133	C			
0134		0459		SR		AP

ZTL-ARTCC-0296
N6563D

POSITION LOG						
Fac ID	BHM		Log Date	3/25/2017		
Pos ID	FD/CD		Pos Type	CD		
TIME ON	Initials	TIME OFF	Code	Where Combined To:		
				Pos ID	Pos Type	
0500		1049		GC	GC	
1050	GQ	1124	C			
1125		1244		GC	GC	
1245	MP	1413	C			
1414	GQ	1517	C			
1518	CC	1626	C			
1627	GQ	1732	C			
1733	CC	1814	C			
1815	AR	1913	C			
1914	OM	1914	C			
1915	OM	2039	C			
2040	RJ	2201	C			
2202	KE	2259	C			
2300	AE	0026	C			
0027		0459		LC	LC	

FAA Form 7230-10 (Electronic)

FAA Form 7230-10 (Electronic)

POSITION LOG

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG				Log Date 3/25/2017	
Fac ID	BHM	Pos ID	GC	Pos Type	GC
TIME	ON	0500	TIME	OFF	0459
			Initrals		
			Code		
			Pos ID	LC	LC
			Where Combined To		

FAA Form 7230-10 (Electronic)

POSITION LOG

Fac ID.	BHM	Log Date	3/25/2017		
Pos ID	LC	Pos Type	LC		
TIME ON	Initials	TIME OFF	Code	Where Combined To	
				Pos ID	Pos Type
0500	TY	0734	C		
0735	BL	1049	C		
1050	CC	1124	C		
1125	CC	1218	C		
1219	GQ	1244	C		
1245	GQ	1317	C		
1318	AM	1435	C		
1436	CD	1546	C		
1547	OM	1721	C		
1722	CD	1814	C		
1815	RJ	1918	C		
1919	KB	2112	C		
2113	JS	2259	C		
2300	RJ	0027	C		
0028	JS	0128	C		
0129	SS	0302	C		
0303	NL	0450	C		
0451	TY	0459	C		

POSITION LOG

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG									
Fac ID:	BHM	Log Date:	3/25/2017						
Pos ID:	SC	Pos Type	SC						
TIME	Initials	TIME	Code	Where Combined To	Pos ID	Pos Type			
ON		OFF							
0500	TY	0734	C						
0735	BL	1049	C						
1050	GQ	1124	C						
1125	CC	1218	C						
1219	GQ	1244	C						
1245	MP	1413	C						
1414	GQ	1517	C						
1518	CC	1626	C						
1627	GQ	1732	C						
1733	CC	1814	C						
1815	AR	1914	C						
1915	OM	2039	C						
2040	RJ	2201	C						
2202	KB	2259	C						
2300	AE	0027	C						
0028	JS	0128	C						
0129	SS	0302	C						
0303		0459	C						
					ST	SI			

FAA Form 7230-10 (Electronic)

[illegible]

FAA Form 7230-10 (Electronic)

POSITION LOG									
Fac ID	BHM	Log Date	Pos Type	Where Combined To	Pos ID	Pos Type	Code	TIME	Initials
Pos ID	ST	3/25/2017	SI					ON OFF	
0500					SC	SC		1049	
1050	CD						C	1057	
1058	SU						C	1216	
1217	BS						C	1307	
1308	TK						S	1351	
1352	BS						C	1507	
1508	SU						C	1626	
1627	NW						C	1659	
1700	SU						C	1834	
1835	TR						C	2034	
2035	AR						C	2121	
2122	TR						C	2232	
2233	NL						C	2331	
2332	AR						C	0040	
0041	TR						C	0219	
0220	NL						C	0301	
0302	TR						C	0302	
0303	NL						C	0450	
0451	TY						C	0459	

FAA Form 7230-10 (Electronic)

ZTL-ARTCC-0296
N6563D

POSITION LOG

[illegible]

FAA Form 7230-10 (Electronic)

N6563D

ZTL-ARTCC-0296

POSITION LOG

[illegible]

FAA Form 7230-10 (Electronic)

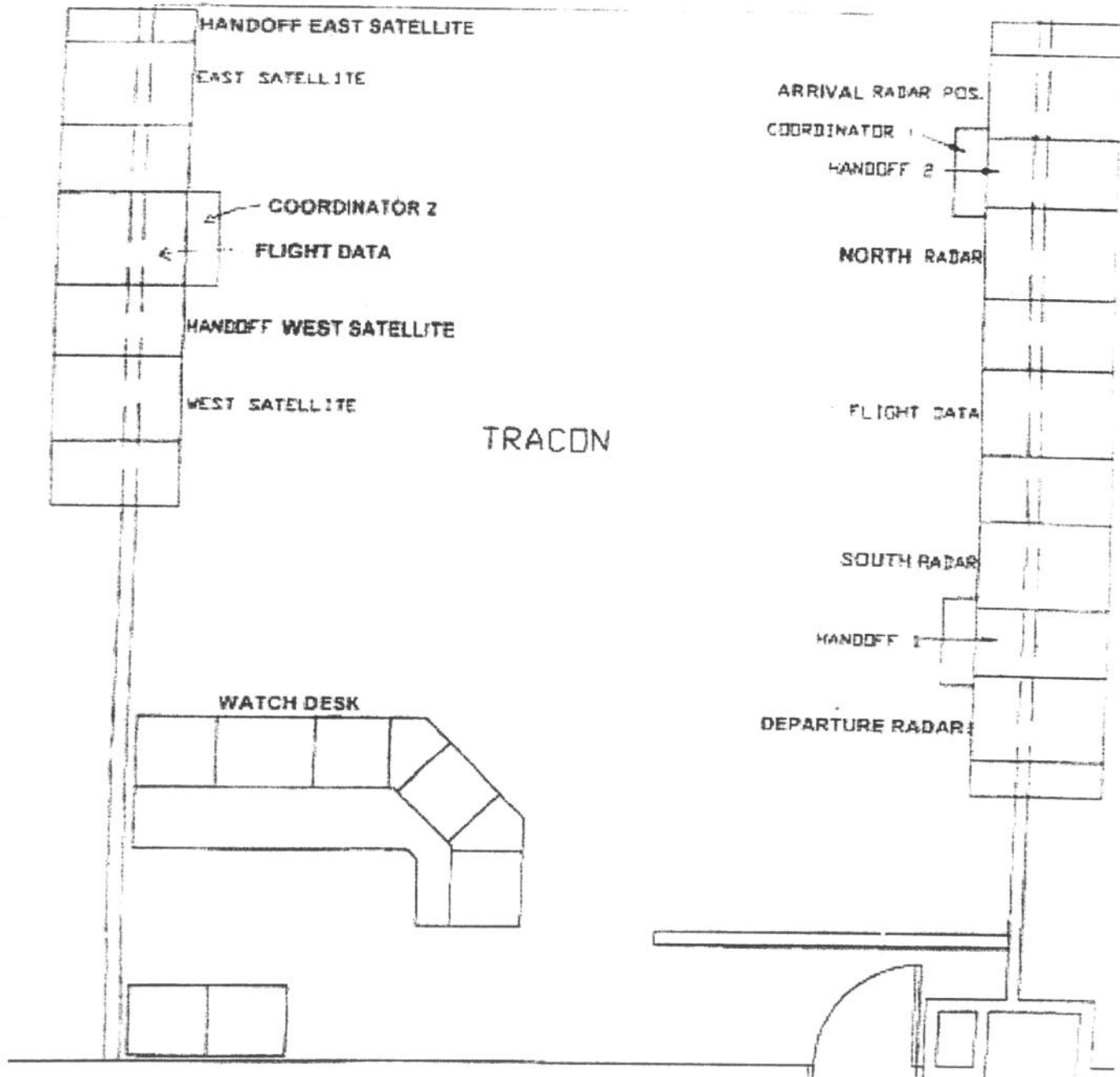
SECTION 7.
Facility Layout Chart(s)

ATLANTA ARTCC

OMIC	D40	AREA 7	R36		A26	T/R01	AREA 6	T/R02	D18	AREA 3	T/R16	
	T/R40		D/A36		A52	D/A26		D01	D/A02		R18	D16
	T/R39		A36		D/A52	R26		D/A05	A02		T/R15	A49
	D/A 39		D37		T/R52			T/R05	D03		D15	D/A49
	A39		T/R37		R25			T/R06	T/R03		A17	T/R49
	T/R41		T/R38		D/A25			D/A06	T/R04		D17	T/R50
	D41		D/A38		A25	SPILL		A06	D/A04		R17	D/A50
	A7SUP1/2		A38			OVER		A6SUP1/2	A04		A3SUP1/2	A50

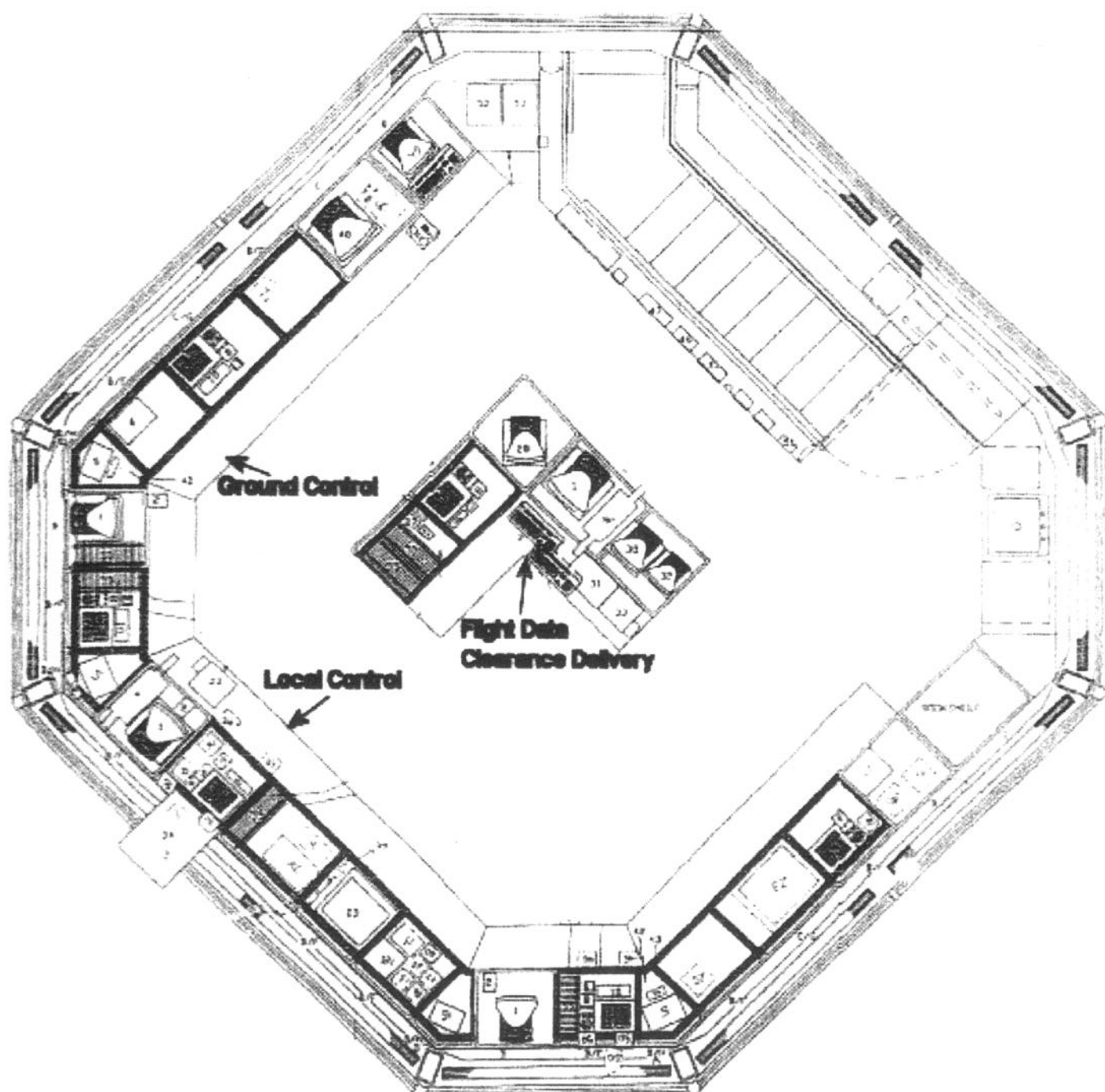
D46	AREA 1	A1SUP1/2		D28	AREA 2	A2SUP1/2		D11	AREA 5	A5SUP1/2		D21	AREA 4	A4SUP1/2
R46		A44		T/R28		A31		R11		A10		T/R21		R24
T/R45		D/A44		T/R33		D/A31		T/R08		D10		T/R22		D/A24
D45		T/R44		D/A33		T/R31		D08		T/R10		D22		A24
A48		T/R43		A33		T/R32		A08		T/R09		A23		D19
D/A48		D/A43		D29		D/A32		D13		D09		D/A23		T/R19
T/R48		A43		T/R29		A32		T/R13		A09		T/R23		T/R20
T/R42		D47		R30		R34		R14		R12		T/R27		D/A20
D42		T/R47		D30		D34		D14		D12		D27		A20

BHM TRACON layout



ATL-ARTCC-0269
N6563D

Birmingham TOWER Cab Layout



ZTL-ARTCC-0296
N6563D

SECTION 8.

Flight Progress Strip(s) and/or In-Flight Contact Record(s)

Flight Progress Strip(s)

FPS Atlanta ARTCC March 25, 2017 UTC

N6563D C210/G T160 G162 13 13 289 02/1	EUF	19 ²⁸	120	VUZ	KISM KMKL	7357
	125			325		
	008			031		
	1836			1940		
						E
	VUZ 046/005					ZME



Federal Aviation Administration

Memorandum

Date: March 30, 2017

From: [REDACTED]
Christopher Wilbanks, Acting Air Traffic Manager
Birmingham Airport Traffic Control Tower

To: Aircraft Accident File ZTL-ARTCC-0296

Subject: **INFORMATION:** Flight Progress Strip Statement
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

The original flight progress strip for N6563D cannot be located. A search of the facility TRACON and all areas used during the investigation was conducted including the trash cans. The search was conducted by the Support Specialist and a Front Line Manager separately. Additionally all of the flight progress strips for the day of the accident were checked. The original flight progress strip has been determined to be lost.

The facility was able to locate a flight progress strip that was printed after the altitude was amended in the FDIO to 12,000 feet. It shows a CID of 289 and a revision number of 1. This flight progress strip while not the original will be retained by the facility.

ZTL-ARTCC-0296
N6563D

SECTION 9.
Transcription of Voice Recording(s)



Federal Aviation Administration

Memorandum

Date: May 02, 2017

To: Aircraft Accident File ZTL-ARTCC-0296

From: Atlanta Air Route Traffic Control Center

Subject: **INFORMATION:** Partial Transcript
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

This transcription covers the Atlanta Air Route Traffic Control Center (ARTCC) R09 R position for the time period from March 25, 2017, 1834 UTC, to March 25, 2017, 1936 UTC.

Agencies Making Transmissions	Abbreviations
Montgomery Air Traffic Control Tower	MGM
Atlanta Air Route Traffic Control Center, Tiroe Sector	R09

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N6563D.


Julie Lueder
Quality Control Program Analyst
Atlanta ARTCC

1834
(1835-1903)
1904
1904:57 MGM tiroe montgomery sixty four line point out
1905
1905:01 R09 tiroe
1905:02 MGM (unintelligible) six five six three delta (unintelligible)
1905:05 R09 point out approved and birmingham has the hand off
1905:06 MGM and ah he's deviating to the right a little bit

ZTL-ARTCC-0296
N6563D

Page 2 of 2

1905:08 R09 i'll call birmingham and let em know
1905:10 MGM i'll let em know don't worry about it
1905:11 R09 oh okay appreciate it man t 1
1906
(1907-1935)
1936

End of Transcript



Federal Aviation Administration

Memorandum

Date: May 02, 2017
To: Aircraft Accident File ZTL-ARTCC-0296
From: Atlanta Air Route Traffic Control Center
Subject: **INFORMATION:** Partial Transcript
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

This transcription covers the Atlanta Air Route Traffic Control Center (ARTCC) R04 R position for the time period from March 25, 2017, 1841 UTC, to March 25, 2017, 2010 UTC.

Agencies Making Transmissions	Abbreviations
Birmingham Air Traffic Control Tower	BHM
Atlanta Air Route Traffic Control Center, West Departure Sector	R04
N6563D, C210	N6563D
Atlanta Air Route Traffic Control Center, Montgomery Sector Radar Associate	D13

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N6563D.

[REDACTED]

Julie Lueder
Quality Control Program Analyst
Atlanta ARTCC

1841
(1842-1910)
1911

1911:18 BHM west departure birmingham (unintelligible) point out

1911:20 R04 west

1911:21 BHM ah five correction six miles east of sylacauga november
six five six three delta is deviating for weather ah back

ZTL-ARTCC-0296
N6563D

Page 2 of 4

on course when able and ah one zero thousand

1911:29 R04 at one zero thousand point out approved 1 o

1911:32 BHM thanks
1912

1912:02 R04 and i said point out approved at ten and it looks like
he's going up so i'm not sure what that's about
1913
(1914-1922)
1923

1923:04 BHM west departure birmingham seven ninety six apareq

1923:07 R04 west departure

1923:08 BHM apareq november six five six three delta climbing to one
two thousand

1923:12 R04 approved

1923:13 BHM thanks (unintelligible)

1923:14 R04 1 o

1923:55 N6563D atlanta center centurion six five six three delta right
deviation avoiding storms climbing to twelve thousand

1924:03 R04 november six five six three delta atlanta center roger and
contact atlanta center one two seven point three

1924:08 N6563D one two seven point three six three delta
1925
(1926-1931)
1932

1932:34 R04 west and rome

1932:36 D13 yeah this is birmingham maxwell i got a point out for you
north of vulcan november six five six three delta he's ah
having issue with the weather he was at twelve thousand

and he's going ah down to six thousand he may be coming back up to twelve i'm not sure what he's trying to but if you could just take a point out on him for now

1932:39 R04 yeah point out and i'll block everything from six all the way up to twelve

1932:43 D13 okay thanks

1932:43 R04 yep (unintelligible)

1932:44 D13 j 1

1933

(1934-1938)

1939

1939:14 D13 override it's birmingham maxwell

1939:16 R04 hey it's west departure six three delta do we know where he's at now am i still kinda blocking out there i didn't know if he ended up working his way around the weather or

1939:22 D13 ah we're trying to find out we lost radar and communications and he was in a rapid

1939:25 D13 descent

1939:25 R04 oh

1939:26 D13 (unintelligible) descending out of six

1939:26 R04 okay

1939:27 R04 oh gotcha

1939:27 D13 so uh if you could just keep blocking twelve and below

1939:30 R04 yeah no absolutely

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1939:31 R04 yep

1939:31 D13 okay thanks

1939:32 R04 1 o

1939:32 D13 j 1

1940
(1941-2009)
2010

End of Transcript



Federal Aviation Administration

Memorandum

Date: April 28, 2017

To: Aircraft Accident File ZTL-ARTCC-0296

From: Atlanta Air Route Traffic Control Center

Subject: **INFORMATION:** Partial Transcript
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

This transcription covers the Atlanta Air Route Traffic Control Center (ARTCC) R13 R position for the time period from March 25, 2017, 1854 UTC, to March 25, 2017, 2011 UTC.

Agencies Making Transmissions	Abbreviations
N6563D, C210	N6563D
Atlanta Air Route Traffic Control Center, Montgomery Sector Radar	R13
N239RT, UNK	N239RT
Birmingham Air Traffic Control Tower	BHM

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N6563D.


Julie Lueder
Quality Control Program Analyst
Atlanta ARTCC

1854
(1855-1923)
1924

1924:19 N6563D atlanta center centurion six five six three delta at ten thousand eight hundred climbing to twelve to avoid storms in the right deviation

1924:29 R13 november five six five six three delta atlanta center i'm showing moderate to extreme precip anywhere from ah nine o'clock about ten miles twelve o'clock about five miles and then northbound moderate to extreme precip ah from one to two o'clock and twenty miles and then all of this

extends another thirty forty miles on your route of flight did you say you are deviating or you need to deviate

1924:53 N6563D i am on a right deviation but i'll go anywhere you think it'd be a quick ride across

1924:57 R13 ah i don't i don't really see a better way than what you're doing if you want to just continue to pick your way through the precip that's fine and then when able ah direct destination let us know when you're on course

1925:11 N6563D roger that six five six three delta
1926
(1927-1928)
1929

1929:47 R13 november six three delta watch your altitude maintain one two thousand

1929:51 N6563D *(i'm trying)

1929:57 R13 november six three delta check your altitude maintain one two thousand

1930:08 R13 november six five six three delta atlanta center

1930:16 N6563D i'm trying i'm trying

1930:21 R13 november six five six three delta atlanta center how do you read

1930:29 N6563D i'm having some trouble six five six three delta

1930:32 R13 six three delta sir you're you're losing altitude i need you to watch your altitude

1930:37 N6563D i'm doing the best i can six five six three delta

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1930:40	R13	okay if you want to go back to the east go back to the east you'll get away from that precip if you can go back to a ninety heading or something like that
1930:57	R13	november six five six three delta if you can head to the east or southeast away from that weather you can get you can get away from it and ah ah if you're in some um moderate extreme *(pre) chop i think getting to the east would be better
1931:15	N6563D	i'm working it six five six three delta
1931:17	R13	okay sir watch your altitude
1931:58 1932	R13	november six five six three delta atlanta how you doin
1932:04	N6563D	(unintelligible)
1932:11	R13	november six five six three delta i'm showing you're *(loo) descending at five thousand eight hundred at this time check your altitude
1932:33	R13	november six five six three delta atlanta how do you read
1932:53 1933 1934 1935	R13	november six five six three delta atlanta center
1935:12	R13	november two three nine romeo tango i need you to write down a call sign and i need you to try to get in touch with this airplane as soon as you can
1935:20	N239RT	okay fire away
1935:21	R13	november six five six three delta his call sign is november six five six three delta broadcast in the blind and let me know if you can get ahold of him
1935:31	N239RT	okay we'll do- - -aircraft november six five six three delta this is two three nine romeo tango

1935:47 N239RT november six five six three delta nine romeo tango

1936:00 N239RT and for romeo tango we're not hearing anything at all and even with the squelch

1936:04 R13 november two three nine romeo tango thanks a lot you may deviate to the right continue deviating right when able
lexington let me know ah when you are direct lexington
1937

1937:17 R13 november nine romeo tango try that call sign one more time
november six five six three delta try em one more time

1937:24 N239RT alright aircraft november six five six three delta how do you hear

1937:36 N239RT november six five six three delta romeo tango how do you hear

1937:46 N239RT not a peep

1937:47 R13 okay thank you sir i appreciate it
1938
1939
1940

1940:04 BHM maxwell birmingham ninety six

1940:06 R13 maxwell birmingham

1940:07 BHM hey that centurion we just got a the centurion that you lost radar on

1940:11 R13 yeah

1940:11 BHM we just got a call from the police department he definitely went down

1940:13 R13 okay

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1940:13 BHM there're starting search and rescue we called the den we
called we're on the phone blount county sheriff's
department that's the ah local law enforcement that's in
that area

1940:21 R13 okay

1940:22 BHM and ah i guess we'll keep you updated with what they find
out

1940:24 R13 okay alright thank you

1940:24 BHM thanks (unintelligible)

1940:24 R13 g f
1941
(1942-2010)
2011

End of Transcript

*This portion of the copy of the recording is not entirely clear, but this
represents the best interpretation possible under the circumstances.



Federal Aviation Administration

Memorandum

Date: April 28, 2017

To: Aircraft Accident File ZTL-ARTCC-0296

From: Atlanta Air Route Traffic Control Center

Subject: **INFORMATION:** Partial Transcript
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

This transcription covers the Atlanta Air Route Traffic Control Center (ARTCC) D13 D position for the time period from March 25, 2017, 1900 UTC, to March 25, 2017, 2012 UTC.

Agencies Making Transmissions	Abbreviations
Atlanta Air Route Traffic Control Center, Montgomery Sector Radar Associate	D13
Birmingham Air Traffic Control Tower	BHM
Atlanta Air Route Traffic Control Center, Montgomery Sector Radar	R13
N6563D, C210	N6563D
Atlanta Air Route Traffic Control Center, West Departure Sector	R04
N239RT, UNK	N239RT

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N6563D.


Julie Lueder
Quality Control Program Analyst
Atlanta ARTCC

1900
(1901-1929)
1930

1930:34 D13 birmingham ninety six line birmingham

1930:38 BHM code seven three five seven's point out approved

1930:40 D13 no six three delta i don't know what he's doing he's just
losing altitude we're trying to figure out what he's
doing and if you'll just watch him if we can if he if he
can climb we'll we're gonna

1930:48 BHM we'll watch him

1930:48 D13 (unintelligible)

1930:49 BHM (unintelligible) we'll watch him alright

1930:49 D13 alright thanks *(j l)
1931

1931:09 R13 chop i think getting to the east would be better

1931:15 N6563D i'm working it six five six three delta

1931:17 R13 okay sir watch your altitude

1931:58 R13 november six five six three delta atlanta how you doin

1932:04 N6563D (unintelligible)

1932:11 R13 november six five six three delta i'm showing you're
*(loo) descending at five thousand eight hundred at this
time check your altitude

1932:34 R04 west and rome

1932:36 D13 yeah this is birmingham maxwell i got a point out for you
north of vulcan november six five six three delta he's ah
having issue with the weather he was at twelve thousand
and he's going ah down to six thousand he may be coming
back up to twelve i'm not sure what he's trying to but if
you could just take a point out on him for now

1932:39 R04 yeah point out and i'll block everything from six all the
way up to twelve

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N6563D

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1932:43	D13	okay thanks
1932:43	R04	yep (unintelligible)
1932:44	D13	j 1
1932:53	R13	november six five six three delta
1932:53	BHM	hey maxwell birmingham birmingham birmingham south
1932:56	D13	birmingham maxwell
1932:57	BHM	hey uh that point out that we took are y'all still talking to him or is he off the radio
1933:01	D13	he is ah we were talking to him he's not responding
1933:04	BHM	okay
1933:04	D13	ah
1933:05	BHM	alright
1933:05	D13	(unintelligible) call back
1933:07	BHM	ah um
1933:08	D13	we lost radar on him do you
1933:08	BHM	yeah i'm gonna call the den man he was dropping altitude really rapidly
1933:11	D13	okay do you see him on radar cause we

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1933:13 BHM no he's off the radar man

1933:15 D13 (unintelligible)

1933:15 BHM i'm gonna call the den and issue er i'm i'm telling you
you should probably issue an alnot or we will

1933:18 D13 okay

1933:19 BHM alright thanks

1933:20 D13 thanks (unintelligible)
1934
1935

1935:12 R13 november two three nine romeo tango i need you to write
down a call sign and i need you to try to get in touch
with this airplane as soon as you can

1935:20 N239RT okay fire away

1935:21 R13 november six five six three delta his call sign is
november six five six three delta broadcast in the blind
and let me know if you can get ahold of him

1935:31 N239RT okay we'll do- - aircraft november six five six three
delta this is two three nine romeo tango

1935:47 N239RT november six five six three delta nine romeo tango

1936:00 N239RT and for romeo tango we're not hearing anything at all and
even with the squelch

1936:04 R13 november two three nine romeo tango thanks a lot you may
deviate to the right continue deviating right when able
lexington let me know ah when you are direct lexington

1937

1937:17 R13 november nine romeo tango try that call sign one more time
november six five six three delta try em one more time

1937:24 N239RT alright aircraft november six five six three delta how do
you hear

1937:46 N239RT not a peep

1937:47 R13 okay thank you sir i appreciate it
1938

1938:12 BHM birmingham ah graham thirty one line question

1938:16 D13 birmingham

1938:17 BHM yeah i had a that november six five six three delta pop on
up on my scope then i saw his transponder was lost is
everything okay

1938:23 D13 ah well i think we ah lost communications and radar with
him ah we're not sure so um he is ah haven't talked to
him here in a couple minutes but i'll call you back ah
when we get some more information

1938:33 BHM alright okay thank you

1938:34 D13 thank you unintelligible

1938:34 BHM (unintelligible)
1939

1939:14 D13 override it's birmingham maxwell

1939:16 R04 hey it's west departure six three delta do we know where
he's at now am i still kinda blocking out there i didn't
know if he ended up working his way around the weather or

1939:22 D13 ah we're trying to find out we lost radar and
communications and he was in a rapid

1939:25 R04 oh

1939:25 D13 descent

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1939:26	R04	okay
1939:26	D13	(unintelligible) descending out of six
1939:27	R04	oh gotcha
1939:27	D13	so uh if you could just keep blocking twelve and below
1939:30	R04	yeah no absolutely
1939:31	D13	okay thanks
1939:31	R04	yep
1939:32	D13	j 1
1939:32	R04	l o
1940		
1941		
1941:11	D13	hamilton birmingham maxwell thirty one
1941:13	BHM	hamilton
1941:14	D13	yeah reference november six five six three delta ah we just got confirmation that he did end up crashing ah so you can end up i don't know if you're still watching the data block or not but ah he's down
1941:24	BHM	oh he is down
1941:25	D13	he is down
1941:26	BHM	alright thanks
1941:27	D13	thanks j 1
1942		

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(1943-2011)
2012

End of Transcript

*This portion of the copy of the recording is not entirely clear, but this represents the best interpretation possible under the circumstances.



Federal Aviation Administration

Memorandum

Date: May 02, 2017

To: Aircraft Accident File ZTL-ARTCC-0296

From: Atlanta Air Route Traffic Control Center

Subject: **INFORMATION:** Partial Transcript
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

This transcription covers the Atlanta Air Route Traffic Control Center (ARTCC) A5SUP O position for the time period from March 25, 2017, 1903 UTC, to March 25, 2017, 2022 UTC.

Agencies Making Transmissions	Abbreviations
Atlanta Air Route Traffic Control Center, Operations Manager in Charge 2	OMIC2
Atlanta Center ARTCC Area Five Supervisor Position	A5SUP
Atlanta Air Route Traffic Control Center, Operations Manager in Charge 1	OMIC1
Birmingham Air Traffic Control Tower	BHM

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N6563D.

Julie Lueder
Quality Control Program Analyst
Atlanta ARTCC

1903
(1904-1932)
1933

1933:04 OMIC2 atlanta center watch desk cardell

1933:06 A5SUP hey craig um november six five six three delta you might
want to pull him up he's just off of birmingham he
supposed to be heading northbound he was climbing to

twelve he started losing altitude big time he's doing
circles we're talking to him but seems like he's having a
hard time with altitude last time i saw him he was xs

1933:24	OMIC2	six five
1933:24	A5SUP	six three delta
1933:25	OMIC2	six three delta
1933:25	A5SUP	he's just ah
1933:26	OMIC2	how high
1933:27	A5SUP	twelve climbing to twelve he started losing altitude and jim winton's over there he's trying to talk him through
1933:31	OMIC2	okay
1933:31	A5SUP	whatever he needs trying to get him away from weather
1933:34	OMIC2	(unintelligible)
1933:34	A5SUP	i don't know the whole story but we're we're trying
1933:36	OMIC2	okay
1933:36	A5SUP	but it may be an issue
1933:37	OMIC2	alright thanks
1933:38	A5SUP	yep
1934		
(1935-1945)		
1946		
1946:32	A5SUP	area five this is eric

1946:33 OMIC2 hey eric can you give me the phone er write the phone
number down and bring it up here to me to for ah who
called you saying the aircraft went down

1946:40 A5SUP it wasn't us it was ah the birmingham approach called the
controller and told him on sector

1946:45 OMIC2 um can you

1946:46 A5SUP i'll call birmingham

1946:46 OMIC2 call birmingham approach

1946:47 A5SUP yes

1946:47 OMIC2 find out who called them

1946:48 A5SUP i will yeah

1946:49 OMIC2 thanks bye

1946:55 OMIC1 watch desk willette

1946:56 A5SUP hey willette ah one more thing james hossenlop jumped on
the d side when it occurred do you want him up there

1947:00 OMIC1 yes

1947:01 A5SUP okay he's on his way up

1947:02 OMIC1 alright bye
1948

1948:23 BHM birmingham tower olympia speaking may i help you

1948:24 A5SUP hi this is eric over at atlanta center can i speak to well
i'm looking for the phone number and the contact

information of the i guess the sheriff's department that
let you guys know there was a ah crash site

1948:36 BHM oh okay ah um hold on one second let me see if i can ah
put you downstairs

1948:41 A5SUP okay thank you

1948:42 BHM alright
1949

1949:45 A5SUP northeast of birmingham yeah just about twenty fifteen
twenty miles northeast of birmingham right were the line
is he got in the weather (unintelligible) we talked to
him this time the whole time (unintelligible) no no no he
was departing birmingham i'm sorry he wasn't departing
birmingham he was off of kissimmee he was just flying
through that area oh yeah kissimmee florida yeah he's off
there and he was going to ah m k l (unintelligible) i
think they canceled stand up yeah they canceled it okay
do you need me to (unintelligible) you need any help
(unintelligible) no i'm i'm good

1950:25 BHM okay hold on one second okay

1950:26 A5SUP okay no i'm i'm good

1950:30 BHM birmingham approach

1950:31 A5SUP hey this is eric over at atlanta center um we're looking
for the contact information ah i guess the sheriff's
department of who let you know there was there was a

1950:40 BHM yeah yeah it's ah it's ah it's blount county nine one one
and the number that she gave me to go straight to her was
two zero five

1950:47 A5SUP two zero five

1950:48 BHM yep six two five

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N6563D

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1950:50 A5SUP six two five

1950:51 BHM four nine one three

1950:53 A5SUP four nine four three and it's b l o u

1950:56 BHM that

1950:56 A5SUP n t

1950:57 BHM yeah yeah but it's the the last four four nine one three

1951:00 A5SUP oh one three

1951:02 BHM she

1951:02 A5SUP okay

1951:03 BHM yeah and she said that if that was busy to try four nine one two

1951:06 A5SUP four nine one two okay

1951:07 BHM um hm

1951:08 A5SUP alright and that blount

1951:09 BHM ah

1951:09 A5SUP b l o

1951:10 BHM yeah

1951:10 A5SUP u n t was correct

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1951:12 BHM yes

1951:13 A5SUP for

1951:13 BHM that's that's correct

1951:14 A5SUP alright perfect thank you so much

1951:15 BHM yeah thanks man

1952

(1953-2021)

2022

End of Transcript



Federal Aviation Administration

Memorandum

Date: May 08, 2017

To: Aircraft Accident File ZTL-ARTCC-0296

From: Atlanta Air Route Traffic Control Center

Subject: **INFORMATION:** Partial Transcript
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

This transcription covers the Atlanta Air Route Traffic Control Center (ARTCC) OMIC2 OM position for the time period from March 25, 2017, 1903 UTC, to March 25, 2017, 2217 UTC.

Agencies Making Transmissions	Abbreviations
Atlanta Air Route Traffic Control Center, Operations Manager in Charge	OMIC2
Atlanta Center ARTCC Area Five Supervisor Position	A5SUP
Domestic Events Network	DEN
Eastern Service Center, Regional Operations Center	ROC
Eastern Service Center, Quality Control Group	QCG

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N6563D.


Julie Lueder
Quality Control Program Analyst
Atlanta ARTCC

1903
(1904-1932)

1933
1933:04 OMIC2 atlanta center watch desk cardell

1933:06 A5SUP hey craig um november six five six three delta you might want to pull him up he's just off of birmingham he

supposed to be heading northbound he was climbing to twelve he started losing altitude big time he's doing circles we're talking to him but seems like he's having a hard time with altitude last time i saw him he was xs

1933:24	OMIC2	six five
1933:24	A5SUP	six three delta
1933:25	OMIC2	six three delta
1933:25	A5SUP	he's just ah
1933:26	OMIC2	how high
1933:27	A5SUP	twelve climbing to twelve he started losing altitude and jim winton's over there he's trying to talk him through
1933:31	OMIC2	okay
1933:31	A5SUP	whatever he needs trying to get him away from the weather
1933:34	OMIC2	(unintelligible)
1933:34	A5SUP	i don't know the whole story but we're we're trying
1933:36	OMIC2	okay
1933:36	A5SUP	but it may be an issue
1933:37	OMIC2	alright thanks
1933:38	A5SUP	yep

1934
(1935-1941)
1942

1942:14 OMIC2 watch desk willette

1942:15 DEN hey ah atlanta this is the den calling i just want to make
 sure you guys got the word ah birmingham gave us a call
 reference a six five six three delta

1942:22 OMIC2 yeah we're i just walked up here but (unintelligible)
 we're working on now november six five six three delta
 right i haven't gotten the call sign from he's on the
 phone right now

1942:34 DEN alright if you give me i mean we got the with birmingham
 gave us a call and said that they lost radar on the
 aircraft down around two thousand feet um and i got a lat
 long if you gotta write this down

1942:44 OMIC2 i'm ready

1942:45 DEN it's ah three three five three five five

1942:48 OMIC2 three
1943
1944
1945

1945:07 ROC center bev

1945:08 OMIC2 hey bev this is rob brown over at atlanta center

1945:10 ROC yeah

1945:11 OMIC2 ah apparently we just had another plane crash

1945:13 ROC yeah ah near birmingham

1945:15 OMIC2 yeah

1945:16 OMIC2 ah what we're showing is i guess from the den to zero zero
 three at twenty um we lost radar with him we did call

weather we're gonna start getting some information out to you here soon

1945:27 ROC okay y'all know for sure he crashed

1945:29 OMIC2 yeah the birmingham ah was it the sheriff's officer there that called (unintelligible) fire department or sheriff's office or somebody called just a little while ago ah out to one of the areas and they confirmed that there's a aircraft that went down

1945:41 ROC okay y'all have a phone number for them so we can hook up this stuff

1945:44 OMIC2 i do not have a phone number for them yet ah let me see what i can get for you and then i'll give you a call back

1945:49 OMIC2 yes ma'am
1946
(1947-1956)
1957

1957:46 ROC f a a operations center chris

1957:48 OMIC2 hey chris rob brown atlanta center

1957:50 ROC hey

1957:51 OMIC2 reference that ah november six five six three delta that went down i got some more information for you for ah flight service said they had four souls on board

1958:00 ROC four souls on board

1958:01 OMIC2 yep and the information for the ah downed aircraft came from the blount county

1958:07 ROC (unintelligible)

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1958:07 OMIC2 sheriff's office

1958:08 ROC okay and ah

1958:11 OMIC2 that phone number's what bev wanted

1958:13 ROC i already talked to them we we talked to em

1958:15 OMIC2 oh you have okay cool

1958:16 ROC and um well anything else bev (unintelligible) stand by

1958:21 OMIC2 yep

1958:21 ROC (unintelligible)

1958:22 OMIC2 okay and now the you need the pilot's name

1958:24 ROC okay go ahead and give me the pilot's name

1958:26 OMIC2 it's ah joseph crenshaw c r e n s h a w

1958:29 ROC r e n

1958:32 OMIC2 s h a w

1958:33 ROC (unintelligible) alrighty

1958:37 OMIC2 and that came from jerrod at the d c hub for flight service

1958:40 ROC okay i've got that then stand by she's got ah i'm gonna put q c g on

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N6563D

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1958:45 OMIC2 okay

1958:50 ROC hey rob

1958:51 OMIC2 yes ma'am

1958:52 ROC okay ah johnny i have rob from z t l on

1958:56 OMIC2 hello

1958:56 QCG hi this is ah johnny morrow i'm the on call specialist in the quality control group

1959:02 OMIC2 uh huh

1959:02 QCG and then you're and you're where atlanta

1959:04 OMIC2 atlanta center yes

1959:05 QCG rob

1959:06 OMIC2 rob brown yes

1959:07 QCG rob brown okay so what what do we know right now about six three delta

1959:14 OMIC2 okay november six five six three delta is a centurion- -
-is a ah somebody was dialing here is a centurion c two
ten had a four souls on board according to flight service

1959:31 QCG okay

1959:32 OMIC2 pilot's name is joseph crenshaw

1959:35 QCG okay

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N6563D

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1959:36 OMIC2 um blount county alabama gave this call and confirmed it
the aircraft had gone down called actually didn't call us
they called ah the approach control there and the
approach control called us

1959:46 QCG and what county is that

1959:47 OMIC2 that's blount b l o u n t

1959:52 QCG okay so the aircraft's down

1959:55 OMIC2 uh huh

1959:55 QCG ah you don't know the fatalities yet

1959:57 OMIC2 do not know anything any of that yet

2000:00 QCG okay so you gonna ah you can gonna cancel the alnot

2000:03 OMIC2 affirmative

2000:04 QCG okay
2001
(2002-2144)
2145
2145:50 OMIC2 watch desk willette

2145:53 ROC hello

2145:54 OMIC2 hello

2145:55 ROC hey this is bev at the ops center

2145:56 OMIC2 hi bev just talking about you okay go ahead yes

2146:00 ROC hey ah the one in birmingham y'all are working on

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N6563D

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2146:03 OMIC2 yes

2146:04 ROC okay um fire rescue chief just called they did locate a
you know a a wing a couple doors this and that they they
did locate the fuselage with four fatals so

2146:16 OMIC2 four fatals

2146:17 ROC yeah it is now

2146:19 OMIC2 okay four fatals okay
2147
(2148-2216)
2217

End of Transcript



Federal Aviation Administration

Memorandum

Date: May 02, 2017
To: Aircraft Accident File ZTL-ARTCC-0296

From: Atlanta Air Route Traffic Control Center
Subject: **INFORMATION:** Partial Transcript
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

This transcription covers the Atlanta Air Route Traffic Control Center (ARTCC) OMIC1 OM position for the time period from March 25, 2017, 1915 UTC, to March 25, 2017, 2038 UTC.

Agencies Making Transmissions	Abbreviations
Atlanta Air Route Traffic Control Center, Executive Officer	XO
Atlanta Air Route Traffic Control Center, Operations Manager in Charge	OMIC1
1	
Atlanta Center ARTCC Area Five Supervisor Position	A5SUP
Atlanta Air Route Traffic Control Center, Quality Control	QC
Eastern Service Center, Regional Operations Center	ROC
Atlanta Air Route Traffic Control Center, Flight Data	FD

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N6563D.


Julie Lueder
Quality Control Program Analyst
Atlanta ARTCC

1915
(1916-1944)
1945
1945:43 XO hello

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1945:44 OMIC1 hey kelly willette

1945:45 XO hey willette

1945:46 OMIC1 how are you

1945:48 XO i am well how about yourself

1945:49 OMIC1 i am well we think we had another accident crash outside
of birmingham a few minutes ago

1945:55 XO were we talking to him

1945:57 OMIC1 yes

1945:58 XO okay

1945:59 OMIC1 and i (unintelligible) call sign

1946:01 XO oh

1946:01 OMIC1 i just walked to the watch desk rob is here but i just
walked up here and he asked me to call you and he's
called shaun so i was just calling

1946:07 XO he's already called shaun

1946:09 OMIC1 he has called shaun

1946:10 XO okay alright um just send send out ah information as you
get it that we lost him off radar

1946:17 OMIC1 yes it appears he was maybe at two he from what i can
guess just walked up here but he was we climbed him tried
to get him to climb up and he sort of spiraled down um
birmingham saw him last around two thousand feet where

they lost ah radar with him

1946:33 XO what type aircraft

1946:35 OMIC1 um what type of aircraft two ten cessna two ten

1946:40 XO okay alright

1946:43 OMIC1 alrighty

1946:44 XO um just (unintelligible)

1946:44 OMIC1 i'll open up the frack and then we'll let you know when know more

1946:48 XO okay thanks

1946:49 OMIC1 thanks

1946:56 A5SUP hey willette ah one more thing james hossenlop jumped on the d side when it occurred do you want him up there

1947:00 OMIC1 yes

1947:01 A5SUP okay he's on his way up

1947:02 OMIC1 alright bye
1948
(1949-1955)
1956

1956:26 OMIC1 watch desk willette

1956:28 QC hey willette i'm just giving you a call

1956:31 OMIC1 hey deanna so we lost one outside of birmingham confirmed going it went down ah cessna two ten um not exactly sure

hold on a sec hold on okay

1956:44 QC okay

1956:46 OMIC1 watch desk willette

1956:48 ROC this is chris at the at the ah roc what time did y'all
lose ah what time did y'all lose ah radar on that
aircraft

1956:58 OMIC1 ah chris hold on just a second okay let me find out do you
know what time we lost radar on the aircraft- -
-approximately like fifteen minutes ago but we're trying
to get you an exact time thirty five at nineteen thirty
five

1957:15 ROC nineteen thirty five

1957:16 OMIC1 yes

1957:16 ROC okay thank you ma'am

1957:17 OMIC1 okay

1957:21 OMIC1 okay alright deanna i'm back

1957:23 QC okay

1957:23 OMIC1 so i just got my packet from last night and um rob is on
with a o c c we're going through that call list now

1957:31 QC okay

1957:31 OMIC1 the difference is this time that um for this that we did
lose um birmingham lost them on radar at two thousand den
has called us already we've already talked to the roc ah
rob is going through the call list we've got that go

ahead

1957:45 QC what's the call sign

1957:47 OMIC1 um i don't that's the part let me get the call sign hold
1958 on (unintelligible) november six five six three delta

1958:02 QC and was birmingham the last facility to talk to him or
atlanta center

1958:05 OMIC1 atlanta center

1958:06 QC okay

1958:07 OMIC1 we were talking to him when he actually went out right
okay yep

1958:12 QC and the controllers have been pulled off position

1958:14 OMIC1 yep

1958:15 QC okay um and the time

1958:22 OMIC1 thirty five nineteen thirty five

1958:24 QC nineteen thirty five okay you guys need to listen to the
audio like a s a p and then we got to call shaun back

1958:33 OMIC1 okay alright ah rob (unintelligible) but i'll get ready to
pull audio

1958:37 QC okay
1959
(2000-2006)
2007
2007:25 FD flight data

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N6563D

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2007:26 OMIC1 you can cancel the alnot for november six five six three
delta

2007:30 FD okay located

2007:32 OMIC1 ah crashed

2007:33 FD okay

2007:34 OMIC1 okay
2008
(2009-2037)
2038

End of Transcript



Federal Aviation Administration

Memorandum

Date: April 27, 2017

To: Aircraft Accident File ZTL-ARTCC-0296

From: Birmingham Airport Traffic Control Tower

Subject: **INFORMATION:** Partial Transcript
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

This transcription covers the Birmingham Airport Traffic Control Tower (ATCT) SR AP position for the time period from March 25, 2017, 1835 UTC, to March 25, 2017, 2001 UTC.

Agencies Making Transmissions	Abbreviations
Montgomery ATCT	MGM
Birmingham ATCT South Radar	SR
Centurion N6563D	N6563D
Atlanta ARTCC, West Departure Sector (R04)	WEST
Atlanta ARTCC, Birmingham Sector (D13)	ZTLBHM

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N6563D.


Michael Grosse
Support Specialist
Birmingham Air Traffic Control Tower

1835
(1836-1904)

1905
1905:16 MGM birmingham montgomery nine twenty one apre

1905:21 SR birmingham

1905:22 MGM apre centurion six five six three delta he's deviating to the right uh maintaining one zero thousand and uh he'll report back on course

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N6563D

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1905:30	SR	approved m p
1906		
1906:03	N6563D	birmingham centurion six five six three delta one zero thousand right deviate
1906:09	SR	centurion six five six three delta birmingham approach birmingham altimeter three zero one zero advise when back on course
1906:17	N6563D	one zero advise back on course six three delta
1907		
(1908-1910)		
1911		
1911:09	SR	west departure birmingham seven ninety six point out
1911:19	SR	west departure birmingham seven ninety six point out
1911:21	WEST	west
1911:22	SR	uh five correction six miles east of sylacauga november six five six three delta he's deviating for weather uh back on course when able and one zero thousand
1911:30	WEST	at one zero thousand point out approved
1911:33	WEST	(unintelligible) x
1912		
1913		
1913:58	SR	november six three delta are you maintaining one zero thousand
1914:02	N6563D	uh six three delta i just noticed i apologize i'm descending down one zero thousand six three delta
1914:05	SR	six three delta maintain one zero thousand
1914:11	N6563D	maintaining one zero thousand six three delta
1915		
(1916-1919)		
1920		

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N6563D

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1920:50	N6563D	birmingham six five six three delta is requesting twelve thousand
1921		
1921:46	N6563D	six five six three delta request higher twelve thousand
1921:52	SR	november six three delta stand by
1922		
1923		
1923:05	SR	west departure birmingham seven ninety six apre
1923:08	WEST	west departure
1923:09	SR	apre november six five six three delta climb to one two thousand
1923:13	WEST	approved
1923:14	SR	thanks m p
1923:15	WEST	1 1
1923:15	SR	november six five six three delta climb and maintain one two thousand
1923:19	N6563D	one two thousand six three delta thank you
1923:26	SR	november six three delta contact atlanta center one three four point niner five good day
1923:32	N6563D	one three four point niner five good day
1924		
(1925-1929)		
1930		
1930:35	ZTLBHM	birmingham ninety six line birmingham
1930:39	SR	code seven three five seven point out approved
1930:41	ZTLBHM	no six three delta i don't know what he's doing he's just

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N6563D

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losing altitude we're trying to figure out what he's
doing if you'll just watch him if we can if he if he can
climb we'll we're gonna (unintelligible)

1930:48 SR we'll watch him

1930:49 ZTLBHM all right thanks (unintelligible)
1931
(1932-2000)
2001

End of Transcript



Federal Aviation Administration

Memorandum

Date: April 27, 2017

To: Aircraft Accident File ZTL-ARTCC-0296

From: Birmingham Airport Traffic Control Tower

Subject: **INFORMATION**: Partial Transcript
Aircraft Accident, N6563D
Hayden, AL, March 25, 2017

This transcription covers the Birmingham Airport Traffic Control Tower (ATCT) ST SI position for the time period from March 25, 2017, 1902 UTC, to March 25, 2017, 2013 UTC.

Agencies Making Transmissions	Abbreviations
Birmingham Operational Supervisor In Charge	OSIC
Atlanta ARTCC Montgomery/Maxwell Sector (R13)	MAX
Leidos Flight Service Station (LFSS) - Anniston	ASN

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N6563D.


Michael Grosse
Support Specialist
Birmingham Air Traffic Control Tower

1902
(1903-1931)

1932
1932:50 OSIC hey maxwell birmingham (unintelligible) ninety six

1932:56 MAX birmingham maxwell

1932:57 OSIC hey uh that point out that we took are you all still talking to him or is he off the radio

1933

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N6563D

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1933:01 MAX he is we were talking to him he is not responding

1933:04 OSIC okay

1933:05 MAX alright when he does

1933:06 OSIC yeah

1933:07 MAX we'll call back

1933:08 OSIC uh yeah i'm gonna call the den man he was dropping altitude really rapidly

1933:11 MAX okay do you see him on radar cause we

1933:14 OSIC no he's off the radar man i'm gonna call the den and issue an ur (unintelligible) i'm telling you you should probably issue an alnot or we will

1933:19 MAX okay

1933:20 OSIC alright thanks t r

1934
(1935-1940)
1941

1941:05 OSIC anniston radio birmingham three oh one line yeah he crashed somewhere

1941:09 ASN anniston

1941:10 OSIC hey this is birmingham i'm hoping you can give me some flight plan information for a november six five six three delta it looks like he has crashed and i've got local law enforcement wanting to know how many souls were on board if you got that information

1941:20 ASN wait let me see give me the call sign again

1941:22 OSIC it's november six five six three delta

1941:34 ASN (unintelligible) and uh do you know where he was landing at

1941:41 OSIC um where was he landing where was he suppose to land (unintelligible) um uh mike kilo lima

1941:49 ASN okay looks like he filed an i f r flight plan was he i f r

1941:54 OSIC yeah he's i f r he filed from kissimmee to mike kilo lima

1941:59 ASN okay yeah i got uh i got a copy of the flight plan here and uh

1942:03 OSIC okay

1942:04 ASN looks like they had four on board

1942:05 OSIC how many

1942:06 ASN four

1942:07 OSIC okay

1942:08 ASN and uh let's see he filed at this morning at sixteen thirty four

1942:14 OSIC (unintelligible) sixteen thirty four zulu i guess

1942:17 ASN yeah that was the time he actually filed for or actually filed the flight plan the proposed departure time was uh

1942:23 OSIC okay that's all i need i appreciate it sir

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1942:24 ASN no problem

1942:25 OSIC t r
1943
(1944-2012)
2013

End of Transcript

SECTION 10.

FAA Form(s) 8020-3, Facility Accident/Incident Notification Record

2000

Aircraft Identification

Date _____

Airport
 ZTL-ARTCC

The order and number of calls will be determined by the situation involved

[illegible]

SECTION 11.
Weather Products

Atlanta ARTCC

I certify the attached copy of weather documents originated from the Atlanta Center Weather Service Unit on March 25, 2017 and is an accurate copy of the original.

A black rectangular redaction box covering a handwritten signature.

Julie Lueder
Quality Assurance Program Specialist, Atlanta ARTCC

PIREPs between 17-21z within 100SM of BHM:

Data at: 2104 UTC 25 Mar 2017

BHM UA /OV VUZ320020/TM 1953/FL380/TP B738/TB LGT 380/RM ZTLFD

Weather data package for C210 accident approximately at 1935Z on Saturday afternoon, Mar 25, 2017.
Approx. location VUZ036017...approx. 20nm north of BHM airport (BHM013020).

METARs:

KBHM 252038Z 25008KT 5SM +TSRA BR BKN044CB OVC055 17/15 A3009 RMK AO2
WSHFT 1942 LTG DSNT S RAB06 TSB20 OCNL LTGIC NE TS NE MOV NE P0017
T01670150

KBHM 252023Z 24011G20KT 2 1/2SM +TSRA BR BKN045CB OVC055 17/14 A3010
RMK AO2 WSHFT 1942 RAB06 TSB20 OCNL LTGIC OHD TS OHD MOV NE P0002
T01670144

KBHM 252009Z 26015G23KT 8SM VCTS RA BKN045 OVC055 19/14 A3010 RMK AO2
WSHFT 1942 LTG DSNT S AND SW RAB06 TS VC SW MOV NE P0000 T01890139
KBHM 252002Z 26017G22KT 10SM OVC046 20/12 A3009 RMK AO2 WSHFT 1942 LTG
DSNT S AND SW T02000122

KBHM 251953Z 26016KT 10SM BKN046 BKN055 21/12 A3009 RMK AO2 SLP182
T02060117

↑

- KBHM 251853Z 16014G19KT 10SM FEW047 BKN060 26/13 A3010 RMK AO2 PK WND
20028/1807 LTG DSNT NW SLP187 T02560128

PIREPs between 17-21z within 100SM of BHM:

Data at: 2104 UTC 25 Mar 2017

BHM UA /OV VUZ320020/TM 1953/FL380/TP B738/TB LGT 380/RM ZTLFD

Attached:

ZTL CWA 101, Convective SIGMETs and AIRMETS. Copies of COSPA radar display
with lightning data, WARP lightning data with CWA and Convective SIGMETs
overlays

25 Mar 2017 14:00Z

Product CIL: WA4

WA4T

W036DFWT WA 251445

AIRMET TANGO UPDT 2 FOR TURB VALID UNTIL 252100

AIRMET TURB...OK TX AR TN LA MS AL AND CSTL WTRS
FROM OSW TO RZC TO 60ESE BWG TO 40W CEW TO 130ESE LEV TO 120SSW
LCH TO 40NE LRD TO 60WSW SJT TO 50W LBL TO OSW
MOD TURB BTN FL180 AND FL370. CONDS CONTG BYD 21Z THRU 03Z.

AIRMET TURB...OK TX AR TN LA MS AL AND CSTL WTRS
FROM OSW TO RZC TO 60ESE BWG TO 40W CEW TO 130ESE LEV TO 120SSW
LCH TO 40NE LRD TO 60WSW SJT TO 50W LBL TO OSW
MOD TURB BTN FL180 AND FL370. CONDS CONTG BYD 21Z THRU 03Z.

AIRMET TURB...OK TX AR TN LA MS AL KS MO WI LM MI IL IN KY
FROM 40WNW PMM TO 50SW FNT TO FWA TO CVG TO 60WSW MGM TO 30SE
LSU TO 40NW IAH TO 50SW LBB TO 50SW LBL TO 30NW ICT TO 20SSW RZC
TO 60E SGF TO 20SSW BDF TO 40SSW BAE TO 40WNW PMM
MOD TURB BLW 100. CONDS CONTG BYD 21Z THRU 03Z.

25 Mar 2017 14:00Z

Product CIL: WA4

WA4Z

036DFWZ WA 251445

AIRMET ZULU UPDT 2 FOR ICE AND FRZLVL VALID UNTIL 252100

AIRMET ICE...OK AR TN MS AL SD NE KS MN IA MO WI LM LS MI LH IL
IN KY

FROM 40SE YQT TO SSM TO YVV TO 40SSE ECK TO FWA TO CVG TO 50SSE
MEI TO 30SW MHZ TO 20S SQS TO 30SSE FSM TO 30W MLC TO 30SSE END
TO 60ENE HLC TO 30SE ONL TO 40WSW RWF TO 50NE MSP TO 40SE YQT
MOD ICE BTN FRZLVL AND FL200. FRZLVL SFC-100. CONDS CONTG BYD 21Z
THRU 03Z.

/usr/reap/data/print/alphaAAA1.aqX5

Sat Mar %2d 19:58:55 2017

1

25 Mar 2017 19:00Z

Product CIL: CWA

\001

230

FAUS21 KZTL 251904

ZTL1 CWA 251905

ZTL CWA 101 VALID UNTIL 252010

FROM 40S BNA-25W MGM-45S MEI-40S BNA

AREA HVY-EXTRM PCPN IN SHRA AND ISOLD EMBDD TS. MAX TOPS NR FL430.

MOVG FROM 22035KTS. EXP LTL CHG IN COVRG/INTST THRU PD.

=

409

WSUS32 KPCI 251755

SIGC

-MKCC WST 251755

CONVECTIVE SIGMET 60C

VALID UNTIL 1955Z

AL MS LA TX AND LA TX CSTL WTRS

FROM 20E MSL-60WSW MGM-90WSW LEV-50SE IAH-30ENE MCB-20E MSL
AREA TS MOV FROM 30025KT. TOPS ABV FL450

525

WSUS32 KPCI 251855

SIGC

-MKCC WST 251855

CONVECTIVE SIGMET 63C

VALID UNTIL 2055Z

AL MS LA AND MS LA CSTL WTRS

FROM 40W MGM-40ESE HRV-110S LCH-20NNW LSU-40W MGM
AREA TS MOV FROM 30025KT. TOPS ABV FL450.

/usr/reap/data/print/alphaCAAn.aqx5

Sat Mar %2d 19:59:24 2017

1

25 Mar 2017 19:00Z

Product CIL: SIG

SIGE

W036MKCE WST 251955

CONVECTIVE SIGMET 2E

VALID UNTIL 2155Z

TN AL

FROM 40SSW BNA-50NW MGM-30NE SJI

LINE TS 20 NM WIDE MOV FROM 21015KT. TOPS TO FL340.

25 Mar 2017 19:00Z

Product CIL: SIG

SIGC

036MKCC WST 251955

CONVECTIVE SIGMET 66C

VALID UNTIL 2155Z

AL MS LA AND MS LA CSTL WTRS

FROM 20SSW MEI-50SE MEI-50ENE LEV-110SSE LCH-20SSW MEI

AREA SEV TS MOV FROM 30025KT. TOPS ABV FL450.

HAIL TO 1 IN...WIND GUSTS TO 50KT POSS.

CONVECTIVE SIGMET 67C

VALID UNTIL 2155Z

MS

FROM 20ESE SQS-40ESE SQS-10S MHZ-30WNW MHZ-20ESE SQS

AREA SEV TS MOV FROM 24020KT. TOPS TO FL380.

HAIL TO 1 IN...WIND GUSTS TO 50KT POSS.

CONVECTIVE SIGMET 68C

VALID UNTIL 2155Z

MS LA CSTL WTRS

FROM 90E LEV-50SE LEV

LINE TS 20 NM WIDE MOV FROM 29020KT. TOPS ABV FL450.

OUTLOOK VALID 252155-260155

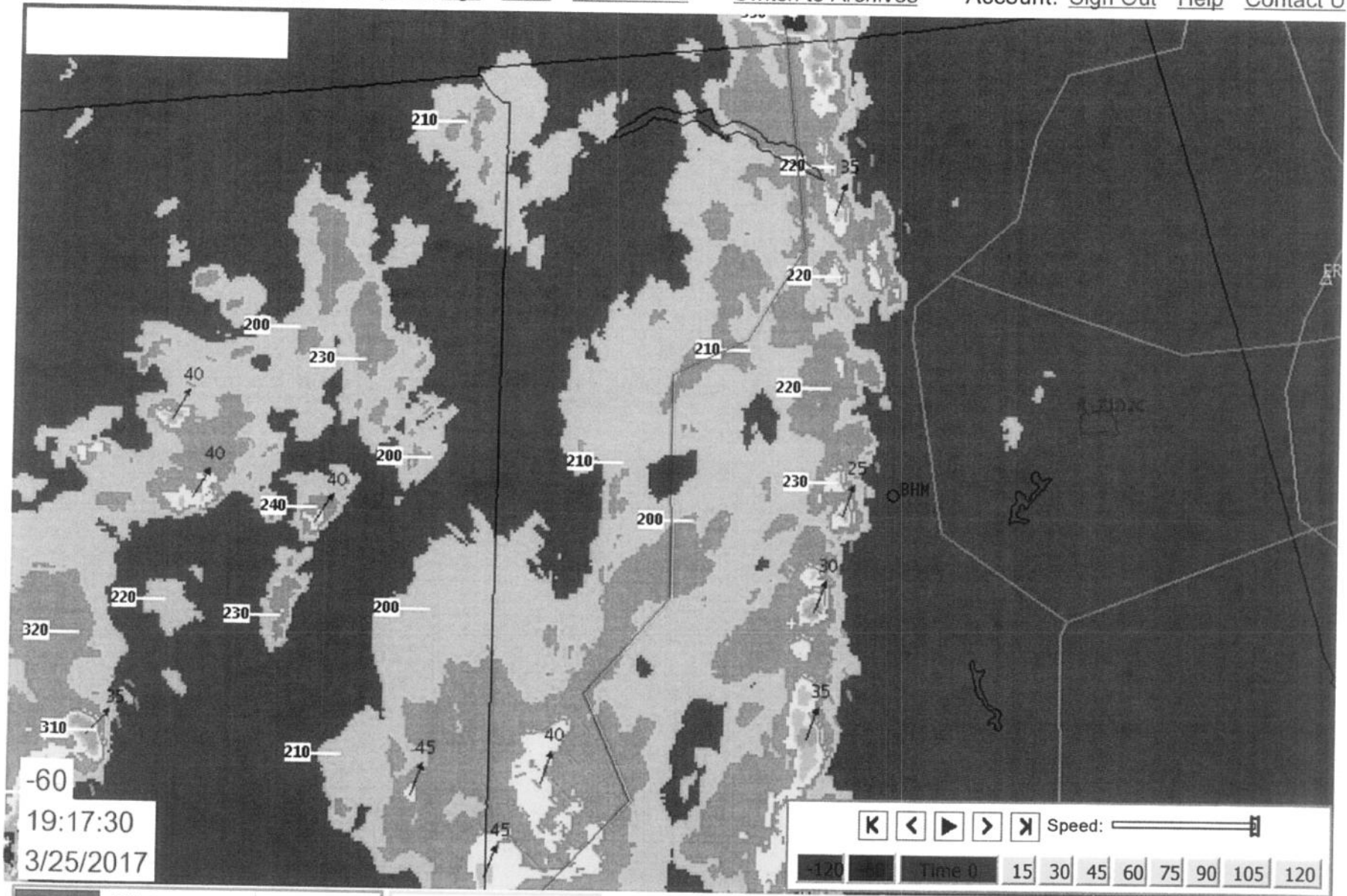
FROM 30W GIJ-200SE LEV-120ESE LEV-110S LCH-30ESE MEM-60SW MEM-70W

ARG-MCI-30W GIJ

WST ISSUANCES EXPD. REFER TO MOST RECENT ACUS01 KWNS FROM STORM

PREDICTION CENTER FOR SYNOPSIS AND METEOROLOGICAL DETAILS.

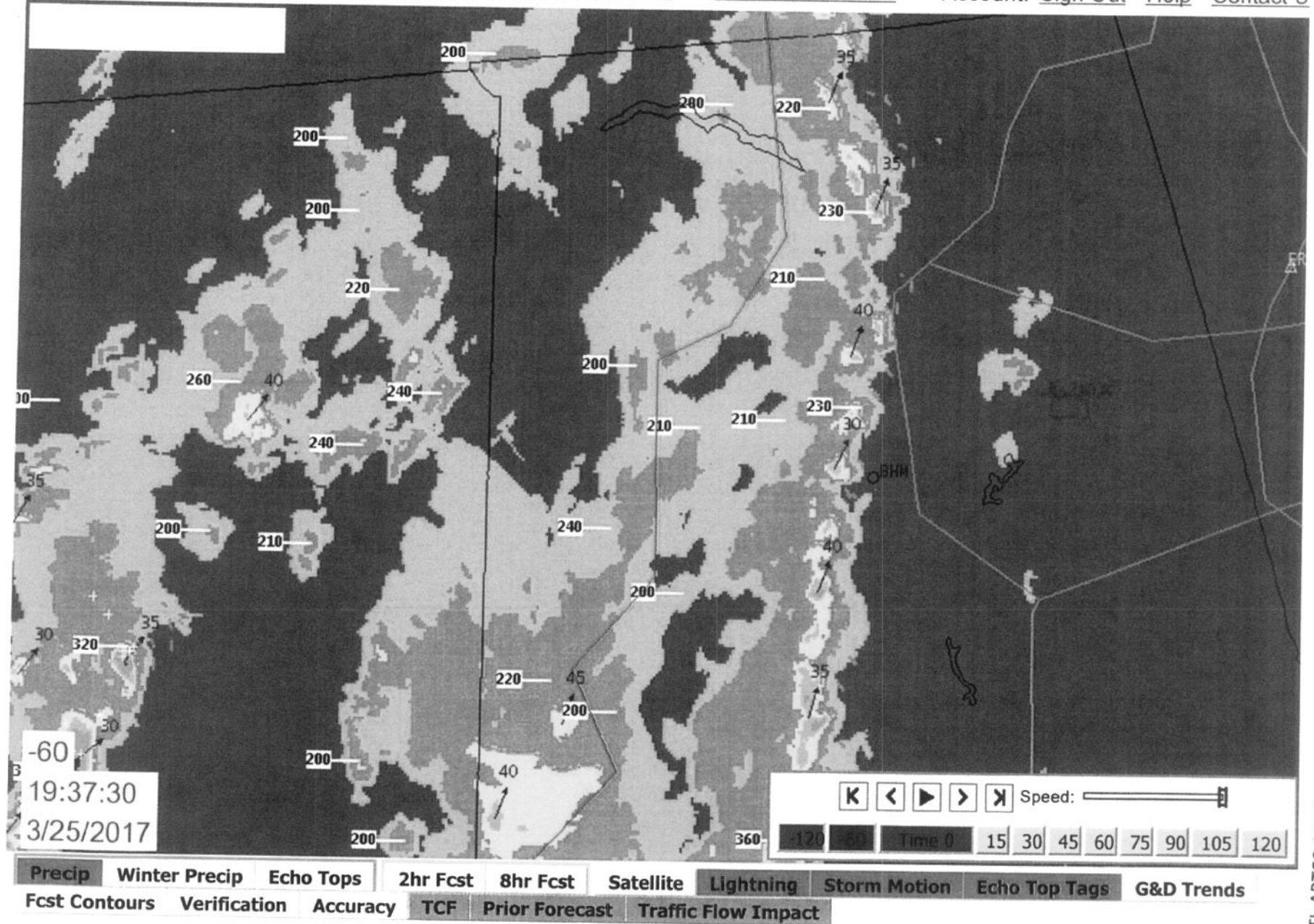
Settings: [Configs](#) [Overlays](#) [Loop Settings](#) [View](#) [Home: ATL](#) [Switch to Archives](#) Account: [Sign Out](#) [Help](#) [Contact U](#)



Precip Winter Precip Echo Tops 2hr Fcst 8hr Fcst Satellite Lightning Storm Motion Echo Top Tags G&D Trends
Fcst Contours Verification Accuracy TCF Prior Forecast Traffic Flow Impact

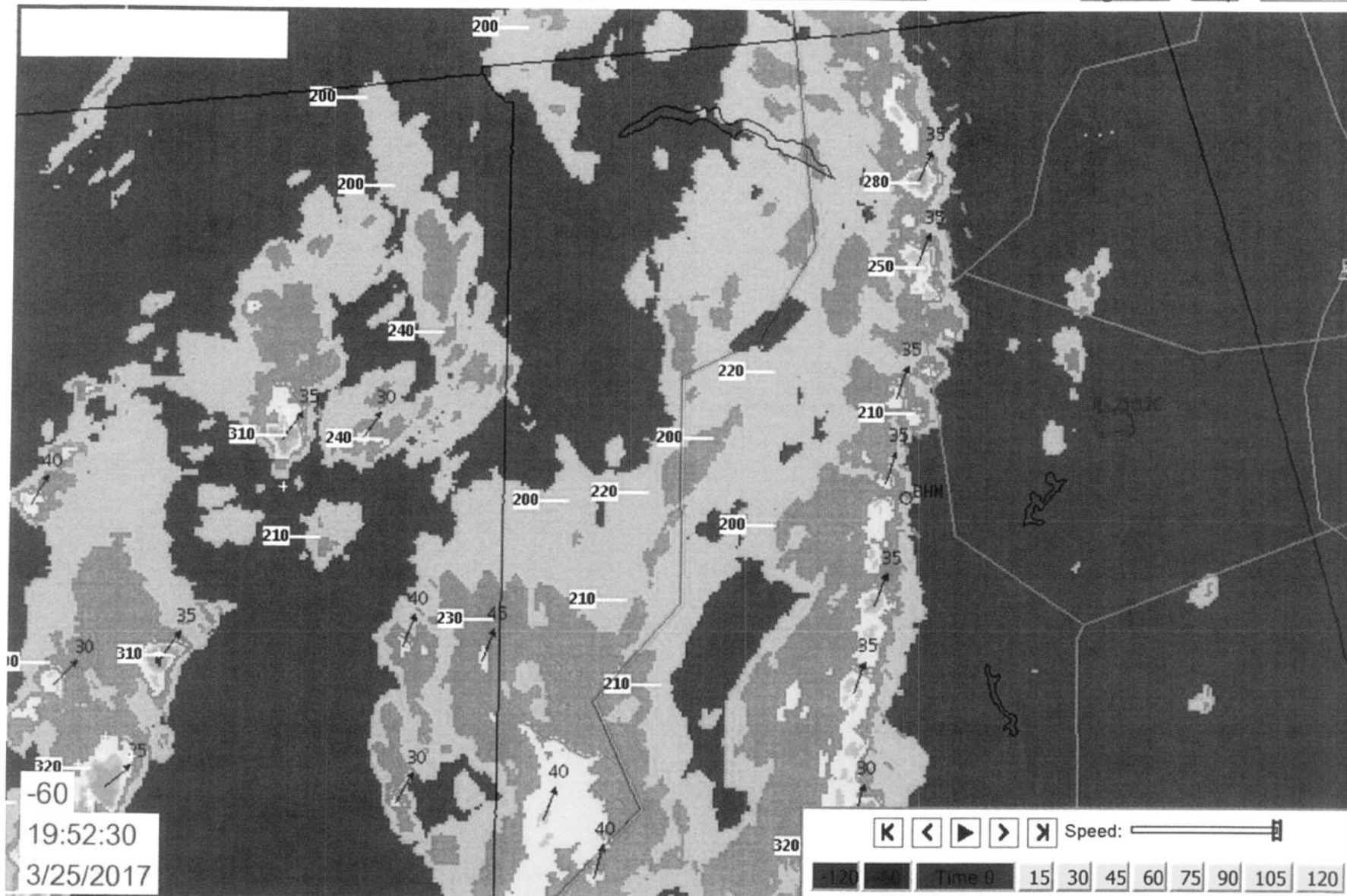
ZTL-ARTCC-0296
N6563D

Settings: [Configs](#) [Overlays](#) [Loop Settings](#) [View](#) [Home: ATL](#) [Switch to Archives](#) Account: [Sign Out](#) [Help](#) [Contact U](#)



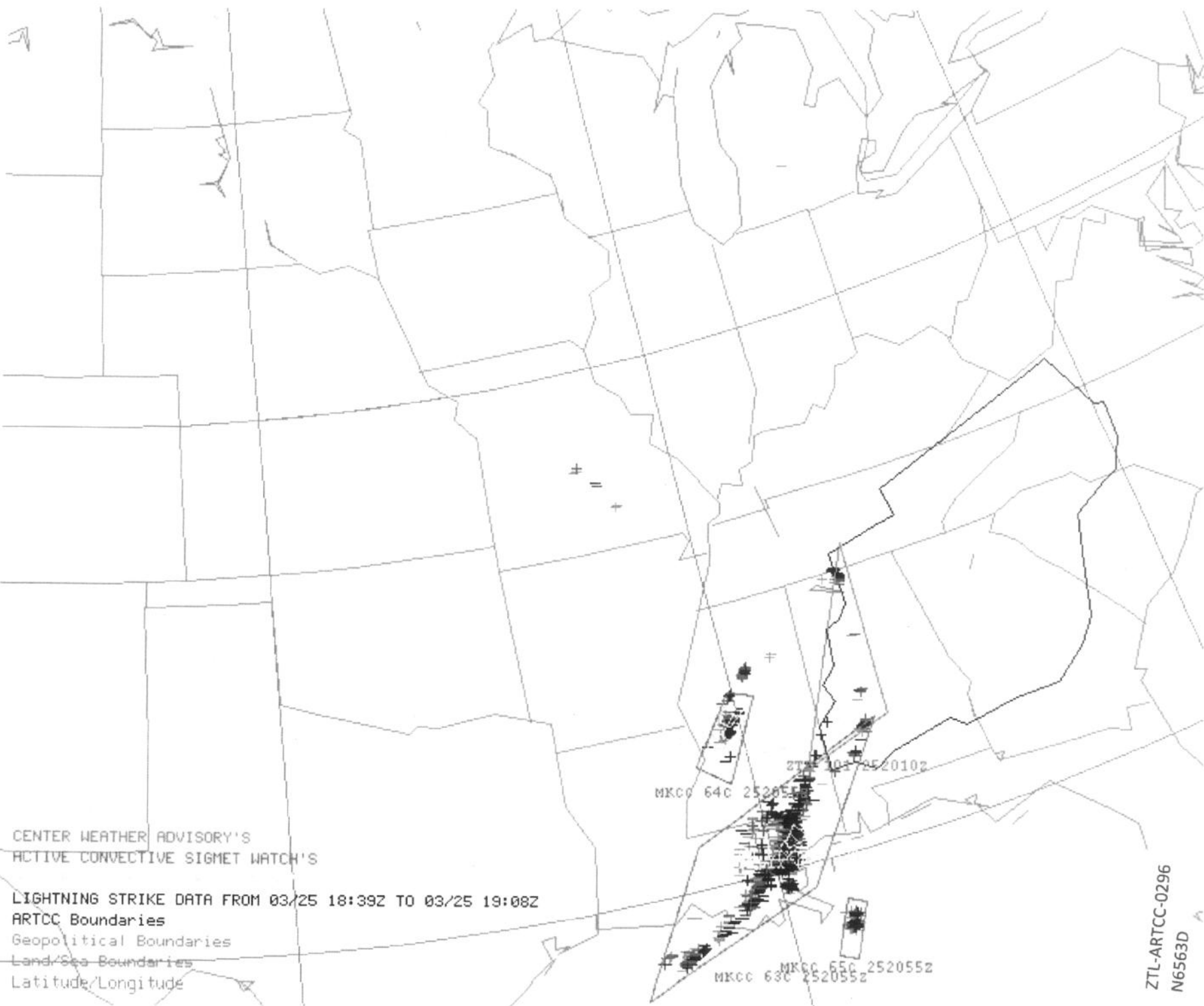
ZTL-ARTCC-0296
N6563D

Settings: [Configs](#) [Overlays](#) [Loop Settings](#) [View](#) [Home: ATL](#) [Switch to Archives](#) Account: [Sign Out](#) [Help](#) [Contact U](#)

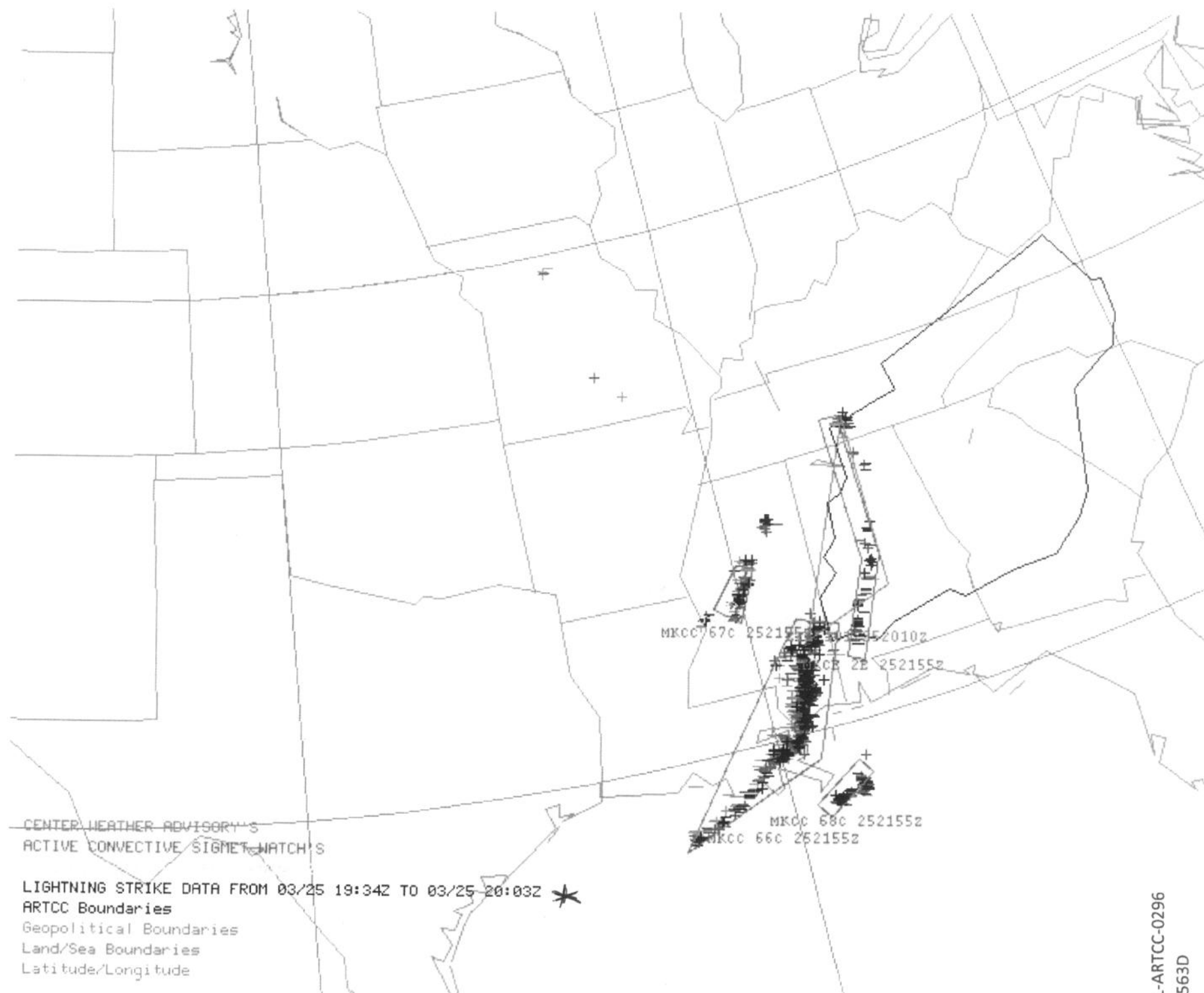


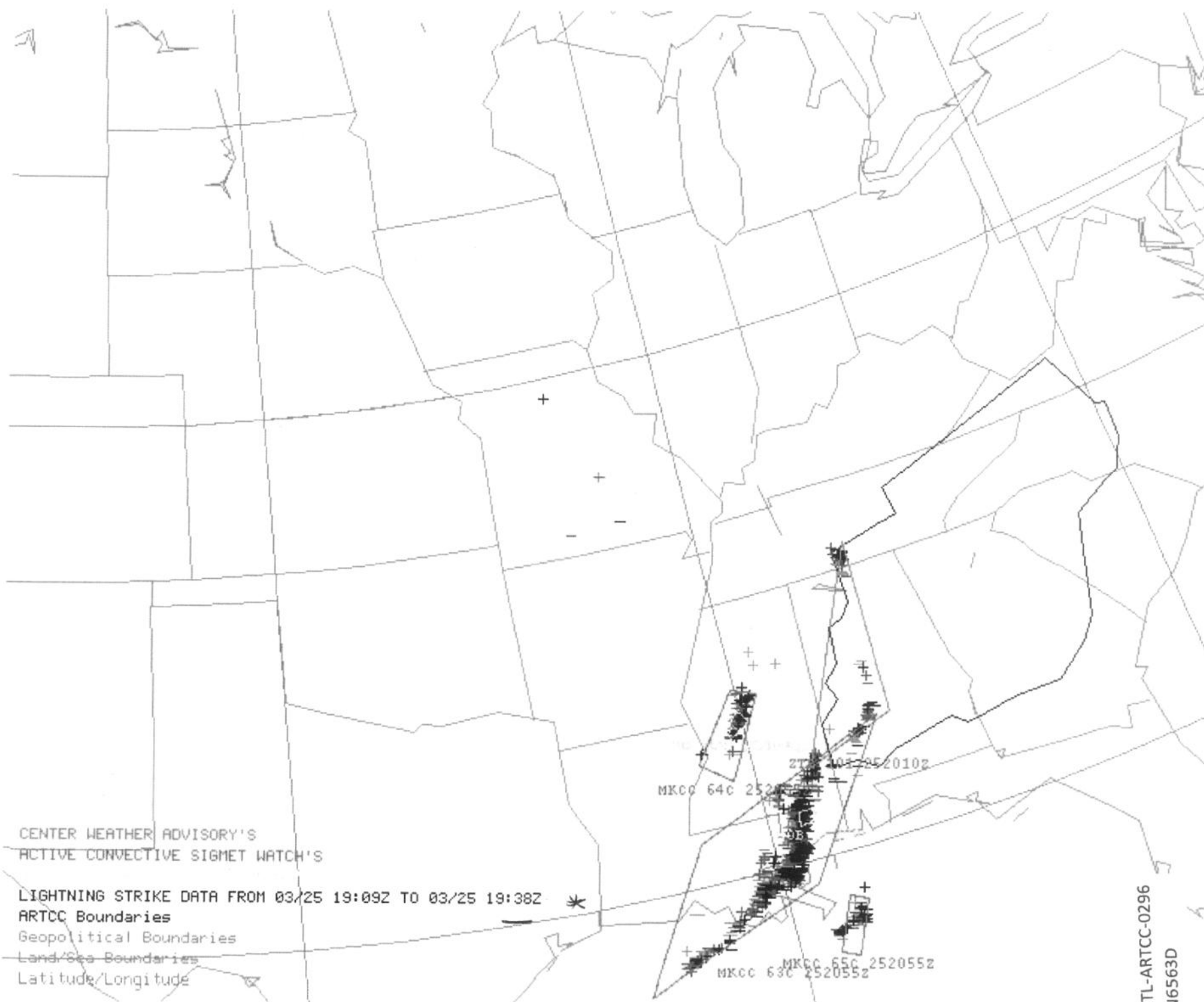
Precip Winter Precip Echo Tops 2hr Fcst 8hr Fcst Satellite Lightning Storm Motion Echo Top Tags G&D Trends
Fcst Contours Verification Accuracy TCF Prior Forecast Traffic Flow Impact

ZTL-ARTCC-0296
N6563D

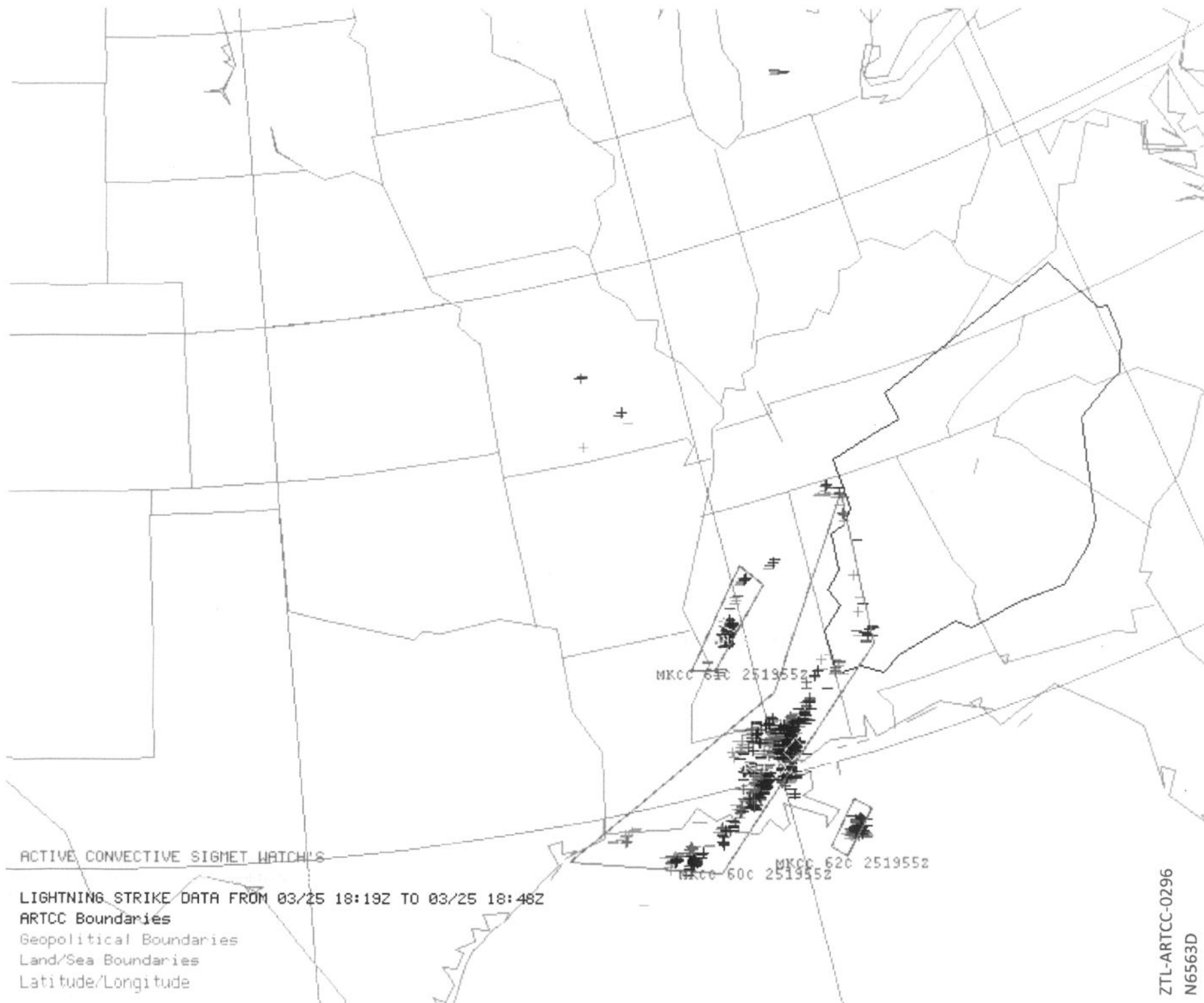


ZTL-ARTCC-0296
N6563D





ZTL-ARTCC-0296
N6563D



FORM CD-64
(REVISED)
Prescribed By
D.A.O. 201-17

U.S. DEPARTMENT OF COMMERCE

Asheville, N.C.

I CERTIFY that the attached are authentic and true copies of meteorological records on file in the NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION, ASHEVILLE, NORTH CAROLINA.


NANCY A. RITCHEY
RECORDS CUSTODIAN
DATA ADMINISTRATOR
(Official Title)

I HEREBY CERTIFY that NANCY A. RITCHEY, RECORDS CUSTODIAN, who signed the foregoing certificate, is now, and was at the time of signing, DATA ADMINISTRATOR, NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION, and that full faith and credit should be given his certificate as such. I further state that I am the person to whom the said custodian reports.

IN WITNESS WHEREOF, I have hereunto
subscribed my name and caused the
seal of the Department of Commerce
to be affixed
on this date: APR 04 2017

For the SECRETARY OF COMMERCE:


MARGARITA GREGG
DIRECTOR
NATIONAL CENTERS FOR
ENVIRONMENTAL INFORMATION
(Certifying Officer)

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration

 National Climatic Data Center
 Federal Building
 151 Patton Avenue
 Asheville, North Carolina 28801

**QUALITY CONTROLLED LOCAL
 CLIMATOLOGICAL DATA**
 (final)
HOURLY OBSERVATIONS TABLE
CAIRNS ARMY AIRFIELD (FORT RUCKER) (03850)
FORT RUCKER/OZARK, AL
(03/2017)

 Elevation: 301 ft. above sea level
 Latitude: 31.266
 Longitude: -85.716
 Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
25	0019	0	CLR	10.00		59	15.0	M	M	54	12.0	M	6	070		M			30.19	SP		30.19
25	0056	0	CLR	10.00		57	14.0	M	M	54	12.0	M	5	090		M			30.20	AA		30.20
25	0120	0	CLR	10.00		59	15.0	M	M	54	12.0	M	7	100		M			30.18	SP		30.18
25	0156	0	CLR	10.00		61	16.0	M	M	54	12.2	M	9	130		M			30.18	AA		30.18
25	0213	0	CLR	10.00		61	16.0	M	M	54	12.0	M	8	110		M			30.16	SP		30.16
25	0256	0	CLR	10.00		61	16.3	M	M	54	12.3	M	6	110		M			30.17	AA		30.17
25	0320	0	CLR	10.00		61	16.0	M	M	54	12.0	M	3	120		M			30.19	SP		30.19
25	0356	0	CLR	10.00		60	15.6	M	M	54	12.0	M	5	120		M			30.19	AA		30.19
25	0443	0	CLR	10.00		59	15.0	M	M	54	12.0	M	5	110		M			30.21	SP		30.21
25	0456	0	CLR	10.00		59	15.1	M	M	54	12.0	M	3	110		M			30.21	AA		30.21
25	0556	0	CLR	10.00		59	14.8	M	M	54	12.3	M	6	090		M			30.22	AA		30.22
25	0656	0	CLR	10.00		60	15.6	M	M	56	13.1	M	5	080		M			30.23	AA		30.23
25	0756	0	CLR	10.00		68	19.8	M	M	59	14.8	M	13	150	18	M			30.23	AA		30.23
25	0856	0	FEW	10.00		72	22.1	M	M	58	14.2	M	11	160	18	M			30.23	AA		30.23
25	0949	0	FEW	10.00		73	23.0	M	M	57	14.0	M	13	140	21	M			30.21	SP		30.21
25	0956	0	FEW	10.00		74	23.5	M	M	58	14.5	M	11	150	21	M			30.21	AA		30.21
25	1050	0	CLR	10.00		77	25.0	M	M	59	15.0	M	10	160		M			30.19	SP		30.19
25	1056	0	CLR	10.00		76	24.4	M	M	58	14.5	M	15	160	20	M			30.19	AA		30.19
25	1132	0	CLR	10.00		77	25.0	M	M	57	14.0	M	14	170	18	M			30.17	SP		30.17
25	1156	0	CLR	10.00		78	25.6	M	M	58	14.7	M	14	170	20	M			30.16	AA		30.16
25	1223	0	CLR	10.00		77	25.0	M	M	57	14.0	M	11	150		M			30.14	SP		30.14
25	1256	0	CLR	10.00		78	25.8	M	M	58	14.6	M	8	160		M			30.13	AA		30.13
25	1316	0	CLR	10.00		81	27.0	M	M	59	15.0	M	13	150	20	M			30.11	SP		30.11
25	1356	0	SCT	10.00		81	27.1	M	M	59	14.8	M	13	180	20	M			30.10	AA		30.10
25	1415	0	FEW	10.00		81	27.0	M	M	57	14.0	M	10	180		M			30.08	SP		30.08
25	1454	0	CLR	10.00		81	27.0	M	M	59	15.0	M	13	190		M			30.07	SP		30.07
25	1456	0	CLR	10.00		80	26.4	M	M	59	14.8	M	11	180		M			30.07	AA		30.07
25	1514	0	SCT	10.00		81	27.0	M	M	57	14.0	M	13	160		M			30.05	SP		30.05
25	1556	0	SCT	10.00		79	26.0	M	M	57	14.1	M	15	150	21	M			30.04	AA		30.04
25	1656	0	CLR	10.00		76	24.5	M	M	58	14.3	M	9	180		M			30.05	AA		30.05
25	1750	0	CLR	10.00		73	23.0	M	M	59	15.0	M	9	200		M			30.07	SP		30.07
25	1756	0	CLR	10.00		73	22.8	M	M	59	14.9	M	13	200		M			30.07	AA		30.07
25	1856	0	CLR	10.00		71	21.4	M	M	58	14.5	M	10	190		M			30.08	AA		30.08
25	1946	0	CLR	10.00		70	21.0	M	M	59	15.0	M	6	190		M			30.10	SP		30.10

 ZTL-ARTCC-0296
 N6563D

U.S. Department of
National Oceanic & Atmospheric Administration

U.S. Department of Commerce
National Oceanic & Atmospheric Administration

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA**

(final)

**HOURLY REMARKS OBSERVATIONS TABLE
CAIRNS ARMY AIRFIELD (FORT RUCKER) (03850)
FORT RUCKER/OZARK, AL
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 301 ft. above sea level
Latitude: 31.266
Longitude: -85.716
Data Version: VER2

Date	Time	Remarks
25	0019	AO2 SLP224=
25	0056	AO2 SLP227 T01400120=
25	0120	AO2 SLP221=
25	0156	AO2 SLP220 T01600122=
25	0213	AO2 PRESFR SLP214=
25	0256	AO2 SLP217 T01630123 57013=
25	0320	AO2 SLP224=
25	0356	AO2 SLP224 T01560120=
25	0443	AO2 SLP231=
25	0456	AO2 SLP231 T01510120=
25	0556	AO2 SLP234 T01480123 10164 20139 52016=
25	0656	AO2 SLP238 T01560131=
25	0756	AO2 SLP238 T01980148=
25	0856	AO2 SLP238 T02210142 50003=
25	0949	AO2 SLP231=
25	0956	AO2 SLP231 T02350145=
25	1050	AO2 SLP224=
25	1056	AO2 SLP224 T02440145=
25	1132	AO2 SLP217=
25	1156	AO2 SLP214 T02560147 10259 20140 57023=
25	1223	AO2 SLP207=
25	1256	AO2 SLP204 T02580146=
25	1316	AO2 SLP197=
25	1356	AO2 SLP193 T02710148=
25	1415	AO2 PRESFR SLP186=
25	1454	AO2 WSHFT 48 SLP183=
25	1456	AO2 SLP183 T02640148=
25	1514	AO2 PRESFR SLP176=
25	1556	AO2 SLP173 T02600141=
25	1656	AO2 SLP176 T02450143=
25	1750	AO2 SLP183=
25	1756	AO2 SLP183 T02280149 10275 20228 55000=
25	1856	AO2 SLP187 T02140145=
25	1946	AO2 SLP193=
25	1956	AO2 SLP193 T02070148=
25	2056	AO2 SLP197 T02030149 52015=
25	2119	AO2 SLP203=
25	2124	AO2 RAB24 SLP203=
25	2128	AO2 RAB24 SLP203=

25	2156	AO2 RAB24 SLP207 P0005 T01840167=
25	2206	AO2 SLP207=
25	2216	AO2 SLP203=
25	2226	AO2 BKN V OVC SLP203=
25	2256	AO2 CIG 002V075 BKN V SCT SLP200 P0016 T01730165=
25	2316	AO2 BKN V SCT SLP197=
25	2326	AO2 SLP197=
25	2339	AO2 RAE36DZB36E38RAB38 PRESFR SLP190=
25	2356	AO2 RAE36DZB36E38RAB38 SLP186 P0010 60031 T01700163 10227 20170 402750139 58010=

Dynamically generated Tue Apr 04 13:08:36 EDT 2017 via <http://www.ncdc.noaa.gov/qcled/QCLCD>

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
Data Version: VER2

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY PRECIPITATION TABLE
CAIRNS ARMY AIRFIELD (FORT RUCKER) (03850)
FORT RUCKER/OZARK, AL
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

	A.M. HOUR(L.S.T) ENDING AT													P.M. HOUR(L.S.T) ENDING AT												
DT	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--
25													25													25

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 03/2017

Station Location: CAIRNS ARMY AIRFIELD (FORT RUCKER) (03850)

FORT RUCKER/OZARK, AL

Lat. 31.266 Lon. -85.716

Elevation(Ground): 301 ft. above sea level

Date	Temperature (Fahrenheit)					Degree Days Base 65 Degrees					Sun		Significant Weather	Snow/Ice on Ground(In)				Precipitation (In)		Pressure(Inches of Hg)		Wind Speed=mph (Dir=tens of degrees)				Date	
	Max	Min	Avg	Dep From Normal	Avg Dew pt	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST	1200 UTC	1800 UTC		2400 LST	2400 LST	Avg Station	Avg Sea Level	Resultant Speed	Res Dir	Avg Speed	5-second Speed	2-minute Speed	max	max			
1	2	3	4	5	6	7	8	9	10	11			12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
25	M	M	M	M	58	M	M	M	-	-		M	M	M	M	M	M	30.15	7.1	16	M	M	M	M	M	25	

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration

**QUALITY CONTROLLED LOCAL
 CLIMATOLOGICAL DATA**
 (final)
HOURLY OBSERVATIONS TABLE
COLUMBUS METRO AIRPORT (93842)
COLUMBUS, GA
(03/2017)

 National Climatic Data Center
 Federal Building
 151 Patton Avenue
 Asheville, North Carolina 28801

 Elevation: 392 ft. above sea level
 Latitude: 32.516
 Longitude: -84.942
 Data Version: VER3

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
25	0051	11	CLR	10.00	FU	66	18.9	56	13.2	47	8.3	51	9	170		29.81			30.23	AA		30.24
25	0151	11	CLR	10.00	FU	64	17.8	56	13.2	49	9.4	58	9	160		29.81			30.23	AA		30.24
25	0251	11	CLR	10.00	FU	62	16.7	55	13.0	50	10.0	65	7	180		29.80			30.22	AA		30.23
25	0351	11	CLR	10.00	FU	61	16.1	56	13.0	51	10.6	70	8	130		29.78			30.19	AA		30.21
25	0451	11	CLR	10.00	FU	60	15.6	55	12.8	51	10.6	72	3	130		29.80			30.22	AA		30.23
25	0551	11	CLR	10.00	FU	60	15.6	55	12.8	51	10.6	72	5	100		29.81			30.23	AA		30.24
25	0651	11	CLR	10.00	FU	60	15.6	55	12.8	51	10.6	72	3	080		29.83			30.25	AA		30.26
25	0751	11	CLR	10.00	FU	61	16.1	57	13.6	53	11.7	75	3	110		29.84			30.25	AA		30.27
25	0851	11	CLR	10.00	FU	66	18.9	59	15.0	54	12.2	65	9	160		29.83			30.25	AA		30.26
25	0951	11	CLR	10.00	FU	71	21.7	61	16.1	54	12.2	55	11	190		29.82			30.24	AA		30.25
25	1051	11	CLR	10.00	FU	74	23.3	62	16.5	53	11.7	48	11	180		29.81			30.22	AA		30.24
25	1151	11	CLR	10.00	FU	76	24.4	63	16.9	53	11.7	45	10	190		29.78			30.19	AA		30.21
25	1251	11	FEW050	10.00		77	25.0	62	16.8	52	11.1	42	13	160	20	29.75			30.16	AA		30.18
25	1351	11	BKN060	10.00		78	25.6	62	16.8	51	10.6	39	11	190		29.71			30.13	AA		30.14
25	1451	11	BKN070 OVC080	10.00		78	25.6	62	16.5	50	10.0	38	8	190		29.70			30.10	AA		30.12
25	1551	11	SCT085	10.00		80	26.7	63	17.2	51	10.6	37	9	200		29.65			30.07	AA		30.08
25	1651	11	BKN075 BKN090	10.00		79	26.1	62	16.7	50	10.0	36	15	180	22	29.64			30.05	AA		30.06
25	1751	11	CLR	10.00		78	25.6	62	16.5	50	10.0	38	9	170		29.62			30.03	AA		30.04
25	1851	11	CLR	10.00		75	23.9	60	15.6	49	9.4	40	9	160		29.62			30.04	AA		30.05
25	1951	11	OVC080	10.00		73	22.8	60	15.5	50	10.0	44	6	140		29.64			30.05	AA		30.06
25	2051	11	BKN065 BKN095	8.00		72	22.2	60	15.3	50	10.0	46	9	130		29.65			30.06	AA		30.07
25	2151	11	SCT046 OVC060	9.00	-RA	67	19.4	62	16.4	58	14.4	73	16	270	24	29.68			30.10	AA	0.02s	30.11
25	2251	11	FEW055 BKN075 OVC090	7.00	-RA	64	17.8	62	16.7	61	16.1	90	6	280		29.70			30.11	AA	0.10	30.12
25	2258	11	FEW008 BKN075 OVC095	10.00	-RA	64	17.8	62	16.7	61	16.1	90	7	300		29.70			M	SP		30.12
25	2318	11	SCT007 BKN080 OVC110	10.00		64	17.8	62	16.7	61	16.1	90	6	290		29.70			M	SP		30.12
25	2351	11	SCT032 BKN075 OVC090	10.00		64	17.8	62	16.4	60	15.6	87	7	270		29.70			30.12	AA	T	30.13

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY REMARKS OBSERVATIONS TABLE
COLUMBUS METRO AIRPORT (93842)
COLUMBUS, GA
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 392 ft. above sea level
Latitude: 32.516
Longitude: -84.942
Data Version: VER3

Date	Time	Remarks
25	0051	AO2 SLP237 T01890083 10233 20183 56006
25	0151	AO2 SLP236 T01780094
25	0251	AO2 SLP232 T01670100
25	0351	AO2 SLP225 T01610106 58012
25	0451	AO2 SLP234 T01560106
25	0551	AO2 SLP238 T01560106
25	0651	AO2 SLP244 T01560106 10189 20150 51019
25	0751	AO2 SLP245 T01610117
25	0851	AO2 SLP244 T01890122
25	0951	AO2 SLP241 T02170122 58003
25	1051	AO2 SLP235 T02330117
25	1151	AO2 SLP225 T02440117 (DAY)
25	1251	AO2 SLP215 T02500111 10256 20156 58025 (DAY)
25	1351	AO2 SLP203 T02560106 (DAY)
25	1451	AO2 SLP194 T02560100 (DAY)
25	1551	AO2 SLP184 T02670106 56031 (DAY)
25	1651	AO2 SLP176 T02610100 (DAY)
25	1751	AO2 SLP168 T02560100 (DAY)
25	1851	AO2 SLP172 T02390094 10267 20239 55011 (DAY)
25	1951	AO2 SLP176 T02280100
25	2051	AO2 SLP178 T02220100
25	2151	AO2 RAB46 PRESRR SLP193 P0000 60000 T01940144 53020
25	2251	AO2 LTG DSNT W SLP196 P0012 T01780161
25	2258	AO2 P0000 T01780161
25	2318	AO2 RAE10 P0000 T01780161
25	2351	AO2 RAE10 SLP199 P0000 T01780156 402670150

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
Data Version: VER3

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY PRECIPITATION TABLE
COLUMBUS METRO AIRPORT (93842)
COLUMBUS, GA
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

	A.M. HOUR(L.S.T) ENDING AT													P.M. HOUR(L.S.T) ENDING AT												
DT	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--
25													25										0.02S	0.10	T	25

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 03/2017

Station Location: COLUMBUS METRO AIRPORT (93842)

COLUMBUS, GA

Lat. 32.516 Lon. -84.942

Elevation(Ground): 392 ft. above sea level

D ay of Month	Temperature (Fahrenheit)					Degree Days Base 65 Degrees				Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation		Pressure(Inches of Hg)		Wind Speed=mph Dir=kens of degrees												
	Max	Min	Avg	Dep From Normal	Avg Dew pt	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST	1200 UTC		1800 UTC	2400 LST	2400 LST	Avg Station	Avg Sea Level	Resultant Speed	Res Dir	Avg Speed	Dir	max 5-second Speed	max 2-minute Speed	max 1-minute Speed							
1	2	3	4	5	6	7	8	9	10	11		12		13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
25	80	59	70	10	52	60	0	5	0637	1855	RA FT)		0	M	0.0	0.12	29.75	30.16	6.5	18	8.7	24	280	18	270	125					

U.S. Department of Commerce
National Oceanic & Atmospheric Administration

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
MONTGOMERY RGNL (DANNELLY FD) AP (13895)
MONTGOMERY, AL
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 202 ft. above sea level
Latitude: 32.299
Longitude: -86.407
Data Version: VER3

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip Total (in)	Alt-meter (in. hg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
25	0053	11	CLR	10.00		62	16.7	M	M	52	11.1	M	7	120		M			30.17	AA		30.17
25	0153	11	CLR	10.00		59	15.0	M	M	51	10.6	M	5	100		M			30.17	AA		30.17
25	0253	11	CLR	10.00		58	14.4	M	M	51	10.6	M	3	100		M			30.18	AA		30.19
25	0353	11	CLR	10.00		59	15.0	M	M	51	10.6	M	5	090		M			30.19	AA		30.20
25	0453	11	CLR	10.00		57	13.9	M	M	51	10.6	M	9	100		M			30.19	AA		30.20
25	0553	11	CLR	10.00		58	14.4	M	M	51	10.6	M	9	110		M			30.20	AA		30.20
25	0653	11	CLR	10.00		62	16.7	M	M	53	11.7	M	9	120		M			30.22	AA		30.22
25	0753	11	CLR	10.00		68	20.0	M	M	55	12.8	M	11	140		M			30.21	AA		30.22
25	0853	11	CLR	10.00		73	22.8	M	M	56	13.3	M	18	150	26	M			30.18	AA		30.19
25	0953	11	CLR	10.00		75	23.9	M	M	56	13.3	M	15	160	24	M			30.16	AA		30.17
25	1053	11	CLR	10.00		78	25.6	M	M	55	12.8	M	18	170	25	M			30.15	AA		30.16
25	1153	11	CLR	10.00		77	25.0	M	M	55	12.8	M	15	170		M			30.14	AA		30.14
25	1253	11	CLR	10.00		81	27.2	M	M	57	13.9	M	10	160	20	M			30.10	AA		30.11
25	1353	11	CLR	10.00		80	26.7	M	M	57	13.9	M	14	150	20	M			30.06	AA		30.06
25	1453	11	CLR	10.00		79	26.1	M	M	56	13.3	M	9	140		M			30.01	AA		30.02
25	1527	11	SCT	10.00		79	26.1	M	M	55	12.8	M	11	150	18	M			M	SP		30.01
25	1548	11	CLR	10.00		79	26.0	M	M	55	13.0	M	11	160		M			M	SP		30.01
25	1553	11	CLR	10.00		78	25.6	M	M	56	13.3	M	11	180	21	M			30.01	AA	T	30.01
25	1601	11	CLR	10.00		77	25.0	M	M	57	13.9	M	10	190		M			M	SP		30.01
25	1635	11	CLR	10.00		67	19.4	M	M	56	13.3	M	21	300	24	M			M	SP		30.02
25	1653	11	CLR	10.00		65	18.3	M	M	56	13.3	M	21	290	24	M			30.03	AA	T	30.04
25	1702	11	CLR	10.00		64	17.8	M	M	56	13.3	M	17	280		M			M	SP		30.06
25	1753	11	CLR	10.00		63	17.2	M	M	57	13.9	M	8	310		M			30.06	AA	T	30.07
25	1803	11	CLR	10.00		63	17.2	M	M	57	13.9	M	6	310		M			M	SP		30.08
25	1839	11	CLR	2.50		62	16.7	M	M	57	13.9	M	8	290		M			M	SP		30.11
25	1853	11	CLR	2.50		62	16.7	M	M	57	13.9	M	5	310		M			30.10	AA		30.10
25	1857	11	CLR	3.00		62	16.7	M	M	57	13.9	M	5	240		M			M	SP		30.11
25	1903	11	CLR	2.50		62	16.7	M	M	57	13.9	M	3	270		M			M	SP		30.11
25	1953	11	CLR	4.00		61	16.1	M	M	57	13.9	M	3	140		M			30.11	AA		30.11
25	2053	11	CLR	4.00		61	16.1	M	M	57	13.9	M	15	100		M			30.09	AA		30.10
25	2153	11	CLR	10.00		61	16.1	M	M	57	13.9	M	13	100		M			30.06	AA		30.07
25	2236	11	FEW	10.00		62	16.7	M	M	57	13.9	M	11	120		M			M	SP		30.06
25	2253	11	FEW	10.00		62	16.7	M	M	57	13.9	M	11	130		M			30.05	AA	T	30.06
25	2353	11	CLR	10.00		60	15.6	M	M	55	12.8	M	3	140		M			30.05	AA		30.06

ZTL-ARTCC-0296
N6563D

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY REMARKS OBSERVATIONS TABLE
MONTGOMERY RGNL (DANNELLY FD) AP (13895)
MONTGOMERY, AL
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 202 ft. above sea level
Latitude: 32.299
Longitude: -86.407
Data Version: VER3

Date	Time	Remarks
25	0053	AO2 SLP216 T01670111=
25	0153	AO2 SLP216 T01500106=
25	0253	AO2 SLP220 T01440106 55002=
25	0353	AO2 SLP224 T01500106=
25	0453	AO2 SLP224 T01390106=
25	0553	AO2 SLP226 T01440106 10172 20139 51006=
25	0653	AO2 SLP232 T01670117=
25	0753	AO2 SLP231 T02000128=
25	0853	AO2 SLP220 T02280133 58005=
25	0953	AO2 SLP215 T02390133=
25	1053	AO2 SLP209 T02560128=
25	1153	AO2 SLP205 T02500128 10261 20139 56016=
25	1253	AO2 SLP192 T02720139=
25	1353	AO2 LTG DSNT W SLP178 T02670139=
25	1453	AO2 SLP164 T02610133 58041=
25	1527	AO2 LTG DSNT N AND W T02610128=
25	1548	AO2 LTG DSNT NE RAB47 P0000=
25	1553	AO2 LTG DSNT NE AND NW RAB47 SLP161 P0000 T02560133=
25	1601	AO2 LTG DSNT ALQDS P0000 T02500139=
25	1635	AO2 WSHFT 2219 LTG DSNT NE AND SW AND W RAE35 P0000 T01940133=
25	1653	AO2 WSHFT 2219 LTG DSNT SW AND W RAE35B45 SLP171 P0000 T01830133=
25	1702	AO2 LTG DSNT SW-N PRESRR P0000 T01780133=
25	1753	AO2 LTG DSNT S-NW SLP181 P0000 60000 T01720139 10278 20172 53021=
25	1803	AO2 LTG DSNT S-W P0000 T01720139=
25	1839	AO2 LTG DSNT SW P0012 T01670139=
25	1853	AO2 LTG DSNT S-W SLP192 P0026 T01670139=
25	1857	AO2 LTG DSNT S-W P0001 T01670139=
25	1903	AO2 P0003 T01670139=
25	1953	AO2 SLP195 P0026 T01610139=
25	2053	AO2 SLP191 P0032 60084 T01610139 50010=
25	2153	AO2 SLP179 P0014 T01610139=
25	2236	AO2 RAE01 P0000 T01670139=
25	2253	AO2 RAE01 SLP176 P0000 T01670139=
25	2353	AO2 SLP176 60098 T01560128 10172 20156 402780139 56015=

Dynamically generated Tue Apr 04 13:09:19 EDT 2017 via <http://www.ncdc.noaa.gov/qcled/QCLCD>

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
Data Version: VER3

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY PRECIPITATION TABLE
MONTGOMERY RGNL (DANNELLY FD) AP (13895)
MONTGOMERY, AL
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

	A.M. HOUR(L.S.T) ENDING AT													P.M. HOUR(L.S.T) ENDING AT												
DT	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--
25													25				T	T	T					T		25

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 03/2017

Station Location: MONTGOMERY RGNL (DANNELLY FD) AP (13895)

MONTGOMERY, AL

Lat. 32.299 Lon. -86.407

Elevation(Ground): 202 ft. above sea level

ID # e	Temperature (Fahrenheit)				Degree Days Base 65 Degrees				Sun		Significant Weather	Snow/Ice on Precipitation (Ground) (in)				Pressure (inches of Hg)		Wind Speed=mph Dir=tens of degrees														
	Max	Min	Avg	Dep From Normal	Avg Dew pt	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	2400 LST	Avg Station	Avg Sea Level	Resultant/Avg Speed					5-second Speed					2-minute Speed				
																		Dir					Dir					Dir				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26							
25	M	M	M	M	55	M	M	M	0543	1800		M	M	M	M	M	30.13	6.8	14	M	M	M	M	M	25							

U.S. Department of Commerce
National Oceanic & Atmospheric Administration

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
LAGRANGE-CALLAWAY AIRPORT (03821)
LAGRANGE, GA
(03/2017)**

Elevation: 682 ft. above sea level
Latitude: 33.016
Longitude: -85.066
Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
25	0015	0	CLR	10.00		65	18.6	58	14.5	53	11.6	65	10	150		29.49			M	AA		30.24
25	0035	0	CLR	10.00		66	18.7	59	14.7	53	11.5	63	11	150		29.49			M	AA		30.24
25	0055	0	CLR	10.00		66	18.8	59	14.7	53	11.4	63	11	150	17	29.49			M	AA		30.24
25	0115	0	CLR	10.00		65	18.5	58	14.5	53	11.5	65	13	150	20	29.49			M	AA		30.24
25	0135	0	CLR	10.00		65	18.5	58	14.5	53	11.5	65	14	160	20	29.49			M	AA		30.24
25	0155	0	CLR	10.00		64	18.0	58	14.3	53	11.7	68	10	140	20	29.48			M	AA		30.23
25	0215	0	CLR	10.00		64	17.6	58	14.3	53	11.9	68	14	140	17	29.47			M	AA		30.22
25	0235	0	CLR	10.00		63	17.2	58	14.3	54	12.0	73	9	160	16	29.48			M	AA		30.23
25	0255	0	CLR	10.00		62	16.6	57	14.1	54	12.2	75	9	150		29.47			M	AA		30.22
25	0315	0	CLR	10.00		62	16.6	58	14.4	55	12.5	78	7	150		29.47			M	AA		30.22
25	0335	0	CLR	10.00		61	16.3	58	14.2	55	12.7	81	7	150		29.47			M	AA		30.22
25	0355	0	CLR	10.00		61	16.2	58	14.2	55	13.0	81	7	150		29.47			M	AA		30.22
25	0415	0	CLR	10.00		61	16.0	58	14.5	56	13.1	84	7	150		29.47			M	AA		30.22
25	0435	0	CLR	10.00		60	15.5	58	14.2	56	13.1	87	5	140		29.48			M	AA		30.23
25	0455	0	CLR	10.00		59	15.2	57	14.0	56	13.2	90	3	140		29.49			M	AA		30.24
25	0515	0	CLR	10.00		60	15.4	58	14.2	56	13.2	87	0	000		29.50			M	AA		30.25
25	0535	0	CLR	10.00		58	14.2	57	13.8	56	13.2	93	0	000		29.50			M	AA		30.25
25	0555	0	CLR	10.00		57	13.9	56	13.5	56	13.3	96	0	000		29.51			M	AA		30.26
25	0615	0	CLR	10.00		57	13.7	56	13.5	56	13.4	96	0	000		29.51			M	AA		30.26
25	0635	0	CLR	10.00		55	12.7	55	12.7	55	12.7	100	0	000		29.52			M	AA		30.27
25	0655	0	CLR	10.00		55	13.0	55	12.7	55	13.0	100	0	000		29.52			M	AA		30.27
25	0715	0	CLR	10.00		56	13.5	56	13.3	56	13.5	100	3	120		29.51			M	AA		30.26
25	0735	0	CLR	10.00		58	14.5	58	14.4	58	14.2	100	5	130		29.51			M	AA		30.26
25	0755	0	CLR	10.00		60	15.6	59	14.9	58	14.2	93	8	140		29.51			M	AA		30.26
25	0815	0	CLR	10.00		62	16.6	60	15.3	58	14.7	87	9	140		29.51			M	AA		30.26
25	0835	0	CLR	10.00		64	17.7	61	16.1	59	15.0	84	10	160	16	29.51			M	AA		30.26
25	0855	0	CLR	10.00		65	18.4	61	16.3	59	15.1	81	11	160	17	29.51			M	AA		30.26
25	0915	0	CLR	10.00		68	19.8	63	17.3	60	15.6	76	10	180	16	29.51			M	AA		30.26
25	0935	0	CLR	10.00		68	19.8	63	17.3	60	15.3	76	11	200	17	29.51			M	AA		30.26
25	0955	0	CLR	10.00		69	20.5	64	17.5	60	15.7	73	13	200	20	29.51			M	AA		30.26
25	1015	0	CLR	10.00		70	21.2	64	17.7	60	15.8	71	11	170	18	29.51			M	AA		30.26
25	1035	0	CLR	10.00		71	21.6	64	17.9	60	15.3	68	11	170	17	29.50			M	AA		30.25
25	1055	0	CLR	10.00		72	22.4	64	17.8	59	15.0	64	14	170	20	29.49			M	AA		30.24
25	1115	0	CLR	10.00		73	23.0	64	18.0	59	15.0	62	15	170	20	29.48			M	AA		30.23

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25	1135	0	CLR	10.00		74	23.3	65	18.2	59	14.8	60	17	180	21	29.46		M	AA	30.21
25	1155	0	SCT043	10.00		75	23.9	65	18.4	59	14.8	58	11	180	20	29.46		M	AA	30.21
25	1215	0	SCT045	10.00		76	24.3	66	18.6	59	14.8	56	13	200	23	29.45		M	AA	30.20
25	1235	0	SCT045	10.00		76	24.3	66	18.6	59	14.8	56	13	170	17	29.44		M	AA	30.19
25	1255	0	SCT047	10.00		77	25.2	66	18.8	59	14.8	54	13	190	18	29.43		M	AA	30.18
25	1315	0	SCT049	10.00		79	25.9	67	19.1	59	14.9	50	10	160		29.42		M	AA	30.17
25	1335	0	SCT050	10.00		77	24.8	65	18.2	57	14.0	50	8	180	20	29.41		M	AA	30.16
25	1355	0	BKN060 BKN070	10.00		77	25.0	65	18.5	58	14.2	52	9	170		29.40		M	AA	30.15
25	1415	0	BKN055 OVC065	10.00		77	25.0	65	18.5	58	14.2	52	11	150		29.39		M	AA	30.14
25	1435	0	SCT055 BKN065	10.00		79	26.0	66	18.8	58	14.2	49	10	190		29.39		M	AA	30.14
25	1455	0	BKN075	10.00		78	25.3	66	18.7	58	14.4	50	8	160	16	29.37		M	AA	30.12
25	1515	0	OVC080	10.00		77	25.1	65	18.2	57	13.9	50	11	170		29.36		M	AA	30.11
25	1535	0	SCT060 SCT070 OVC080	10.00		78	25.7	65	18.4	57	14.1	49	13	160		29.36		M	AA	30.10
25	1555	0	SCT060 SCT075 OVC085	10.00		79	26.2	65	18.6	57	14.0	47	10	170	16	29.34		M	AA	30.09
25	1615	0	OVC085	10.00		79	26.3	65	18.6	57	14.0	47	13	160	18	29.34		M	AA	30.08
25	1635	0	SCT085	10.00		79	26.0	65	18.6	57	14.1	47	15	160		29.33		M	AA	30.07
25	1655	0	SCT060 SCT075 BKN085	10.00		77	25.0	65	18.2	57	13.7	50	10	150	17	29.33		M	AA	30.07
25	1715	0	BKN060 OVC085	10.00		78	25.4	65	18.4	57	13.8	49	13	150		29.31		M	AA	30.05
25	1735	0	SCT075 BKN085	10.00		78	25.5	65	18.4	57	13.8	49	13	150	18	29.31		M	AA	30.05
25	1755	0	SCT065	10.00		76	24.4	64	17.7	56	13.6	50	8	140	11s	29.31		M	AA	30.06
25	1815	0	CLR	10.00		75	24.0	64	17.5	56	13.5	52	9	150	16	29.31		M	AA	30.05
25	1835	0	SCT065	10.00		74	23.5	63	17.3	56	13.5	54	9	140		29.31		M	AA	30.06
25	1855	0	SCT065	10.00		74	23.4	63	17.3	56	13.4	54	9	140		29.31		M	AA	30.06
25	1915	0	CLR	10.00		74	23.1	63	17.3	56	13.4	54	9	140		29.31		M	AA	30.06
25	1935	0	CLR	10.00		73	22.6	63	17.1	56	13.5	55	6	140		29.33		M	AA	30.07
25	1955	0	CLR	10.00		72	22.1	62	16.9	56	13.5	57	6	130		29.31		M	AA	30.06
25	2015	0	CLR	10.00		71	21.6	62	16.7	56	13.4	59	8	140		29.33		M	AA	30.07
25	2035	0	SCT070	10.00		72	22.0	62	16.9	56	13.3	57	8	140		29.33		M	AA	30.07
25	2055	0	BKN070	10.00		72	22.0	62	16.9	56	13.3	57	7	140		29.33		M	AA	30.07
25	2115	0	OVC070	10.00		71	21.6	62	16.7	56	13.4	59	6	130		29.33		M	AA	30.07
25	2135	0	SCT040 OVC060	10.00	+RA	67	19.7	63	17.4	61	16.0	81	7	250	23	29.36		M	AA	30.10
25	2155	0	SCT030 SCT044 OVC060	7.00	RA	64	17.5	64	17.7	64	17.5	100	6	260		29.37		M	AA	30.12
25	2215	0	SCT042 BKN060 OVC085	7.00	RA	64	17.5	64	17.7	64	17.5	100	0	000		29.37		M	AA	30.12
25	2235	0	SCT033 BKN039 OVC090	10.00		63	17.3	63	17.2	63	17.3	100	0	000		29.37		M	AA	30.12
25	2255	0	BKN014 BKN034 OVC070	10.00		63	17.2	63	17.2	63	17.2	100	0	000		29.37		M	AA	30.12
25	2315	0	SCT009 BKN014 OVC035	5.00	+RA	63	17.3	63	17.2	63	17.3	100	0	000		29.37		M	AA	30.12
25	2335	0	BKN009 BKN014 OVC042	4.00	+RA	64	17.5	64	17.7	64	17.5	100	0	000		29.37		M	AA	30.12
25	2355	0	BKN007 BKN016 OVC041	4.00	+RA	64	17.5	64	17.7	64	17.5	100	0	000		29.37		M	AA	30.12

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY REMARKS OBSERVATIONS TABLE
LAGRANGE-CALLAWAY AIRPORT (03821)
LAGRANGE, GA
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 682 ft. above sea level
Latitude: 33.016
Longitude: -85.066
Data Version: VER2

Date	Time	Remarks
25	0015	AO2 T01860116
25	0035	AO2 T01870115
25	0055	AO2 T01880114 10225 20154 402530150
25	0115	AO2 T01850115
25	0135	AO2 T01850115
25	0155	AO2 T01800117
25	0215	AO2 T01760119
25	0235	AO2 T01720120
25	0255	AO2 T01660122
25	0315	AO2 T01660125
25	0335	AO2 T01630127
25	0355	AO2 T01620130
25	0415	AO2 T01600131
25	0435	AO2 T01550131
25	0455	AO2 T01520132
25	0515	AO2 T01540132
25	0535	AO2 T01420132
25	0555	AO2 T01390133
25	0615	AO2 T01370134
25	0635	AO2 T01270127
25	0655	AO2 T01300130 10190 20126
25	0715	AO2 T01350135
25	0735	AO2 T01450142
25	0755	AO2 T01560142
25	0815	AO2 T01660147
25	0835	AO2 T01770150
25	0855	AO2 T01840151
25	0915	AO2 T01980156
25	0935	AO2 T01980153
25	0955	AO2 T02050157
25	1015	AO2 T02120158
25	1035	AO2 T02160153
25	1055	AO2 T02240150
25	1115	AO2 T02300150
25	1135	AO2 T02330148
25	1155	AO2 T02390148
25	1215	AO2 T02430148
25	1235	AO2 T02430148
25	1255	AO2 T02520148 10252 20130

25	1315	AO2 T02590149
25	1335	AO2 T02480140
25	1355	AO2 T02500142
25	1415	AO2 T02500142
25	1435	AO2 T02600142
25	1455	AO2 T02530144
25	1515	AO2 LTG DSNT W T02510139
25	1535	AO2 T02570141
25	1555	AO2 T02620140
25	1615	AO2 T02630140
25	1635	AO2 T02600141
25	1655	AO2 T02500137
25	1715	AO2 T02540138
25	1735	AO2 T02550138
25	1755	AO2 T02440136
25	1815	AO2 T02400135
25	1835	AO2 T02350135
25	1855	AO2 LTG DSNT SW T02340134 10264 20234
25	1915	AO2 T02310134
25	1935	AO2 T02260135
25	1955	AO2 LTG DSNT W T02210135
25	2015	AO2 T02160134
25	2035	AO2 T02200133
25	2055	AO2 T02200133
25	2115	AO2 T02160134
25	2135	AO2 T01970160
25	2155	AO2 T01750175
25	2215	AO2 T01750175
25	2235	AO2 LTG DSNT SW T01730173
25	2255	AO2 T01720172
25	2315	AO2 T01730173
25	2335	AO2 T01750175
25	2355	AO2 T01750175

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
Data Version: VER2

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY PRECIPITATION TABLE
LAGRANGE-CALLAWAY AIRPORT (03821)
LAGRANGE, GA
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

	A.M. HOUR(L.S.T) ENDING AT													P.M. HOUR(L.S.T) ENDING AT												
DT	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--
25													25													25

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 03/2017

Station Location: LAGRANGE-CALLAWAY AIRPORT (03821)

LAGRANGE, GA

Lat. 33.016 Lon. -85.066

Elevation(Ground): 682 ft. above sea level

Date	Temperature (Fahrenheit)					Degree Days Base 65 Degrees					Sun		Significant Weather	Snow/Ice and Precipitation Ground(In) (In)				Pressure(inches of Hg)		Wind Speed=mph (Dir=terms of degrees)								Date
	Max	Min	Ave	Dep From Normal	Ave Dew pt	Ave Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST	1200 UTC	1800 UTC		2400 LST	2400 LST	Ave Station	Ave Sea Level	Resultant Speed	Res Dir	Avg Speed	5-second Speed	max	2-minute Speed	max	1-minute Speed	max		
1	2	3	4	5	6	7	8	9	10	11																		
25	M	M	M	M	58	62	M	M	-	-	RA																	

U.S. Department of Commerce
National Oceanic & Atmospheric Administration

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
BIRMINGHAM INTERNATIONAL AIRPORT (13876)
BIRMINGHAM, AL
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 615 ft. above sea level
Latitude: 33.565
Longitude: -86.745
Data Version: VER3

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
25	0053	12	CLR	10.00		65	18.3	59	15.1	55	12.8	70	7	170		29.52			30.18	AA		30.20
25	0153	12	OVC070	10.00		65	18.3	59	14.8	54	12.2	68	7	180		29.52			30.18	AA		30.20
25	0253	12	FEW080	10.00		63	17.2	58	14.3	54	12.2	73	8	130		29.50			30.16	AA		30.18
25	0353	12	FEW080	10.00		63	17.2	57	13.8	52	11.1	68	10	140		29.49			30.16	AA		30.17
25	0453	12	SCT080	10.00		63	17.2	57	13.8	52	11.1	68	9	150		29.51			30.17	AA		30.19
25	0553	12	SCT140 BKN250	10.00		63	17.2	57	14.1	53	11.7	70	14	150	20	29.51			30.18	AA		30.19
25	0653	12	FEW035 FEW140 BKN250	10.00		64	17.8	58	14.6	54	12.2	70	9	150	24	29.52			30.19	AA		30.20
25	0753	12	FEW075 SCT140 BKN250	10.00		65	18.3	59	14.8	54	12.2	68	16	140	25	29.51			30.17	AA		30.19
25	0853	12	FEW030 FEW140 BKN250	10.00		69	20.6	61	16.0	55	12.8	61	14	170	24	29.51			30.16	AA		30.19
25	0953	12	FEW040 BKN250	10.00		72	22.2	61	16.3	54	12.2	53	14	150	29	29.50			30.16	AA		30.18
25	1053	12	BKN043	10.00		76	24.4	63	17.4	55	12.8	48	20	190	29	29.49			30.14	AA		30.17
25	1153	12	SCT046 BKN060	10.00		76	24.4	63	17.1	54	12.2	47	14	180	24	29.46			30.11	AA		30.14
25	1253	12	FEW047 BKN060	10.00		78	25.6	64	17.8	55	12.8	45	16	160	22	29.42			30.08	AA		30.10
25	1353	12	BKN046 BKN055	10.00		69	20.6	60	15.4	53	11.7	57	18	260		29.41			30.07	AA		30.09
25	1402	12	OVC046	10.00		68	20.0	60	15.5	54	12.2	61	20	260	25	29.41		M		SP		30.09
25	1409	12	BKN045 OVC055	8.00	VCTS RA	66	18.9	61	15.9	57	13.9	73	17	260	26	29.42		M		SP		30.10
25	1423	12	BKN045CB OVC055	2.50	+TSRA BR	62	16.7	60	15.3	58	14.4	87	13	240	23	29.42		M		SP		30.10
25	1438	12	BKN044CB OVC055	5.00	+TSRA BR	62	16.7	60	15.6	59	15.0	90	9	250		29.41		M		SP		30.09
25	1443	12	SCT044 BKN055 OVC070	5.00	VCTS -RA BR	62	16.7	60	15.6	59	15.0	90	10	250		29.42		M		SP		30.10
25	1451	12	FEW044 BKN055 OVC075	3.00	VCTS +RA BR	63	17.0	60	15.2	57	14.0	81	11	250		29.41		M		SP		30.09
25	1453	12	BKN049 BKN060 OVC075	3.00	VCTS +RA BR	62	16.7	60	15.6	59	15.0	90	9	240		29.41		30.08	AA		0.25s	30.09
25	1501	12	BKN060 OVC075	2.50	VCTS RA BR	62	16.7	60	15.6	59	15.0	90	8	240		29.41		M		SP		30.09
25	1507	12	FEW045 BKN055 OVC070	3.00	RA BR	62	16.7	60	15.6	59	15.0	90	6	200		29.41		M		SP		30.09
25	1512	12	BKN047 BKN060 OVC075	1.75	+RA BR	62	16.7	60	15.6	59	15.0	90	9	250		29.41		M		SP		30.09
25	1529	12	BKN049 OVC070	3.00	RA BR	61	16.1	60	15.4	59	15.0	93	6	180		29.41		M		SP		30.09
25	1553	12	FEW055 BKN075 OVC090	4.00	RA BR	61	16.1	60	15.4	59	15.0	93	0	000		29.40		30.07	AA		0.24	30.08
25	1653	12	BKN075 OVC090	4.00	RA BR	61	16.1	60	15.4	59	15.0	93	8	250		29.40		30.07	AA		0.19	30.08
25	1753	12	BKN075 OVC090	4.00	RA BR	60	15.6	59	14.9	58	14.4	93	6	120		29.41		30.07	AA		0.15	30.09
25	1853	12	OVC080	8.00	RA	60	15.6	59	15.2	59	15.0	97	0	000		29.41		30.08	AA		0.11	30.09
25	1953	12	BKN075 OVC090	4.00	RA BR	60	15.6	59	14.9	58	14.4	93	0	000		29.43		30.10	AA		0.15	30.11
25	2053	12	FEW080 SCT095 SCT120	10.00		59	15.0	58	14.6	58	14.4	97	6	030		29.38		30.05	AA		0.10	30.06
25	2137	12	FEW008 SCT095 BKN120	10.00		59	15.0	58	14.6	58	14.4	97	5	100		29.38		M		SP		30.06
25	2153	12	SCT008 BKN095 BKN120	10.00		59	15.0	58	14.3	57	13.9	93	6	VR		29.38		30.05	AA			30.06
25	2157	12	BKN008 BKN095 BKN120	10.00		59	15.0	58	14.3	57	13.9	93	5	100		29.39		M		SP		30.07

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N6563D

25	2253	12	BKN008 BKN095 BKN120	10.00		59	15.0	58	14.3	57	13.9	93	5	VR		29.38		30.04	AA		30.06
25	2338	12	FEW008 SCT012 BKN070	10.00		59	15.0	58	14.3	57	13.9	93	3	120		29.37		M	SP		30.05
25	2353	12	BKN011 BKN075 BKN095	10.00		59	15.0	58	14.3	57	13.9	93	0	000		29.37		30.03	AA		30.05

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY REMARKS OBSERVATIONS TABLE
BIRMINGHAM INTERNATIONAL AIRPORT (13876)
BIRMINGHAM, AL
(03/2017)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 615 ft. above sea level
Latitude: 33.565
Longitude: -86.745
Data Version: VER3

Date	Time	Remarks
25	0053	AO2 SLP220 T01830128 FIBI (EA)
25	0153	AO2 SLP220 T01830122 FIBI (EA)
25	0253	AO2 SLP214 T01720122 58005 FIBI (EA)
25	0353	AO2 SLP212 T01720111 FIBI (EA)
25	0453	AO2 SLP218 T01720111 FIBI (EA)
25	0553	AO2 SLP219 T01720117 10194 20172 53004 FIBI (EA)
25	0653	AO2 SLP222 T01780122 (RJD)
25	0753	AO2 SLP216 T01830122 (RJD)
25	0853	AO2 SLP215 T02060128 58003 (RJD)
25	0953	AO2 SLP212 T02220122 (RJD)
25	1053	AO2 SLP208 T02440128 (RJD)
25	1153	AO2 SLP198 T02440122 10244 20172 58016 (RJD)
25	1253	AO2 PK WND 20028/1807 LTG DSNT NW SLP187 T02560128 (RJD)
25	1353	AO2 SLP182 T02060117 (TC)
25	1402	AO2 WSHFT 1942 LTG DSNT S AND SW T02000122 (TC)
25	1409	AO2 WSHFT 1942 LTG DSNT S AND SW RAB06 TS VC SW MOV NE P0000 T01890139 (TC)
25	1423	AO2 WSHFT 1942 RAB06 TSB20 OCNL LTGIC OHD TS OHD MOV NE P0002 T01670144 (TC)
25	1438	AO2 WSHFT 1942 LTG DSNT S RAB06 TSB20 OCNL LTGIC NE TS NE MOV NE P0017 T01670150 (TC)
25	1443	AO2 WSHFT 1942 LTG DSNT S RAB06 TSB20E42 TS VC S MOV NE P0020 T01670150 (TC)
25	1451	AO2 WSHFT 1942 LTG DSNT S RAB06 TSB20 P0023 (TC)
25	1453	AO2 WSHFT 1942 LTG DSNT S RAB06 TSB20 SLP185 TS VC S MOV NE P0024 60024 T01670150 55004 (TC)
25	1501	AO2 LTG DSNT SE AND S TS VC S MOV NE P0002 T01670150 (TC)
25	1507	AO2 LTG DSNT SE P0004 T01670150 (TC)
25	1512	AO2 LTG DSNT SE P0006 T01670150 (TC)
25	1529	AO2 LTG DSNT NE P0016 T01610150 (TC)
25	1553	AO2 SLP183 P0024 T01610150 (TC)
25	1653	AO2 SLP182 P0018 T01610150 (TC)
25	1753	AO2 SLP184 P0015 60081 T01560144 10261 20156 55001 (TC)
25	1853	AO2 SLP186 P0012 T01560150
25	1953	AO2 SLP192 P0014 T01560144
25	2053	AO2 RAE48 SLP175 P0012 60038 T01500144 58008
25	2137	AO2 T01500144
25	2153	AO2 SLP176 T01500139
25	2157	AO2 T01500139
25	2253	AO2 SLP174 T01500139
25	2338	AO2 T01500139
25	2353	AO2 SLP171 60038 T01500139 10156 20150 402610150 58003

Dynamically generated Tue Apr 04 13:10:05 EDT 2017 via <http://www.ncdc.noaa.gov/qcled/QCLCD>

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
Data Version: VER3

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY PRECIPITATION TABLE
BIRMINGHAM INTERNATIONAL AIRPORT (13876)
BIRMINGHAM, AL
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

A.M. HOUR(L.S.T) ENDING AT													P.M. HOUR(L.S.T) ENDING AT													
DT	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--
25													25			0.25S	0.24	0.19	0.15	0.11	0.15	0.10				25

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)

NOAA, National Climatic Data Center

Month: 03/2017

Station Location: BIRMINGHAM INTERNATIONAL AIRPORT (13876)

BIRMINGHAM, AL

Lat. 33.565 Lon. -86.745

Elevation(Ground): 615 ft. above sea level

D	Temperature (Fahrenheit)						Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)			Precipitation			Pressure(Inches of Hg)		Wind Speed-mph Dir=tens of degrees					D	
	Max	Min	Avg	Deep From Normal	Avg Dew pt	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 LST	1200 UTC	1800 LST	2400 LST	Avg Station	Avg Sea Level	Residual Speed	Res Dir	Avg Speed	max 5-second Speed	max 2-minute Speed		max 1-minute Speed
1	2	3	4	5	6	7	8	9	10	11							17	18	19	20	21	22	23	24	25	26
25	79	59	69	12	55	59	0	4	0544	1801	RA BR VCTS	0	M	0.0	1.19	29.44	30.12	6.3	17	9.0	32	200	25	200	25	25

U.S. Department of Commerce
National Oceanic & Atmospheric Administration

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
HUNTSVILLE INTL/C.T.JONES FIELD AIRPORT
(03856)
HUNTSVILLE, AL
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 624 ft. above sea level
Latitude: 34.643
Longitude: -86.786
Data Version: VER3

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip Total (in)	Alti-meter (in. hg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
25	0053	11	FEW075	10.00		65	18.3	58	14.5	53	11.7	65	10	140		29.45			30.12	AA		30.14
25	0153	11	CLR	10.00		65	18.3	58	14.5	53	11.7	65	9	150		29.45			30.12	AA		30.14
25	0253	11	CLR	10.00		64	17.8	58	14.3	53	11.7	68	9	170		29.45			30.12	AA		30.14
25	0353	11	CLR	10.00		63	17.2	58	14.3	54	12.2	73	9	150		29.44			30.11	AA		30.13
25	0453	11	BKN180	10.00		63	17.2	58	14.3	54	12.2	73	11	140		29.45			30.12	AA		30.14
25	0553	11	BKN190 OVC230	10.00		63	17.2	57	14.1	53	11.7	70	20	140		29.44			30.12	AA		30.13
25	0653	11	BKN190 OVC220	10.00		66	18.9	59	14.7	53	11.7	63	21	150		29.44			30.12	AA		30.13
25	0753	11	FEW130 BKN190 OVC220	10.00		66	18.9	59	14.7	53	11.7	63	23	160	29	29.46			30.13	AA		30.15
25	0853	11	FEW030 BKN160 OVC250	10.00		70	21.1	61	16.2	55	12.8	59	22	160	37	29.44			30.11	AA		30.13
25	0953	11	SCT045 SCT150 OVC250	10.00		72	22.2	62	16.6	55	12.8	55	17	170	28	29.44			30.11	AA		30.13
25	1053	11	BKN044 OVC180	10.00		74	23.3	63	17.3	56	13.3	54	20	150	25	29.41			30.09	AA		30.10
25	1153	11	BKN048 OVC170	10.00		74	23.3	64	17.6	57	13.9	56	16	160	24	29.39			30.06	AA		30.08
25	1253	11	BKN048 BKN060 OVC150	10.00		75	23.9	64	17.5	56	13.3	52	22	180	30	29.36			30.03	AA		30.05
25	1333	11	BKN048 OVC060	3.00	-RA	64	17.8	59	15.2	56	13.3	75	26	230	32	29.37			M	SP		30.06
25	1351	11	FEW048 BKN075 OVC090	10.00	VCTS -RA	63	17.0	60	15.2	57	14.0	81	13	180		29.37			M	SP		30.06
25	1353	11	FEW048CB BKN075 OVC090	10.00	VCTS -RA	63	17.0s	60	15.2	57	14.0s	81	13	180		29.37			30.04	AA	0.04	30.06
25	1416	11	FEW070 SCT090 BKN110	10.00		64	17.8	61	16.1	59	15.0	84	11	180		29.35			M	SP		30.04
25	1453	11	OVC100	10.00	-RA	65	18.3	62	16.6	60	15.6	84	8	170		29.35			30.02	AA	T	30.04
25	1553	11	FEW060 OVC090	10.00	-RA	64	17.8	61	16.1	59	15.0	84	8	160		29.34			30.02	AA	0.01	30.03
25	1653	11	FEW045 OVC090	10.00	-RA	62	16.7	60	15.6	59	15.0	90	8	190		29.35			30.02	AA	0.02	30.04
25	1753	11	OVC090	10.00	-RA	61	16.1	59	15.1	58	14.4	90	9	130		29.34			30.01	AA	0.04	30.03
25	1853	11	OVC080	10.00	-RA	60	15.6	59	15.2	59	15.0	97	8	150		29.37			30.04	AA	0.03	30.06
25	1953	11	BKN065 OVC080	10.00	-RA	60	15.6	59	15.2	59	15.0	97	5	160		29.38			30.06	AA	0.07	30.07
25	2053	11	OVC060	7.00	RA	59	15.0	59	15.0	59	15.0	100	6	140		29.37			30.05	AA	0.18	30.06
25	2153	11	SCT100 OVC120	10.00		59	15.0	58	14.6	58	14.4	97	13	110		29.33			30.00	AA	0.03	30.02
25	2218	11	FEW004 OVC150	10.00		59	15.0	58	14.6	58	14.4	97	10	100		29.32			M	SP		30.01
25	2253	11	FEW180	10.00		58	14.4	58	14.4	58	14.4	100	8	110		29.31			29.98	AA		30.00
25	2353	11	BKN085 BKN110	10.00		58	14.4	58	14.4	58	14.4	100	9	120		29.31			29.98	AA		30.00

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA**
(final)
HOURLY REMARKS OBSERVATIONS TABLE
HUNTSVILLE INTL/C.T.JONES FIELD AIRPORT
(03856)
HUNTSVILLE, AL
(03/2017)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 624 ft. above sea level
Latitude: 34.643
Longitude: -86.786
Data Version: VER3

Date	Time	Remarks
25	0053	AO2 SLP201 T01830117
25	0153	AO2 SLP201 T01830117
25	0253	AO2 SLP199 T01780117 56006
25	0353	AO2 SLP197 T01720122
25	0453	AO2 SLP200 T01720122 (MD)
25	0553	AO2 SLP199 T01720117 10206 20167 56000 (MD)
25	0653	AO2 SLP199 T01890117 (MD)
25	0753	AO2 PK WND 17028/1323 SLP203 T01890117 (MD)
25	0853	AO2 PK WND 15032/1450 SLP198 T02110128 50000 (MD)
25	0953	AO2 PK WND 16030/1457 SLP195 T02220128 (MD)
25	1053	AO2 PK WND 18027/1642 SLP188 T02330133 (MD)
25	1153	AO2 PK WND 16027/1656 SLP179 T02330139 10244 20172 58019 (MD)
25	1253	AO2 PK WND 18027/1848 LTG DSNT W AND NW SLP171 RMK PK WND 18027/1848 CB DSNT W AND NW T02390133 (MD) (MD)
25	1333	AO2 PK WND 24034/1920 WSHFT 1913 LTG DSNT N RAB27 CB DSNT N P0000 T01780133 (GC)
25	1351	AO2 PK WND 24034/1920 WSHFT 1913 LTG DSNT N AND SE RAB27 TSE50 CB DSNT N AND SE P0004 FIBI (GC)
25	1353	AO2 PK WND 24034/1920 WSHFT 1913 LTG DSNT N AND SE RAB27 TSE50 SLP173 OCNL LTGICCG VC SE TS VC SE MOV E CB DSNT N SE P0004 T01720144
25	1416	AO2 LTG DSNT NE RAE01 CB DSNT NE AND SE P0000 T01780150 (GC)
25	1453	AO2 LTG DSNT NE AND E RAE01B32 SLP167 CB DSNT NE AND E P0000 60004 T01830156 56014 (GC)
25	1553	AO2 SLP166 P0001 T01780150 (GC)
25	1653	AO2 SLP167 P0002 T01670150 (GC)
25	1753	AO2 SLP164 P0004 60011 T01610144 10250 20161 58003 (GC)
25	1853	AO2 SLP173 P0003 T01560150
25	1953	AO2 SLP180 P0006 T01560150
25	2053	AO2 SLP176 P0017 60026 T01500150 50012
25	2153	AO2 RAE53 SLP159 P0005 T01500144
25	2218	AO2 T01500144
25	2253	AO2 SLP154 T01440144
25	2353	AO2 SLP154 60031 T01440144 10161 20144 402500144 56021

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
Data Version: VER3

QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY PRECIPITATION TABLE
HUNTSVILLE INTL/C.T.JONES FIELD AIRPORT
(03856)
HUNTSVILLE, AL
(03/2017)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

A.M. HOUR(L.S.T) ENDING AT													P.M. HOUR(L.S.T) ENDING AT													
DT	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--
25													25		0.04	T	0.01	0.02	0.04	0.03	0.07	0.18	0.03			25

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)
NOAA, National Climatic Data Center
Month: 03/2017

Station Location: HUNTSVILLE INTL./C.T.JONES FIELD AIRPORT (03856)
HUNTSVILLE, AL
Lat. 34.643 Lon. -86.786
Elevation(Ground): 624 ft. above sea level

Day of Year	Temperature (Fahrenheit)					Degree Days Base 65 Degrees				Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation		Pressure(Inches of Hg)		Wind Speed=mph Dir=tens of degrees						Day of Year	
	Max	Min	Avg	Dep From Normal	Avg Dew pt	Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST	1200 UTC		1800 UTC	2400 LST	2400 LST	Avg Station	Avg Sea Level	Resultant Speed	Res Dir	Avg Speed	5-second Speed	max Dir	max 2-minute Dir	max 1 Dir		
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
25	77	58	68	13	56	60	0	3	0544	1802	RA VCTS	0	MT	0.0	0.42	29.36	30.07	12.0	15	12.7	39	240	31	240	25	

**QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY OBSERVATIONS TABLE
HARTSFIELD-JACKSON ATLANTA INTL AP (13874)
ATLANTA, GA
(03/2017)**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 1010 ft. above sea level
Latitude: 33.630
Longitude: -84.441
Data Version: VER3

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
25	0052	11	FEW060 BKN220	10.00		63	17.2	55	12.9	49	9.4	60	16	160	23	29.15			30.24	AA		30.26
25	0152	11	FEW060 BKN250	10.00		61	16.1	55	12.5	49	9.4	65	10	150		29.15			30.24	AA		30.25
25	0252	11	FEW060 BKN250	10.00		60	15.6	55	12.5	50	10.0	70	8	150		29.14			30.23	AA		30.24
25	0352	11	FEW060 OVC250	10.00		59	15.0	55	12.5	51	10.6	75	7	150		29.14			30.22	AA		30.24
25	0452	11	BKN250	10.00		58	14.4	54	12.3	51	10.6	78	6	150		29.15			30.24	AA		30.26
25	0552	11	BKN250	10.00		58	14.4	54	12.3	51	10.6	78	3	120		29.18			30.26	AA		30.28
25	0652	11	SCT050 BKN220	10.00		56	13.3	54	12.1	52	11.1	87	7	090		29.18			30.28	AA		30.29
25	0752	11	FEW050 SCT200 OVC250	10.00		58	14.4	55	12.6	52	11.1	81	7	120		29.18			30.28	AA		30.29
25	0852	11	BKN250	10.00		62	16.7	57	14.1	54	12.2	75	11	160	17	29.18			30.26	AA		30.28
25	0952	11	FEW025 FEW150 BKN250	10.00		66	18.9	60	15.3	55	12.8	68	11	180		29.18			30.26	AA		30.28
25	1052	11	SCT032 BKN250	10.00		69	20.6	60	15.7	54	12.2	59	11	170		29.15			30.24	AA		30.26
25	1152	11	SCT038 BKN250	10.00		71	21.7	61	15.8	53	11.7	53	6	170	18	29.14			30.22	AA		30.24
25	1252	11	SCT045 BKN250	10.00		73	22.8	61	16.0	52	11.1	48	15	150	23	29.10			30.19	AA		30.20
25	1352	11	SCT050 BKN100 BKN250	10.00		74	23.3	61	16.2	52	11.1	46	11	160	23	29.07			30.16	AA		30.17
25	1452	11	BKN055 BKN250	10.00		74	23.3	61	15.9	51	10.6	45	11	150	18	29.06			30.14	AA		30.16
25	1552	11	FEW055 BKN070 BKN250	10.00		74	23.3	60	15.4	49	9.4	41	14	160	21	29.02			30.10	AA		30.12
25	1652	11	FEW055 BKN075 BKN085	10.00		74	23.3	60	15.6	50	10.0	43	15	160		29.01			30.09	AA		30.11
25	1752	11	FEW060 SCT070 SCT190	10.00		74	23.3	60	15.6	50	10.0	43	13	130		28.99			30.07	AA		30.09
25	1852	11	FEW050 SCT070 SCT080	10.00		71	21.7	59	15.0	50	10.0	48	9	140		28.99			30.08	AA		30.09
25	1952	11	FEW070 FEW080 SCT190	10.00		70	21.1	59	14.8	50	10.0	49	6	130		29.00			30.08	AA		30.10
25	2052	11	FEW080 SCT190 SCT230	10.00		68	20.0	58	14.3	50	10.0	53	7	120		29.00			30.09	AA		30.10
25	2152	11	SCT085 SCT180 BKN210	10.00		68	20.0	58	14.3	50	10.0	53	8	130		29.01			30.09	AA		30.11
25	2252	11	FEW060 BKN080 BKN100	10.00		67	19.4	57	14.1	50	10.0	55	10	140		29.01			30.09	AA		30.11
25	2342	11	SCT038 BKN050 OVC080	7.00	-RA	63	17.2	59	14.9	56	13.3	78	11	240	21	29.03			M	SP		30.13
25	2352	11	BKN035 OVC050	5.00	-RA BR	62	16.7	59	14.7	56	13.3	81	8	240		29.03			30.11	AA	0.07	30.13

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ZTL-ARTCC-0296
N6563D

U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

HOURLY REMARKS OBSERVATIONS TABLE
HARTSFIELD-JACKSON ATLANTA INTL AP (13874)
ATLANTA, GA
(03/2017)

Elevation: 1010 ft. above sea level
Latitude: 33.630
Longitude: -84.441
Data Version: VER3

Date	Time	Remarks
25	0052	AO2 SLP240 T01720094 10217 20172 58012 (DB)
25	0152	AO2 SLP239 T01610094 (DB)
25	0252	AO2 SLP237 T01560100 (DB)
25	0352	AO2 SLP235 T01500106 58005 (DB)
25	0452	AO2 SLP241 T01440106 (DB)
25	0552	AO2 SLP248 T01440106 (DB)
25	0652	AO2 SLP253 T01330111 10172 20133 51016 (DB)
25	0752	AO2 SLP253 BINOVC T01440111 (DB)
25	0852	AO2 SLP248 T01670122 (JRN)
25	0952	AO2 SLP247 T01890128 58003 (JRN)
25	1052	AO2 SLP242 T02060122 (JRN)
25	1152	AO2 SLP233 T02170117 (JRN)
25	1252	AO2 SLP222 T02280111 10233 20133 58025 (JRN)
25	1352	AO2 SLP212 T02330111 (JRN)
25	1452	AO2 SLP205 T02330106 (JRN)
25	1552	AO2 SLP194 T02330094 58027 (JRN)
25	1652	AO2 SLP190 T02330100 (CPS)
25	1752	AO2 SLP183 T02330100 (CPS)
25	1852	AO2 SLP186 VIRGA W-NW T02170100 10244 20217 55010 (CPS)
25	1952	AO2 SLP187 T02110100
25	2052	AO2 SLP188 T02000100
25	2152	AO2 SLP188 T02000100 51004
25	2252	AO2 SLP189 T01940100
25	2342	AO2 WSHFT 0426 RAB32 PRESRR P0004 T01720133
25	2352	AO2 WSHFT 0426 RAB32 SLP197 P0006 T01670133 402440133

Dynamically generated Tue Apr 04 13:13:26 EDT 2017 via <http://www.ncdc.noaa.gov/qclcd/QCLCD>

ZTL-ARTCC-0296
N6563D

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
Data Version: VER3

QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(final)
HOURLY PRECIPITATION TABLE
HARTSFIELD-JACKSON ATLANTA INTL AP (13874)
ATLANTA, GA
(03/2017)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

A.M. HOUR(L.S.T) ENDING AT													P.M. HOUR(L.S.T) ENDING AT													
DT	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--
25													25												0.07	25

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)
NOAA, National Climatic Data Center
Month: 03/2017

Station Location: HARTSFIELD-JACKSON ATLANTA INTL AP (13874)
ATLANTA, GA
Lat. 33.630 Lon. -84.441
Elevation(Ground): 1010 ft. above sea level

Temperature (Fahrenheit)	Degree Days Base 65 Degrees						Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (In)		Pressure(Inches of Hg)		Wind Speed-mph Dir=ten's of degrees		D a t e								
	Max	Min	Avg	Dep From Normal	Avg Dev pt	Avg Wet Bulb	Heating	Cooling		Sunrise LST	Sunset LST	1200 UTC	1800 UTC	2400 LST	2400 LST	Avg Station	Avg Sea Level		Resultant Speed	Res Avg Dir	max 5-second Speed	max 2-minute Speed	max 1-minute Speed			
1	2	3	4	5	6	7	8	9	10	11		12														
25	76	56	66	9	51	58	0	1	0635	1853	RA BR		0	M	0.0	0.07	29.10	30.18	8.9	15	9.7	24	150	20	170	25

U.S. Department of Commerce
National Oceanic & Atmospheric Administration

QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(may be updated)
HOURLY OBSERVATIONS TABLE
MERIDIAN NAS/MC CAIN FD AP (03866)
MERIDIAN, MS
(03/2017)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 271 ft. above sea level
Latitude: 32.55
Longitude: -88.566
Data Version: VER2

Date	Time (LST)	Station Type	Sky Conditions	Visibility (SM)	Weather Type	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Humd %	Wind Speed (MPH)	Wind Dir	Wind Gusts (MPH)	Station Pressure (in. hg)	Press Tend	Net 3-hr Chg (mb)	Sea Level Pressure (in. hg)	Report Type	Precip. Total (in)	Alti-meter (in. hg)
1	2	3	4	5	6	(F)	(C)	(F)	(C)	(F)	(C)	13	14	15	16	17	18	19	20	21	22	23
25	0056	5	CLR	10.00		64	17.8	M	M	57	13.9	M	6	150		M			30.14	AA		30.12
25	0156	5	CLR	10.00		63	17.2	M	M	56	13.3	M	0	000		M			30.14	AA		30.12
25	0256	5	CLR	10.00		62	16.7	M	M	57	13.9	M	5	140		M			30.13	AA		30.10
25	0356	5	SCT	10.00		62	16.7	M	M	57	13.9	M	6	130		M			30.14	AA		30.11
25	0456	5	CLR	10.00		62	16.7	M	M	56	13.3	M	13	130	21	M			30.10	AA		30.08
25	0556	5	CLR	10.00		63	17.2	M	M	57	13.9	M	10	150		M			30.12	AA		30.09
25	0656	5	CLR	10.00		64	17.8	M	M	57	13.9	M	9	150		M			30.15	AA		30.13
25	0737	5	CLR	10.00		67	19.4	M	M	57	13.9	M	10	170		M			30.15	SP		30.12
25	0756	5	CLR	10.00		69	20.6	M	M	58	14.4	M	10	140	17	M			30.14	AA		30.12
25	0837	5	CLR	10.00		70	21.1	M	M	58	14.4	M	14	170	21	M			M	SP		30.12
25	0856	5	CLR	10.00		72	22.2	M	M	58	14.4	M	13	190	23	M			30.15	AA		30.12
25	0908	5	CLR	8.00		67	19.4	M	M	53	11.7	M	23	260	36	M			M	SP		30.16
25	0913	5	CLR	1.75		62	16.7	M	M	52	11.1	M	14	260	36	M			M	SP		30.16
25	0919	5	CLR	1.00		60	15.6	M	M	53	11.7	M	7	VR	21	M			M	SP		30.15
25	0926	5	CLR	2.00		60	15.6	M	M	54	12.2	M	6	VR		M			M	SP		30.15
25	0939	5	CLR	5.00		60	15.6	M	M	55	12.8	M	7	140		M			M	SP		30.14
25	0956	5	CLR	7.00		60	15.6	M	M	56	13.3	M	7	160		M			30.15	AA		30.13
25	1031	5	CLR	6.00		61	16.1	M	M	56	13.3	M	7	150		M			M	SP		30.13
25	1056	5	CLR	4.00		61	16.1	M	M	56	13.3	M	8	150		M			30.15	AA		30.13
25	1115	5	CLR	8.00		61	16.1	M	M	56	13.3	M	7	130		M			M	SP		30.11
25	1130	5	CLR	10.00		61	16.1	M	M	57	13.9	M	7	160		M			M	SP		30.11
25	1143	5	CLR	10.00		62	16.7	M	M	57	13.9	M	7	140		M			M	SP		30.10
25	1156	5	CLR	10.00		62	16.7	M	M	57	13.9	M	9	140		M			30.11	AA		30.09
25	1256	5	CLR	7.00		62	16.7	M	M	57	13.9	M	8	140		M			30.10	AA		30.07
25	1356	5	CLR	10.00		62	16.7	M	M	56	13.3	M	6	140		M			30.06	AA		30.04
25	1424	5	SCT	10.00		62	16.7	M	M	57	13.9	M	6	150		M			M	SP		30.03
25	1451	5	FEW	10.00		63	17.0	M	M	57	14.0	M	7	160		M			M	SP		30.04
25	1456	5	SCT	10.00		62	16.7	M	M	57	13.9	M	7	160		M			30.06	AA		30.03
25	1535	5	CLR	9.00		62	16.7	M	M	57	13.9	M	6	160		M			M	SP		30.01
25	1610	5	CLR	7.00		62	16.7	M	M	57	13.9	M	8	190		M			M	SP		30.02
25	1656	5	CLR	10.00		62	16.7	M	M	57	13.9	M	15	120		M			29.98	AA		29.96
25	1756	5	CLR	10.00		62	16.7	M	M	57	13.9	M	5	130		M			30.00	AA	T	29.98
25	1847	5	SCT	10.00		61	16.1	M	M	56	13.3	M	6	120		M			M	SP		30.00
25	1856	5	CLR	10.00		61	16.1	M	M	56	13.3	M	5	120		M			30.03	AA		30.00

ZTL-ARTCC-0296
N6563D

25	1939	5	CLR	10.00		60	15.6	M	M	56	13.3	M	7	140	M		M	SP	30.01
25	1956	5	CLR	10.00		60	15.6	M	M	56	13.3	M	9	130	M		30.03	AA	30.00
25	2054	5	CLR	10.00		61	16.0	M	M	55	13.0	M	8	160	M		M	SP	30.01
25	2056	5	CLR	10.00		60	15.6	M	M	56	13.3	M	6	160	M		30.04	AA	30.01
25	2156	5	CLR	10.00		60	15.6	M	M	55	12.8	M	7	150	M		30.04	AA	30.02
25	2256	5	CLR	10.00		60	15.6	M	M	55	12.8	M	7	160	M		30.05	AA	30.02
25	2356	5	CLR	10.00		60	15.6	M	M	55	12.8	M	7	VR	M		30.05	AA	30.02

Dynamically generated Tue Apr 04 13:14:11 EDT 2017 via <http://www.ncdc.noaa.gov/qclcd/QCLCD>

QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(may be updated)
HOURLY REMARKS OBSERVATIONS TABLE
MERIDIAN NAS/MC CAIN FD AP (03866)
MERIDIAN, MS
(03/2017)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

Elevation: 271 ft. above sea level
Latitude: 32.55
Longitude: -88.566
Data Version: VER2

Date	Time	Remarks
25	0056	AO2 SLP207 T01780139=
25	0156	AO2 SLP208 T01720133=
25	0256	AO2 SLP202 T01670139 58009=
25	0356	AO2 SLP205 T01670139=
25	0456	AO2 SLP194 T01670133=
25	0556	AO2 SLP199 T01720139 10183 20161 55004=
25	0656	AO2 SLP210 T01780139=
25	0737	AO2 T01940139=
25	0756	AO2 SLP206 T02060144=
25	0837	AO2 T02110144=
25	0856	AO2 SLP209 T02220144 51011=
25	0908	AO2 PK WND 27031/1506 VIS 1 3/4 SOUTH RAB07 TSB02 PRESRR P0000 T01940117=
25	0913	AO2 PK WND 27031/1506 VIS 3/4 SOUTH RAB07 TSB02 P0011 T01670111=
25	0919	AO2 PK WND 27031/1506 RAB07 TSB02 P0019 T01560117=
25	0926	AO2 PK WND 27031/1506 RAB07 TSB02 P0022 T01560122=
25	0939	AO2 PK WND 27031/1506 RAB07 TSB02 P0025 T01560128=
25	0956	AO2 PK WND 27031/1506 RAB07 TSB02 SLP210 P0027 T01560133=
25	1031	AO2 TSE25 P0006 T01610133=
25	1056	AO2 TSE25 SLP210 P0015 T01610133=
25	1115	AO2 TSB09 P0003 T01610133=
25	1130	AO2 TSB09E24 P0005 T01610139=
25	1143	AO2 TSB09E24 P0005 T01670139=
25	1156	AO2 RAE44 TSB09E24 SLP197 P0005 60047 T01670139 10222 20156 58013=
25	1256	AO2 RAB09 SLP192 P0007 T01670139=
25	1356	AO2 RAE38 SLP180 P0002 T01670133=
25	1424	AO2 TSB18 T01670139=
25	1451	AO2 TSB18E45=
25	1456	AO2 TSB18E45 SLP179 60009 T01670139 56013=
25	1535	AO2 RAB08 TSB29 P0002 T01670139=
25	1610	AO2 TSE04 P0002 T01670139=
25	1656	AO2 TSE04 PRESFR SLP152 P0006 T01670139=
25	1756	AO2 RAE02 SLP160 P0000 60020 T01670139 10172 20161 55019=
25	1847	AO2 T01610133=
25	1856	AO2 SLP168 T01610133=
25	1939	AO2 T01560133=
25	1956	AO2 SLP168 T01560133=
25	2054	AO2=
25	2056	AO2 SLP172 T01560133 52004=
25	2156	AO2 CIG 005V009 SLP174 T01560128=
25	2256	AO2 SLP175 T01560128=
25	2356	AO2 SLP175 T01560128 10167 20156 402220156 51003=

Dynamically generated Tue Apr 04 13:14:18 EDT 2017 via <http://www.ncdc.noaa.gov/qcled/QCLCD>

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
Data Version: VER2

QUALITY CONTROLLED LOCAL
CLIMATOLOGICAL DATA
(may be updated)
HOURLY PRECIPITATION TABLE
MERIDIAN NAS/MC CAIN FD AP (03866)
MERIDIAN, MS
(03/2017)

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801

A.M. HOUR(L.S.T) ENDING AT													P.M. HOUR(L.S.T) ENDING AT													
DT	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--	--1--	--2--	--3--	--4--	--5--	--6--	--7--	--8--	--9--	--10--	--11--	--12--	--DT--
25													25						T							25

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(may be updated)

NOAA, National Climatic Data Center

Month: 03/2017

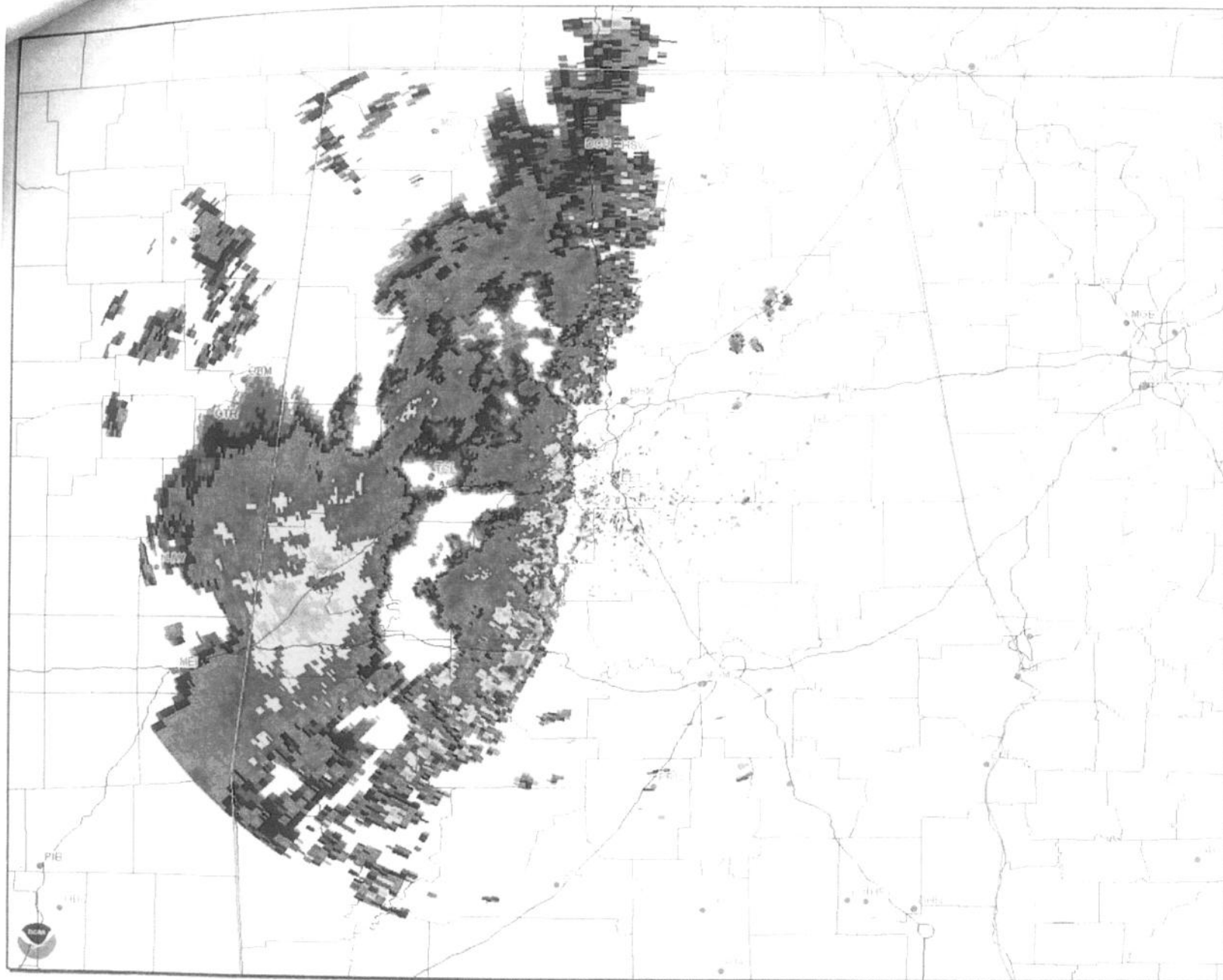
Station Location: MERIDIAN NAS/MC CAIN FD AP (03866)

MERIDIAN, MS

Lat. 32.55 Lon. -88.566

Elevation(Ground): 271 ft. above sea level

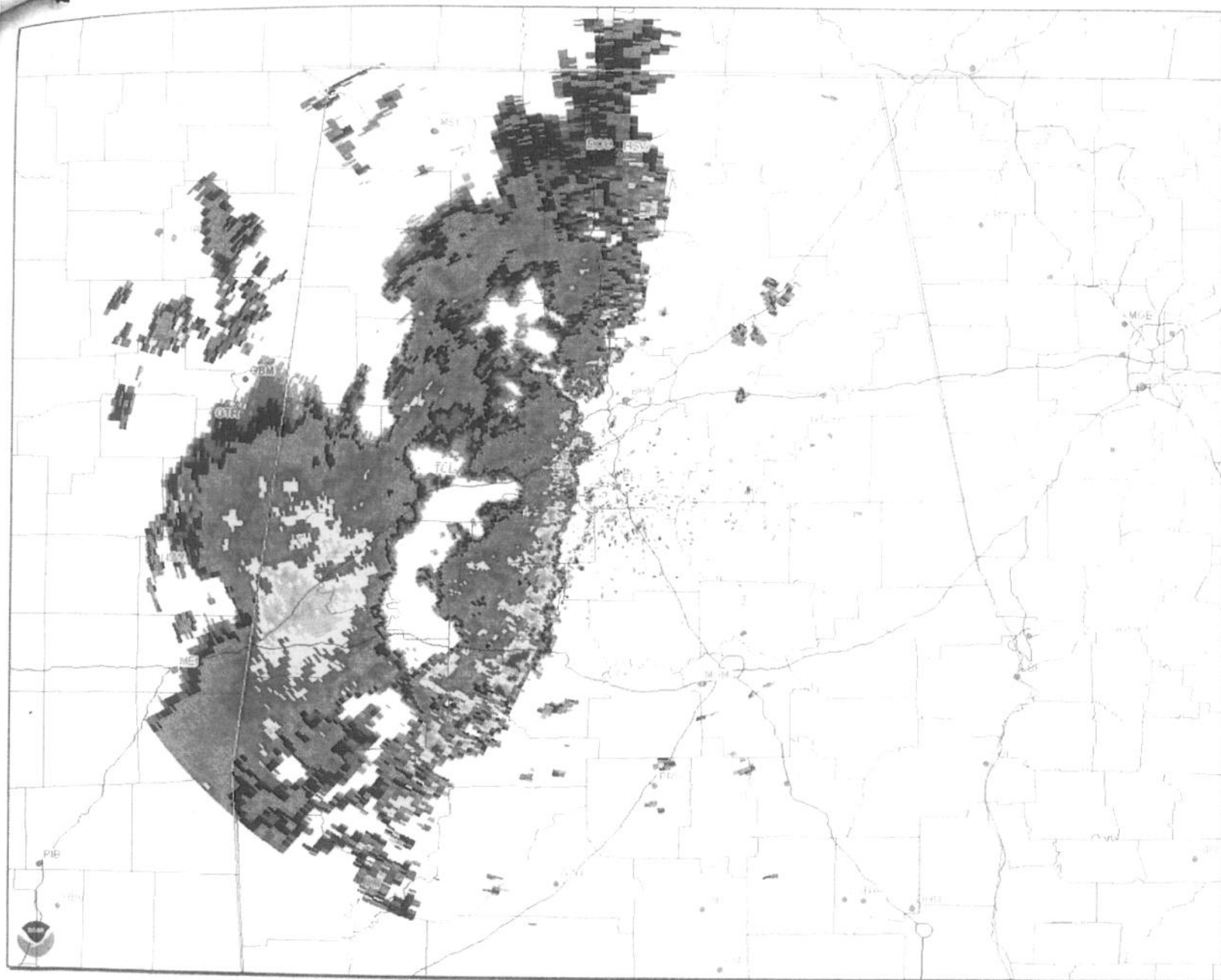
Temperature (Fahrenheit)				Degree Days Base 65 Degrees		Sun		Significant Weather	Snow/Ice on Ground(In)		Precipitation (Inches of Hg)		Wind Speed=mph Dir=tens of degrees												
Max	Min	Avg	Dep From Normal	Avg Wet Bulb	Heating	Cooling	Sunrise LST		Sunset LST	1200 UTC	1800 UTC	2400 LST	Avg Station	Avg Sea Level	Resultant Speed	Dir	Avg Speed	max 5-second	max 2-minute	a 1-minute	D 1-minute				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
25	M	M	M	M	57	M	M	M	0552	1808		M	M	M	M	M	30.09	7.0	14	M	M	M	M	M	25



NEXRAD LEVEL-III
BASE REFLECTIVITY
KBMX - BIRMINGHAM, AL
03/25/2017 19:28:03 GMT
LAT: 33/10/19 N
LON: 86/46/11 W
ELEV: 759 FT
MODE/VCP: A / 212
ELEV ANGLE: 0.50 °
MAX: 59 dBZ

Legend: dBZ (Category)

75	(15)
70	(14)
65	(13)
60	(12)
55	(11)
50	(10)
45	(9)
40	(8)
35	(7)
30	(6)
25	(5)
20	(4)
15	(3)
10	(2)
5	(1)

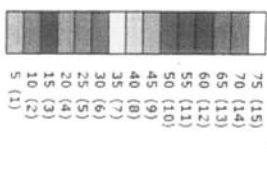
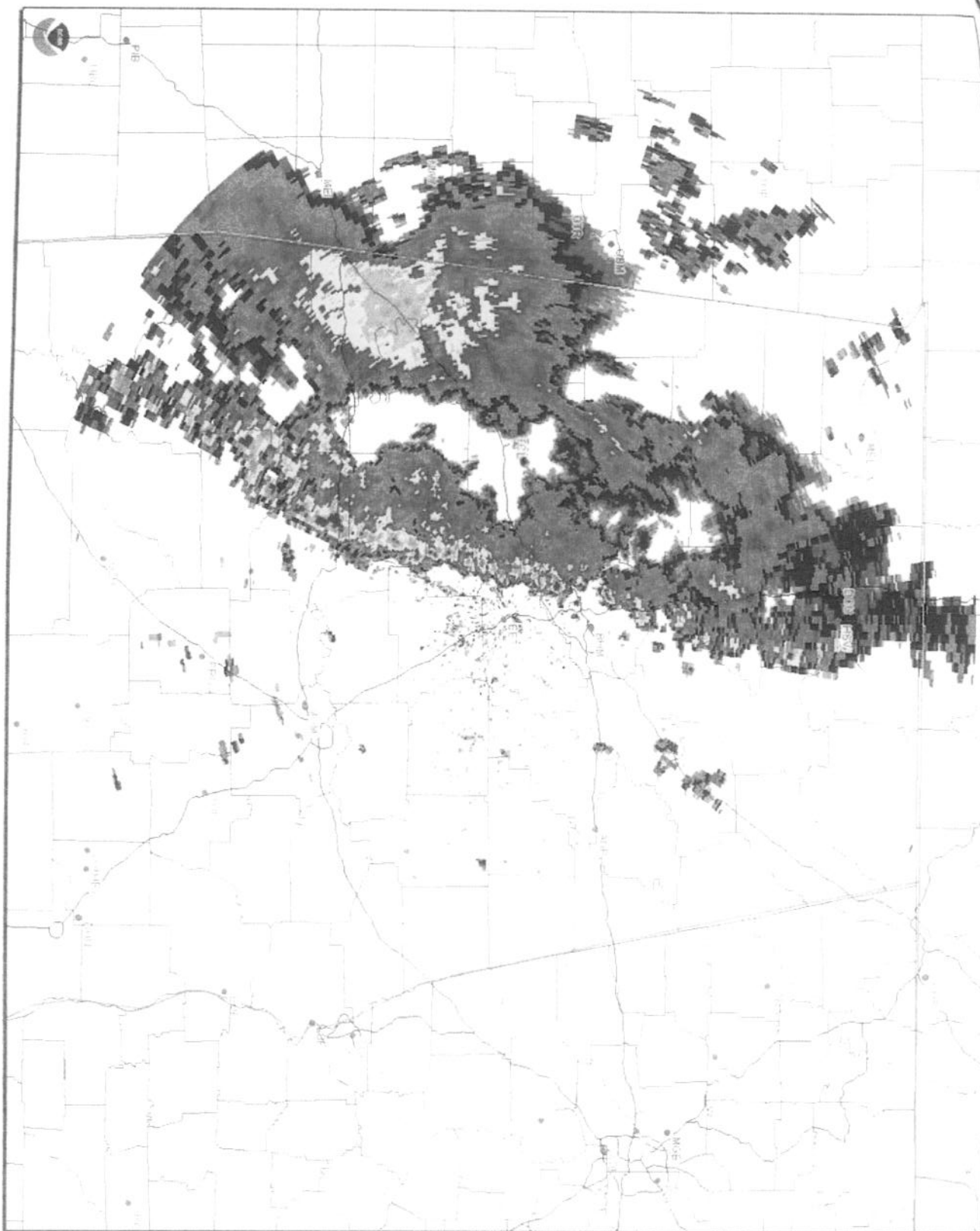


NEXRAD LEVEL-III
BASE REFLECTIVITY
KBMX - BIRMINGHAM, AL
03/25/2017 19:32:54 GMT
LAT: 33/10/19 N
LON: 86/46/11 W
ELEV: 759 FT
MODE/VCP: A / 212

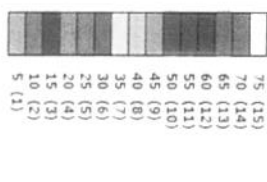
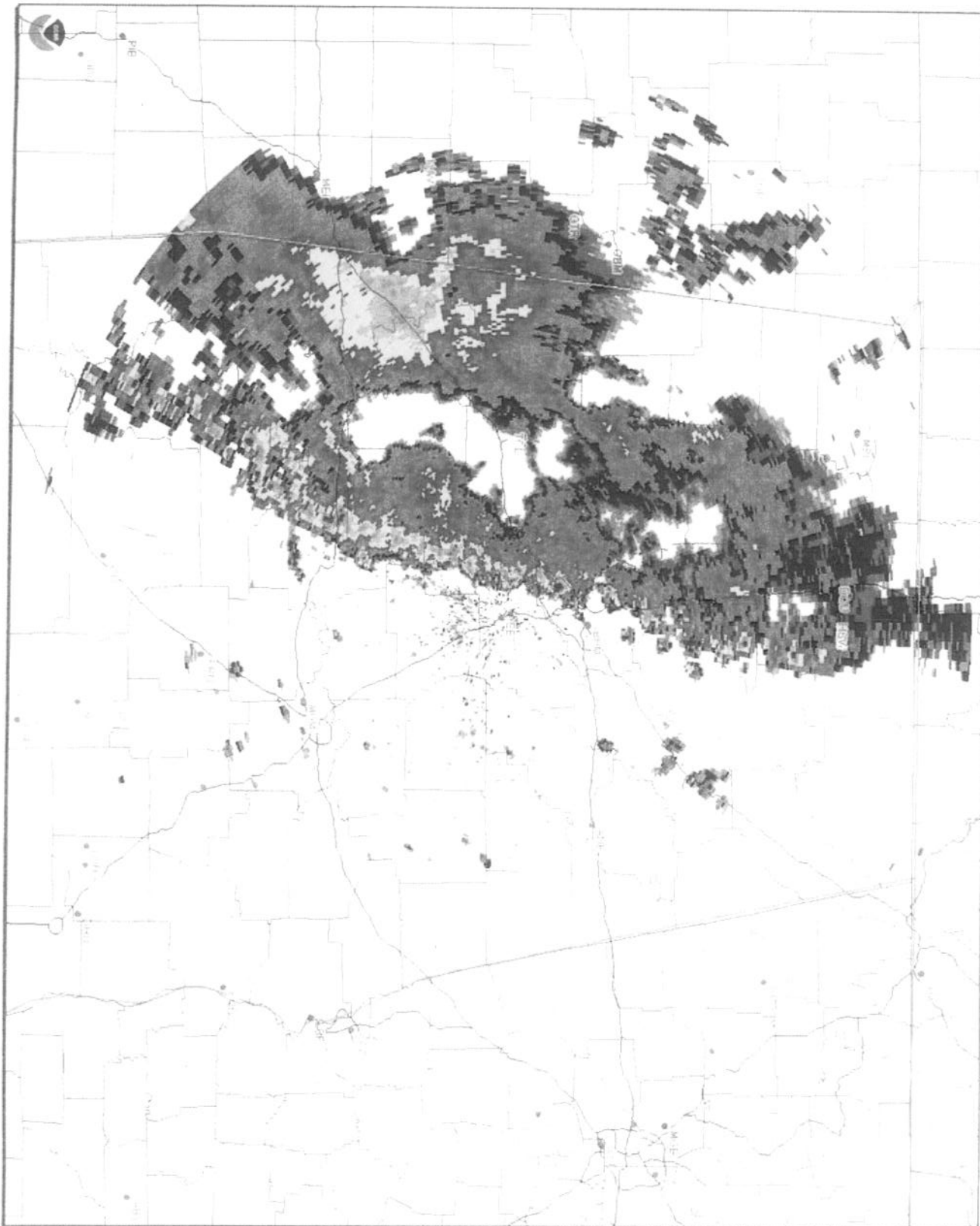
ELEV ANGLE: 0.50 °
MAX: 59 dBZ

Legend: dBZ (Category)

75	(15)
70	(14)
65	(13)
60	(12)
55	(11)
50	(10)
45	(9)
40	(8)
35	(7)
30	(6)
25	(5)
20	(4)
15	(3)
10	(2)
5	(1)



NEXRAD LEVEL-III
 BASE REFLECTIVITY
 KBMX - BIRMINGHAM, AL
 03/25/2017 19:37:44 GMT
 LAT: 33.10/19 N
 LON: 86.46/11 W
 ELEV: 759 FT
 MODE/VCP: A / 212
 ELEV ANGLE: 0.50 °
 MAX: 58 DBZ



Legend: dBZ (Category)

NEXRAD LEVEL-III
 BASE REFLECTIVITY
 KBHX - BIRMINGHAM, AL
 03/25/2017 19:42:20 GMT
 LAT: 33/10/19 N
 LON: 86/46/11 W
 ELEV: 759 FT
 MODE/VCP: A / 212
 ELEV ANGLE: 0.50 °
 MAX: 58 DBZ

Birmingham ATCT

Weather Products 3/25/2017 UTC

METAR KBHM 251853Z 16014G19KT 10SM FEW047 BKN060 26/13 A3010

SPECI KBHM 252002Z 26017G22KT 10SM RA BR OVC046 20/12 A3009

I certify this is an accurate copy of the original Birmingham Automated Surface Observation System (ASOS).




Mike Grosse
Support Specialist
Birmingham ATCT

ZTL-ARTCC-0296
N6563D

SECTION 12.

Other

UTC (Zulu) Time Conversion Chart

PDT/ MST	MDT/ CST	CDT/ EST	EDT/ AST	ALST	HST	UTC (Zulu)	PST/ ALDT	PDT/ MST	MDT/ CST	CDT/ EST	EDT/ AST	ALST	HST
700	1800	1900	2000	1500	1400								
800	1900	2000	2100	1600	1500	1300	0500	0600	0700	0800	0900	0400	0300
900	2000	2100	2200	1700	1600	1400	0600	0700	0800	0900	1000	0500	0400
000	2100	2200	2300	1800	1700	1500	0700	0800	0900	1000	1100	0600	0500
100	2200	2300	0000*	1900	1800	1600	0800	0900	1000	1100	1200	0700	0600
200	2300	0000*	0100	2000	1900	1700	0900	1000	1100	1200	1300	0800	0700
300	0000*	0100	0200	2100	2000	1800	1000	1100	1200	1300	1400	0900	0800
000*	0100	0200	0300	2200	2100	1900	1100	1200	1300	1400	1500	1000	0900
100	0200	0300	0400	2300	2200	2000	1200	1300	1400	1500	1600	1100	1000
200	0300	0400	0500	0000*	2300	2100	1300	1400	1500	1600	1700	1200	1100
300	0400	0500	0600	0100	0000*	2200	1400	1500	1600	1700	1800	1300	1200
400	0500	0600	0700	0200	0100	2300	1500	1600	1700	1800	1900	1400	1300
500	0600	0700	0800	0300	0200	2400	1600	1700	1800	1900	2000	1500	1400

are interchangeable.

1 with the date of the day ending, 0000 with the day just starting.

UTC = Coordinated Universal Time, or **Zulu**
PST = Pacific Standard Time (UTC - 8 hours)
ALDT = Alaskan Daylight Time (UTC - 8 hours)
PDT = Pacific Daylight Time (UTC - 7 hours)
MST = Mountain Standard Time (UTC - 7 hours)
MDT = Mountain Daylight Time (UTC - 6 hours)
CST = Central Standard Time (UTC - 6 hours)
CDT = Central Daylight Time (UTC - 5 hours)
EST = Eastern Standard Time (UTC - 5 hours)
EDT = Eastern Daylight Time (UTC - 4 hours)
AST = Atlantic Standard Time (UTC - 4 hours)
ALST = Alaskan Standard Time (UTC - 9 hours)
HST = Hawaiian Standard Time (UTC - 10 hours)
