

Specialist's Report – Attachment 3
Aircraft Accident Package

AIR TRAFFIC CONTROL

ERA20FA020

Copy

Aircraft Accident Package

19-003-N90

N959MJ, C414

October 29, 2019, 1458 UTC

Destroy: October 29, 2024 UTC

SECTION 1.
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19-003-N90
N959MJ

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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)

19-003-N90
N959MJ

FAA Form 8020-6, Report of Aircraft Accident

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT				REPORT DATE October 30, 2019		REPORT NO. 19-003-N90	
				NAME OF REPORTING FACILITY New York TRACON (N90)			
1. AIRCRAFT IDENTIFICATION AND TYPE N959MJ, C414			2. DATE/TIME OF ACCIDENT (UTC) October 29, 2019; 1458 UTC		3. LOCATION OF ACCIDENT: CITY, STATE (MAND) Woodbridge Township, NJ		
4. NATURE OF ACCIDENT Aircraft crashed in residential area.					LATITUDE/LONGITUDE (OPTL) N40 35 24.8400 W074 18 39.6200		
					5. TYPE OF FLIGHT IFR Flight Plan		
6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN
	Michael Schloss	Pilot	Port Orange, FL			X	
7. PASSENGER DATA		NUMBER ABOARD 0 AIRCRAFT	NUMBER UNINJURED 0	NUMBER INJURED 0	NUMBER FATALITIES 0		
8. AIRCRAFT DAMAGE Destroyed				9. PROPERTY DAMAGE Residences damaged by fire			
10. OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS Normal							
11. WEATHER DATA (USE UTC DATE/TIME)	REPORT JUST PRIOR TO ACCIDENT LINDEN METAR - 1455 UTC: automated, wind calm, visibility one zero statute miles, ceiling seven hundred overcast, temperature one four, dew point one two, altimeter three zero three one						
	FIRST REPORT SUBSEQUENT TO ACCIDENT LINDEN SPECI - 1515 UTC: automated, wind calm, visibility two statute miles, mist, ceiling seven hundred overcast, temperature one four, dew point one three, altimeter three zero three one						
12. ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION	CHECK IF EYEWITNESS			
	William Tirado *(TR)	N90 TRACON	408 AR				
*OPERATING INITIALS							
13. SIGNATURE OF FACILITY MANAGER Johnny Edwards				JOHNNY EDWARDS Digitally signed by JOHNNY EDWARDS Date: 2019.11.06 09:24:13 -0500			

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 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE October 31, 2019	REPORT NO. 19-003-N90
	NAME OF REPORTING FACILITY Potomac Consolidated TRACON (PCT)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
October 29, 2019

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1343 Shenandoah Flight Data issued an IFR clearance for N959MJ from Leesburg Executive Airport (JYO) to Linden Airport (LDJ) to the JYO control tower.

1348 JYO received an IFR release for N959MJ from TILLY.

1350 N959MJ reported airborne with TILLY climbing to 3,000 feet. TILLY radar identified N959MJ and issued the Dulles altimeter.

1352 TILLY instructed N959MJ to climb to 9,000 feet.

1358 N959MJ was transferred to the WOOLY controller, checked on climbing to 9,000 feet, and was issued the Baltimore altimeter.

1403 N959MJ was transferred to the BELAY controller, checked on at 9,000 feet, and issued the Baltimore altimeter.

1413 N959MJ was instructed to cross 25 miles west of MODENA at 5,000 feet.

1415 N959MJ was instructed to contact Philadelphia Approach.

No More Follows

FAA Form 8020-6-1

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 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE November 01, 2019	REPORT NO. 19-003-N90
	NAME OF REPORTING FACILITY Philadelphia ATCT (PHL)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
October 29, 2019

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1416 N959MJ checks in with PHL approach, South Arrival sector (S) at 5000 feet. The controller issues the current altimeter and the pilot reads it back.

1427 PHL S controller switches N959MJ to the PHL Approach Yardley (Y) sector frequency and the pilot acknowledges the change. The pilot then checks in on the Y frequency at 5000 feet and the controller issues the current altimeter.

1432 The Yardley controller instructs N959MJ to descend to 4000 feet and the pilot reads it back and complies.

1437 The Yardley controller switches N959MJ to New York Approach.

No More Follows

FAA Form 8020-6-1
19-003-N90
N959MJ

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 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE November 05, 2019	REPORT NO. 19-003-N90
	NAME OF REPORTING FACILITY New York TRACON (N90)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
October 29, 2019

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1438 N959MJ reports on New York TRACON Newark Area Yardley Position (408). 408 issues local altimeter setting. N959MJ acknowledges.

1439 408 advises N959MJ conditions are currently IFR and asks if they know the cancelation procedures when they breakout. N959MJ replies they do and 408 reiterates the sequence to follow. N959MJ states they will cancel IFR as soon as they have the airport in sight. 408 acknowledges and instructs N959MJ to proceed direct to Linden Airport (LDJ) and expect lower altitude shortly. N959MJ acknowledges.

1440 408 asks N959MJ if they have the LDJ AWOS, N959MJ advises they are getting it now. 408 issues the LDJ altimeter setting. N959MJ acknowledges. 408 instructs N959MJ to proceed to the WARRD intersection. N959MJ acknowledges.

1442 408 instructs N959MJ to descend and maintain 2,000 feet. N959MJ acknowledges.

1445 408 instructs N959MJ to commence the approach at WARRD and advise when they wish to cancel their IFR. N959MJ acknowledges.

1447 408 instructs N959MJ to turn left direct to DAPVY. N959MJ acknowledges.

1449 408 relays a pilot report to N959MJ that bases are reported to be at 500 feet. N959MJ acknowledges.

1450 N959MJ reports the LDJ AWOS is reporting ceilings at 800 feet. 408 advises the report of 500 feet is from a pilot inbound to Newark (EWR). N959MJ acknowledges.

1451 408 reports ATIS November is now current at EWR. 408 advises N959MJ is 3 miles from DAPVY, cross DAPVY at 2,000 feet and clears N959MJ for the LDJ VOR-A Approach. N959MJ acknowledges. 408 corrects instructions to the GPS-A Approach. N959MJ acknowledges.

1456 408 asks N959MJ their flight conditions. N959MJ replies they are still IFR.

1458 408 asks N959MJ their flight conditions. 408 instructs N959MJ to check their altitude immediately. 408 broadcasts for N959MJ. 408 gets no reply. 408 again broadcasts for N959MJ, with no reply.

FAA Form 8020-6-1

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 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE November 05, 2019	REPORT NO. 19-003-N90
	NAME OF REPORTING FACILITY New York TRACON (N90)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

No More Follows

FAA Form 8020-6-1

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SECTION 3.
Review of Services Memoranda

19-003-N90
N959MJ



Federal Aviation Administration

Memorandum

Date: October 31, 2019

To: New York Terminal Radar Approach Control Facility
Aircraft Accident File 19-003-N90

Robert E. Kesler, Acting Manager, **ROBERT E
KESLER**

Digitally signed by
ROBERT E KESLER
Date: 2019.10.31
14:51:18 -04'00'

From: Potomac Consolidated Terminal Radar Approach Control Facility, PCT TRACON

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, N959MJ
Woodbridge Township, NJ, October 29, 2019

PCT TRACON conducted a review of services concerning N959MJ 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 of the original are on file in this office.

Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
Continuous Data Recording (CDR)
FAA Form 7230-10
FAA Form 7230-4
Facility Layout Chart(s)
STARS Radar Data
STARS Adaptation File
FALCON Bookmark

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Federal Aviation Administration

Memorandum

Date: November 14, 2019

To: New York Terminal Radar Approach Control Facility
Aircraft Accident File 19-003-N90
[REDACTED]
John Reagan, Acting Manager,

From: Philadelphia Airport Traffic Control Tower, PHL ATCT

Subject: **INFORMATION**: Review Of Services Memo
Aircraft Accident, N959MJ
Woodbridge Township, NJ, October 29, 2019

PHL ATCT conducted a review of services concerning N959MJ 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 of the original are on file in this office.

Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
FAA Form 7230-10
FAA Form 7230-4
FAA Form 8020-6-1
Facility Layout Chart(s)
Flight Progress Strip(s)
STARS Playback Workstation File
STARS Adaptation File

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Federal Aviation Administration

Memorandum

Date: October 31, 2019

To: New York Terminal Radar Approach Control Facility
Aircraft Accident File 19-003-N90

Johnny Edwards, Manager,

JOHNNY
EDWARDS

Digitally signed by
JOHNNY EDWARDS
Date: 2019.11.06
09:25:29 -05'00'

From: New York Terminal Radar Approach Control Facility, N90 TRACON

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, N959MJ
Woodbridge Township, NJ, October 29, 2019

N90 TRACON conducted a review of services concerning N959MJ 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 of the original are on file in this office.

Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
FAA Form 7230-10
FAA Form 7230-4
FAA Form 8020-3
FAA Form 8020-6
FAA Form 8020-6-1
FAA Form 8020-9
Facility Layout Chart(s)
Flight Progress Strip(s)
Mandatory Occurrence Report
Personnel Log(s)
Weather Data
Covered Event Review
STARS Adaptation File
STARS Radar Data

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N959MJ

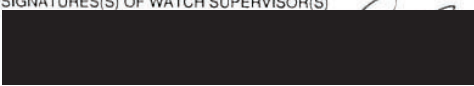
SECTION 4.
FAA Form(s) 7230-4, Daily Record of Facility Operation

19-003-N90
N959MJ

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 2
				DATE Oct 29, 2019
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY
Westbury, NY	N90	TRACON	ALL	AIR TRAFFIC MANAGER Johnny Edwards
UTC TIME	REMARKS			
0400	P. GOODWIN ON. CFPL: HPN ASR CH B OTS, HTO VOR OTS. LGA CLSD TO FIXED WING ACFT EWR ILS 4R DEP 4L JFK ILS 4R ILS 4L DEP 4L (WND, RWY CLOSURES). -- PG			
0422	WCLC. -- PG			
0920	ALAIN DALOMBA ON DUTY; ABV NOTED. -- AD			
1000	NY METRO AIRPORT CONFIG: LGA ILS RY 4 DEP RY 13 WC/CC; JFK ILS RY 4R/L DEP RY 4L; EWR ILS RY 4R DEP RY 4L. -- AD			
1100	JFK TDWR ON ENGINE GENERATOR -- AD			
1115	SPO DISTRIBUTED AND BRIEFED TO ALL AREAS. -- AD			
1346	WCLC. -- AD			
M 1407	N90-M-2019/10/29-0002 -- UPS9705 -- AD			
M 1414	N90-M-2019/10/29-0003 -- JBU795 -- AD			
1440	J. BROOKS ONW. ABOVE ENTRIES REVIEWED. -- BR			
1510	N959MJ C414 IFR INBOUND TO LDJ ON VOR A APPROACH CRASHED AT 80 BERKLEY AVE WOODBRIDGE NJ. 1 PERSON ON BOARD ACCORDING TO ORIGINATING AIRPORT JYO AND INFORMATION THE DOMESTIC EVENT NETWORK WAS ABLE TO RESEARCH. THE ACCIDENT WAS CONFIRMED BY WOODBRIDGE POLICE 732-634-7700. ACN. -- BR			
M 1515	N90-M-2019/10/29-0004 -- JBU53 -- BR			
1636	N90 AT SATELLITE PHONE TEST COMPLETED -- BR			
M 1650	N90-M-2019/10/29-0005 -- N8302A -- BR			
1703	J. FIGUEROA ONW. ABV ENTRIES REVIEWED. -- FG			
1708	N90 PORTABLE SATELLITE PHONE TEST COMPLETE. -- FG			
1709	WEATHER MONITORS UPDATED. -- FG			
1905	SPO DISTRIBUTED AND BRIEFED TO ALL AREAS. -- BR			
1920	WCLC. -- BR			
2048	S. SFAMENI ON ABOVE NOTED. -- SI			
0004	ARTS CLOCK COMPARISON WITH DALR CLOCK CMPLT. -- SI			
0220	ALAIN DALOMBA (AD) ON DUTY; ABV NOTED. -- AD			
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) 		

FAA Form 7230-4

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N959MJ

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 2 of 2
				DATE Oct 29, 2019
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY
Westbury, NY	N90	TRACON	ALL	AIR TRAFFIC MANAGER Johnny Edwards
UTC TIME	REMARKS			
0300	NY METRO AIRPORT CONFIG: LGA ILS RY 4 DEP RY 13 WHITESTONE CLIMB FOR NOISE ABATEMENT; JFK ILS RY 4R/L DEP RY 4L; EWR ILS RY 4R DEP RY 4L. -- AD			
0354	WCLC. -- AD			
0358	COB. -- AD			
0359 <i>ed</i>				
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) 		

FAA Form 7230-4

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SECTION 5.
Personnel Log(s)

19-003-N90
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PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AEA		N90		EWR			MONTH: OCT	DAY: 29	YEAR: 2019	
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES			
BURKE, NEIL (NE) 05:30 - 13:30	R 94	05:30 13:30	13:30 15:30	10+00			09+38	00+00				
FISK, ALLEN (FK) 05:30 - 15:30	R	05:30	15:30	10+00			09+24	00+00				
KUTSCH, TRACY (DD) 05:30 - 13:30	R 94	05:30 13:30	13:30 15:30	10+00			00+06	03+56				
MARTINEZ, RYAN (RL) 05:30 - 15:30	R	05:30	15:30	10+00			01+41	03+47				
MOORE, JACOB (NC) 05:30 - 15:30	R	05:30	15:30	10+00			03+27	03+10				
PRYOR, ROBERT (BP) 05:30 - 13:30	R	05:30	13:30	08+00			00+00	03+39				
SAYLORS, GARY (GC) 05:30 - 13:30	R 94	05:30 13:30	13:30 15:30	10+00			01+26	06+21				
BROWNE, DEVON (DE) 05:40 - 15:40	R	05:40	15:40	10+00			00+36	02+58				
BOCELLI, DOMINICK (BB) 08:30 - 16:30	8 R	06:30 08:30	08:30 16:30	10+00			08+08	01+02				
DRAKE, RYAN (HK) 06:30 - 14:30	R	06:30	14:30	08+00			05+42	00+12				
FILOSA, JOHN (JF) 06:30 - 14:30	R	06:30	14:30	08+00			08+00	00+00				
GARCIA, EDWARD (EG) 06:30 - 14:30	R	06:30	14:30	08+00			08+00	00+00				
PENTHEROS, MELISSA (LL) 06:30 - 14:30	R	06:30	14:30	08+00			07+59	00+00				
SAVELLA, MICHAEL (MY) 06:30 - 14:30	R 94	06:30 14:30	14:30 16:30	10+00			00+46	04+36				
REUMANN, ERIC (RV) 06:38 - 14:38	R 94	06:38 14:38	14:38 16:38	10+00			00+02	04+14				
LAKHARAM, SUNIL (EZ) 06:40 - 14:40	R 94	06:40 14:40	14:40 16:40	10+00			07+30	01+17				
STRANSKY, JAMES (XS) 06:40 - 14:40	R 94	06:40 14:40	14:40 16:40	10+00			07+29	01+05				
KIM, ALEXANDER (LK) 06:55 - 14:55	R	06:55	14:55	08+00			08+00	00+00				
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS		

THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT
(Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)

Form 7230-4 (Dec 08)

Official Version

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

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N959MJ

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PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		AEA		N90		EWR			MONTH: OCT	DAY: 29	YEAR: 2019
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES		
DESKINS, RAYMOND (RD) 07:00 - 15:00	R	07:00	08:30	01+30	06+30	Leave	01+29	00+00			
MARINO, GAETANO (GM) 11:00 - 19:00	8	09:00	11:00	10+00			00+36	04+55			
	R	11:00	19:00								
HAMILTON, CHABLIS (CP) 09:30 - 19:30	R	09:30	19:30	10+00			03+49	01+25			
STEWART, JONATHAN (JJ) 10:10 - 18:10	R	10:10	18:10	10+00			00+45	04+22			
	94	18:10	20:10								
LEHUQUET, BLAKE (LE) 11:00 - 19:00	9	10:27	11:00	04+03	04+30	Leave	00+54	01+22			
	R	11:00	14:30								
REYES, CYNTHYA (LG) 10:30 - 18:30	R	10:30	18:30	08+00			04+27	01+01			
HOLSEY, KEVIN (HO) 12:31 - 20:31	8	10:31	12:31	10+00			00+43	05+14			
	R	12:31	20:31								
TIRADO, WILLIAM (TR) 12:42 - 20:42	8	10:42	12:42	05+18	04+42	Leave	03+29	00+13			
	R	12:42	16:00								
ZAVALA, GONZALO (GZ) 11:40 - 19:40	R	11:40	19:40	10+00			00+09	04+57			
	94	19:40	21:40								
KLESS, ANDREE (AK) 12:00 - 20:00	R	12:00	20:00	08+00			02+26	02+54			
RIVERA, EDGAR (GR) 12:06 - 22:06	R	12:06	22:06	10+00			03+02	02+41			
ANDERSON, ANDRE (AP) 12:30 - 22:30	R	12:30	22:30	10+00			01+19	03+46			
RATTO, MATTHEW (RT) 14:30 - 22:30	8	12:30	14:30	10+00			01+08	04+55			
	R	14:30	22:30								
CHEN, YAN (YC) 12:37 - 22:37	R	12:37	22:37	10+00			01+07	04+46			
LEONARD, JOSEPH (LD) 14:40 - 22:40	8	12:40	14:40	10+00			01+09	05+38			
	R	14:40	22:40								
SONSTROEM, SCOTT (SO) 12:51 - 22:51	R	12:51	22:51	10+00			01+42	03+00			
PRUSAK, EDWARD (PK) 14:53 - 22:53	8	12:53	14:53	10+00			06+06	02+00			
	R	14:53	22:53								
BLANCHARD, AMANDA (AB) 15:00 - 23:00	8	13:00	15:00	10+00			00+29	04+50			
	R	15:00	23:00								
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	

THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT
(Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)

Form 7230-4 (Dec 08)

Official Version

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

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PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AEA		N90		EWR			MONTH: OCT	DAY: 29	YEAR: 2019	
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES			
LEFTWICH, TYRIN (TY) 14:30 - 22:30	8 R	13:22 14:30	14:30 22:30	09+08			00+53	04+07				
BOYETTE, TIMOTHY (DC) 13:45 - 21:45	R	13:45	21:45	08+00			01+20	02+36				
RAMOS, SAMUEL (SR) 16:00 - 00:00	8 R	14:05 16:00	16:00 00:00	09+55			01+15	04+57				
FINNERAN, LARISSA (LO) 14:30 - 22:30	R	14:30	22:30	08+00			00+18	03+40				
KURTIN, MARGARET (MW) 14:38 - 22:38	R	14:38	22:38	08+00			01+20	03+18				
HUNTER, JAMES (JH) 06:00 - 14:00					08+00	Leave	00+00	00+00				
PRESSER, JOSHUA (JO) 07:00 - 15:00					08+00	Leave	00+00	00+00				
NOVAKOWSKI, JOSEPH (NN) 07:00 - 15:00					08+00	Leave	00+00	00+00				
WALKER, JEFFREY (JW) 07:00 - 15:00					08+00	Leave	00+00	00+00				
YANIV, ELDAD (EY) 13:00 - 21:00					08+00	Leave	00+00	00+00				
BROTHERS, KEVIN (KV) 13:00 - 23:00					10+00	Leave	00+00	00+00				
KRISTOF, TROY (TK) 15:00 - 23:00					08+00	Leave	00+00	00+00				
WILLIAMS, DANIELLE (DI) 15:00 - 23:00					08+00	Leave	00+00	00+00				
NEILAN, SEAN (NV) RDO		05:30	13:30	08+00			00+28	04+11				
WAGNER, DAVID (RW) RDO	94	06:15 14:15	14:15 16:00	09+45			00+02	04+29				
ORFANAKIS, MICHAEL (MN) RDO		06:30	14:30	08+00			02+18	02+59				
COSTA, STEVE (SC) RDO	94	13:45 21:45	21:45 23:45	10+00			01+03	05+05				
CLARK, ASHLEY (AC) RDO	94	14:00 22:00	22:00 00:00	10+00			02+03	04+32				
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS		
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)												

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		AEA		N90		EWR			MONTH: OCT	DAY: 29	YEAR: 2019
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES		
NILES, PAUL (NS) NAS											
FACTOR, JOSHUA (ZF) RDO											
FARLEY, ROBERT (RF) RDO											
GAPIDO, JOANA MILANIE (JY) RDO											
HAQ, SHEIKH (MX) RDO											
JONES, TODD (KY) RDO											
REASOR, RYAN (RS) RDO											
STEPHENS, DREW (VN) RDO											
SZENDREY, MICHAEL (SZ) RDO											
VERCELLOTTI, NICHOLAS (VE) RDO											
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	
THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT (Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)											

Form 7230-4 (Dec 08)

Official Version

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

SECTION 6.

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

19-003-N90
N959MJ

POSITION LOG					
Fac ID: N90		Log Date: 10/29/2019			
Pos ID: 408		Pos Type: AR			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400	RF	0424	C		
0425	NS	0617	C		
0618	RF	0929	C		
0930	DD	1000	C		
1001	NV	1030	C		
1031	MY	1101	C		
1102	DD	1144	C		
1145	RW	1235	C		
1236	BP	1325	C		
1326	RW	1417	C		
1418	JT	1448	C		
1449	TR	1500	C		
1501	GM	1545	C		
1546	GZ	1629	C		
1630	RT	1713	C		
1714	RW	1754	C		
1755	SC	1836	C		
1837	LO	1859	C		
1900	MY	1936	C		
1937	AC	1953	C		
FAA Form 7230-10 (Electronic)					

POSITION LOG					
Fac ID: N90		Log Date: 10/29/2019			
Pos ID: 408		Pos Type: AR			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1954	GZ	2101	C		
2102	MW	2117	C		
2118	LO	2201	C		
2202	GM	2211	C		
2212	HO	2342	C		
2343	SR	0043	C		
0044	AB	0138	C		
0139	LD	0154	S		
0155	AC	0159	C		
0200	AC	0209	C		
0210	AC	0234	C		
0235	NS	0359	C		

19-003-N90
N959MJ

POSITION LOG						
Fac ID: N90		Log Date: 10/29/2019				
Pos ID: 400		Pos Type: SI				
TIME ON	Initials	TIME OFF	Code	Where Combined To:		
				Pos ID	Pos Type	
0400	RF	0429	C			
0430		0614		Closed		
0615	RF	0929	C			
0930	GC	1156	S			
1157	MN	1238	C			
1239	GC	1336	S			
1337	NV	1426	C			
1427	GC	1654	S			
1655	PK	1719	C			
1720	GZ	1821	C			
1822	GC	1850	S			
1851	CE	2206	S			
2207	GZ	2259	C			
2300	CE	0108	S			
0109	RT	0137	C			
0138	CE	0156	S			
0157		0209		404	FR	
0210	AC	0246	C			
0247	BP	0359	C			

FAA Form 7230-10 (Electronic)

[illegible]

Attachment 3 - Aircraft Accident Package

POSITION LOG

Fac ID:	N90	Log Date:	10/29/2019
Pos ID:	406	Pos Type:	AR

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400	NS	0415	C		
0416		0934		408	AR
0935	BP	1017	C		
1018	RW	1047	C		
1048	RV	1129	C		
1130	NV	1230	C		
1231	RV	1301	C		
1302	GM	1356	C		
1357	RV	1436	C		
1437	HO	1530	C		
1531	NV	1639	C		
1640	LD	1726	S		
1727	RV	1747	C		
1748	XS	1810	S		
1811	EZ	1836	C		
1837	XS	1839	S		
1840	XS	1919	S		
1920	EZ	2012	C		
2013	SC	2034	C		
2035	AB	2130	C		

POSITION LOG

Fac ID: N90
Pos ID: 406
Log Date: 10/29/2019
Pos Type: AR

[illegible]

FAA Form 7230-10 (Electronic)

FAA Form 7230-10 (Electronic)

[illegible]

ERA20FA020

POSITION LOG						
Fac ID: N90		Log Date: 10/29/2019				
Pos ID: 412A		Pos Type: AR				
TIME ON	Initials	TIME OFF	Code	Where Combined To:		
				Pos ID	Pos Type	
0400		1504		408	AR	
1505	MY	1615	C			
1616	DD	1711	C			
1712	AB	1802	C			
1803	RT	1829	C			
1830	RT	1839	C			
1840	RV	1942	C			
1943	SR	1959	C			
2000	SR	2038	C			
2039	TY	2131	C			
2132	SR	2234	C			
2235	AB	2350	C			
2351	GZ	0100	C			
0101	LD	0138	S			
0139		0359		408	AR	

FAA Form 7230-10 (Electronic)

[illegible]

Attachment 3 - Aircraft Accident Package

[illegible]

Attachment 3 - Aircraft Accident Package

POSITION LOG					
Fac ID: N90		Log Date: 10/29/2019			
Pos ID: 417 I		Pos Type: C I			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		1540		418E	DR
1541	JJ	1548	C		
1549	MN	1634	C		
1635		1729		418E	DR
1730	TY	1804	C		
1805	HO	1815	C		
1816		1822		418E	DR
1823	SR	1856	C		
1857	AB	1859	C		
1900	AB	1946	C		
1947	LO	2038	C		
2039		2143		418E	DR
2144	GM	2201	C		
2202		0359		418E	DR

FAA Form 7230-10 (Electronic)

ERA20FA020

POSITION LOG

Fac ID: N90 Log Date: 10/29/2019

Pos ID:	418E	Pos Type:	DR
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TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		1030		406	AR
1031	MN	1113	C		
1114	BP	1149	C		
1150	MY	1240	C		
1241	DD	1319	C		
1320	NV	1334	C		
1335	MN	1422	C		
1423	BP	1523	C		
1524	RV	1621	C		
1622	HO	1630	C		
1631	HO	1711	C		
1712	JJ	1721	C		
1722	AK	1803	T		
1722	MY	1803	C		
1804	AC	1842	C		
1843	RW	1918	C		
1919	TY	1953	C		
1954	AC	2035	C		
1954	AK	2035	T		
2036	JJ	2133	C		

POSITION LOG

Fac ID: N90
Log Date: 10/29/2019

Pos ID: 418E Pos Type: DR

[illegible]

FAA Form 7230-10 (Electronic)

FAA Form 7230-10 (Electronic)

[illegible]

Attachment 3 - Aircraft Accident Package

[illegible]

Attachment 3 - Aircraft Accident Package

POSITION LOG						
Fac ID: N90		Log Date: 10/29/2019				
Pos ID: 423		Pos Type: CI				
TIME ON	Initials	TIME OFF	Code	Where Combined To:		
				Pos ID	Pos Type	
0400		0934		400	SI	
0935	NV	1000	C			
1001		1714		400	SI	
1715	PK	1719	C			
1720	PK	1749	C			
1750		1811		400	SI	
1812	GM	1857	C			
1858	JJ	1952	C			
1953	CE	2206	S			
2207	CE	2207	S			
2208		2259		400	SI	
2300	CE	0108	S			
0109	RT	0137	C			
0138	CE	0143	S			
0144		0359		400	SI	

FAA Form 7230-10 (Electronic)

POSITION LOG						
Fac ID: N90		Log Date: 10/29/2019				
Pos ID: 425		Pos Type: DI				
TIME ON	Initials	TIME OFF	Code	Where Combined To:		
				Pos ID	Pos Type	
0400		0929		408	AR	
0930	RL	1030	C			
1031	DE	1129	C			
1130	NC	1229	C			
1230	DE	1401	C			
1402	NC	1448	C			
1449	GM	1459	C			
1449	HK	1500	T			
1500	GM	1500	C			
1501	LE	1521	C			
1522	DE	1527	C			
1528	CP	1625	C			
1626	GR	1629	C			
1630	AP	1729	C			
1730	SO	1821	C			
1822	DE	1831	C			
1832	YC	1852	C			
1853	DC	1957	T			
1853	MW	1957	C			
1958	GM	2058	C			
FAA Form 7230-10 (Electronic)						

POSITION LOG					
Fac ID: N90		Log Date: 10/29/2019			
Pos ID: 425		Pos Type: DI			
TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
1958	LG	2058	T		
2059	AP	2117	C		
2118	DC	2204	T		
2118	MW	2204	C		
2205	SO	2209	C		
2210	GR	2320	C		
2321	YC	2328	C		
2329	DC	0012	T		
2329	MW	0012	C		
0013	SO	0025	C		
0026	AP	0128	C		
0129	SO	0245	C		
0246		0359		408	AR

19-003-N90
N959MJ

POSITION LOG

Fac ID:	N90	Log Date:	10/29/2019
Pos ID:	427	Pos Type:	DI

TIME ON	Initials	TIME OFF	Code	Where Combined To:	
				Pos ID	Pos Type
0400		0929		425	DI
0930	NC	1052	C		
1053		1130		425	DI
1131	RL	1229	C		
1230		1401		425	DI
1402	RL	1450	C		
1451	LE	1459	C		
1500		1527		425	DI
1528	RL	1625	C		
1626	DE	1636	C		
1637	YC	1729	C		
1730	TR	1730	C		
1731	LE	1822	C		
1823	GR	1836	C		
1837	AP	1929	C		
1930	SO	2002	C		
2003	CP	2029	C		
2030	YC	2256	C		
2257	AP	2327	C		
2328	GR	0031	C		

POSITION LOG

Fac ID: N90
Pos ID: 427
Log Date: 10/29/2019
Pos Type: DI

[illegible]

FAA Form 7230-10 (Electronic)

FAA Form 7230-10 (Electronic)

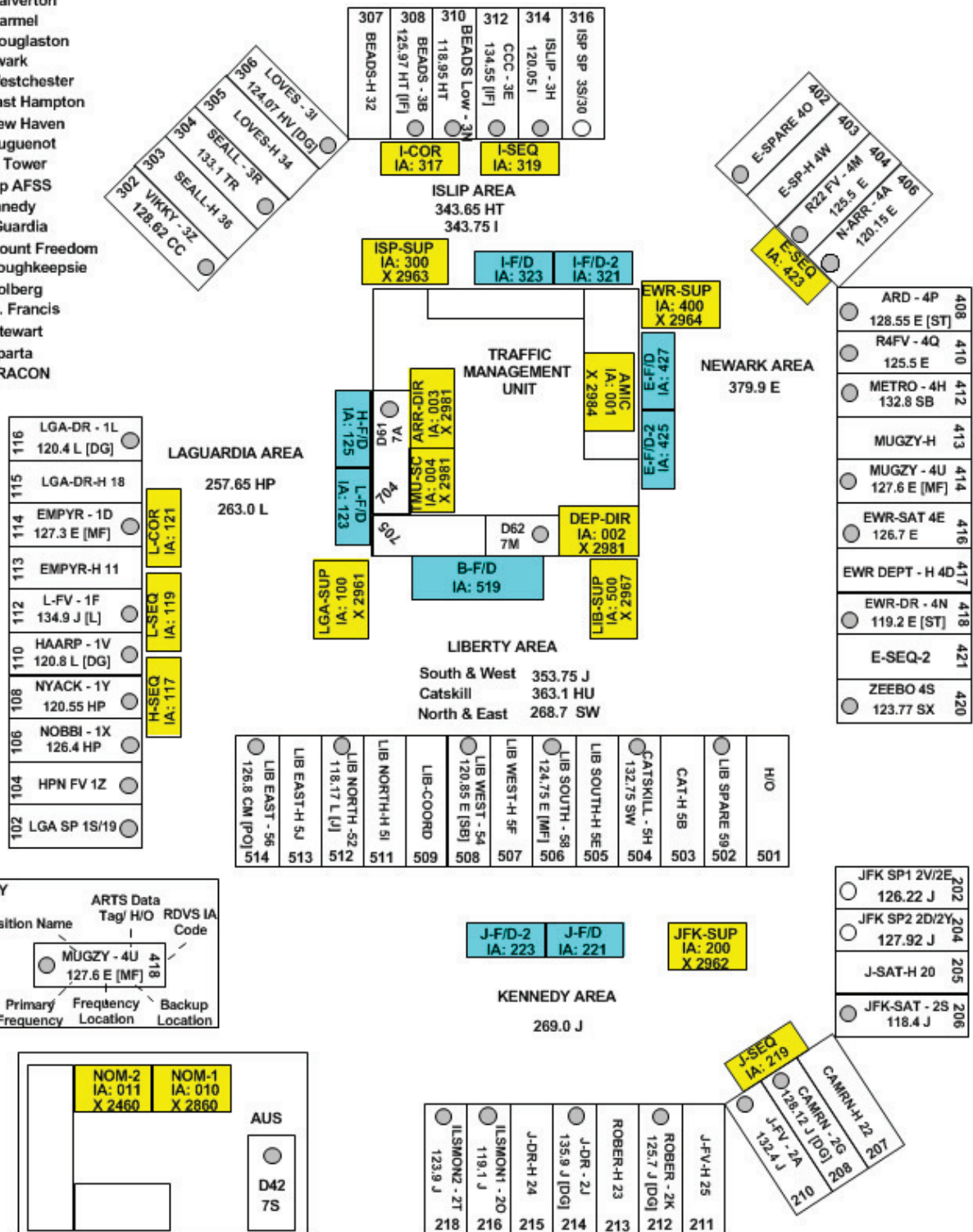
SECTION 7.
Facility Layout Chart(s)

19-003-N90
N959MJ

1-2-6. OPERATIONAL FLOOR LAYOUT

BACK-UP FREQUENCY LOCATIONS

CC Calverton
 CM Carmel
 DG Douglaston
 E Newark
 HP Westchester
 HT East Hampton
 HV New Haven
 HU Huguenot
 I Islip Tower
 IF Islip AFSS
 J Kennedy
 L LaGuardia
 MF Mount Freedom
 PO Poughkeepsie
 SB Solberg
 ST St. Francis
 SW Stewart
 SX Sparta
 TR TRACON



SECTION 8.
Flight Progress Strip(s) and/or In-Flight Contact Record(s)

19-003-N90
N959MJ

Flight Progress Strip(s)

FPS New York TRACON October 29, 2019 UTC

N959MJ F/C414/G 912	3614	A1426	IFR				
	LRP 178	023	KLDJ				
	MXE						✓

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SECTION 9.

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

19-003-N90
N959MJ



FACILITY ACCIDENT/INCIDENT NOTIFICATION RECORD

Aircraft Identification

N959MJ

Date

10/29/2019

Airport

Linden Airport,
(LDJ) Linden, NJ

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

	Phone No.	Time	Initials	
			Caller	Recipient
Airport Emergency Equipment Linden Fire Department				
Additional Emergency Equipment Linden Police Department		1500z	BR	
Search and Rescue ZNY ARTCC Watch Supervisor				
*Washington Operations Center (WOC) Notify WOC only if unable to contact ROC	Fax:			
Region Operations Center (ROC)	Fax:	1509z	BR	
Domestic Events Network (DEN)		1510z	BR	
Air Traffic Manager				
Flight Standards District Office (FSDO)	VIA ROC			
System Safety Investigations	VIA ROC			
National Transportation Safety Board (NTSB)	VIA ROC			
System Maintenance Organization Manager NOM Desk				
Law Enforcement NJ Bureau of Aeronautics NJ State Police				
National Weather Service (NWS) Mt Holly, NJ Brookhaven, NY		1515z	BR	
Military Authority				
Airport Authority Paul Dudley				
Aircraft Operator				
Operational Control Center (OCC) AOCC				
N90 Manager Johnny Edwards (ATM)		1505z	AD	
N90 Manager John Lucia (DATM)				
N90 Manager Scott Moore (SMQC)				
WOODBIDGE POLICE		1500z	BR	
TECH OPS		1515z	BR	
Aeromedical Research Division, AAM-600 Fax 8020-9	VIA ROC			
USAF RCC, Tyndall AFB Fax 8020-9	VIA ROC			
El Paso, TX, Intelligence Center (EPIC) Fax 8020-9	VIA ROC			

Form Updated by (Name, Title, Facility): R. Olsen, QCS, N90

Date: August 8, 2019

*Accidents requiring telephone notification to Washington shall be made immediately following notification for emergency equipment and/or search and rescue.

FAA Form 8020-3 (12-10) Supersedes Previous Edition

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SECTION 10.
Weather Products

19-003-N90
N959MJ

Weather Products

Surface Observations

SPECI KEWR 291405Z 07005KT 9SM BKN011 OVC020 14/12 A3030 RMK AO2 T01390122 S
SPECI KEWR 291407Z 07004KT 9SM BKN008 OVC018 14/13 A3030 RMK AO2 T01440128 S
METAR KEWR 291451Z 07007KT 4SM -DZ BR BKN008 BKN018 OVC023 14/12 A3031 RMK AO2 DZB51 SLP262 P0000
60000 T01440122 51006 S
SPECI KEWR 291535Z VRB05KT 2SM -DZ BR BKN007 OVC014 14/13 A3031 RMK AO2 CIG 005V009 P0000 T01440128 S

METAR KLDJ 291335Z 00000KT 10SM OVC007 14/12 A3031 RMK AO2 T01360121
METAR KLDJ 291355Z AUTO 00000KT 7SM OVC007 14/12 A3030 RMK AO2 T01370120=
METAR KLDJ 291455Z AUTO 00000KT 10SM OVC007 14/12 A3031 RMK AO2 T01410123=
METAR KLDJ 291515Z 00000KT 2SM BR OVC007 14/13 A3031 RMK AO2 T01420128

Pilot Reports

EWR UA /OV BWZ090/008/TM 1535/FL060/TP B78X/WV 238/018/TBSMOOTH/ RM ON TOP =
EWR UA /OV BWZ120/003/TM 1452/FL060/TP E145/TA 10/WV226/018/TB SMOOTH/RM ON TOP =
EWR UA /OV RY 4R FINAL/TM 1448/FL005/TP A320/SK 005 OVC
JFK UA /OV JFK100004/TM 1438/FLDURC/TP B737/SK OVC/RM BASES 007// TOPS 050 =
EWR UA /OV 5 N BWZ VOR/TM 1415/FL7000/TP B738/TA +10/WV 229@16/TB SMOOTH/RM ON TOP =

Newark Terminal Forecasts

625
FTUS41 KOKX 291139
TAFEWR
TAF
KEWR 291139Z 2912/3018 06007KT P6SM SCT008 SCT012 OVC030
TEMPO 2912/2915 5SM -DZ BR SCT008 BKN012
FM291600 07009KT P6SM SCT012 OVC030
FM292300 05005KT 5SM -DZ BR SCT012 OVC020
FM300500 03003KT 2SM -DZ BR OVC008
FM301400 07006KT 6SM BR SCT008 OVC020=

594
FTUS41 KOKX 291346 AAA
TAFEWR
TAF AMD
KEWR 291346Z 2914/3018 06008KT 6SM -DZ OVC008
TEMPO 2917/2921 6SM -DZ BR SCT008 BKN015
FM300000 05005KT 5SM -DZ BR OVC008
FM300500 03003KT 2SM -DZ BR OVC007
FM301400 07006KT 6SM BR SCT008 OVC020=

AIRMETS

WAUS41 KPCI 291445

WAIS

-BOSS WA 291445

AIRMET SIERRA UPDT 2 FOR IFR AND MTN OBSCN VALID UNTIL 292100

AIRMET IFR...ME NH VT MA RI CT NY NJ PA WV MD DE VA NC SC AND
CSTL WTRS

FROM 80NW PQI TO 60NE PQI TO 60WSW YSJ TO 50ENE ENE TO 20S HTO
TO 30SSW SBY TO FLO TO 30SE SPA TO 40SE ODF TO HMY TO 70W YSC TO
YSC TO 80NW PQI

CIG BLW 010/VIS BLW 3SM BR/FG. CONDS CONTG BYD 21Z THRU 03Z.

AIRMET MTN OBSCN...ME NH VT MA NY PA WV MD VA

FROM 50N PQI TO MLT TO CON TO ALB TO HAR TO 30N GSO TO HMY TO
20WSW EKN TO JST TO 40ESE JHW TO MSS TO YSC TO 70NW PQI TO 50N PQI
MTNS OBSC BY CLDS/BR. CONDS CONTG BYD 21Z THRU 03Z.

OTLK VALID 2100-0300Z...IFR ME NH VT MA RI CT NY NJ PA MD DE AND CSTL WTRS

BOUNDED BY 70NW PQI-30NNE PQI-30SE PQI-60SSE HUL-70SE HTO-80SE
SIE-40SW ETX-60SW HNK-20W YSC-70NW PQI

CIG BLW 010/VIS BLW 3SM BR/FG. CONDS CONTG THRU 03Z.

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WAUS41 KPCI 291445

WAIT

-BOST WA 291445

AIRMET TANGO UPDT 2 FOR TURB AND LLWS VALID UNTIL 292100

AIRMET TURB...NY LO PA OH LE WV

FROM 50NW SYR TO 20WSW PSB TO 20NW EKN TO HNN TO CVG TO FWA TO
20ENE DXO TO 20WSW BUF TO 20E YYZ TO 50NW SYR

MOD TURB BTN 050 AND 140. CONDS CONTG BYD 21Z THRU 03Z.

AIRMET TURB...ME NH VT MA RI CT NY LO NJ PA OH LE WV MD DE VA AND CSTL WTRS

FROM 30SE YSC TO 110SE BGR TO 110SE ACK TO 20E EMI TO 20N HMY TO
HNN TO CVG TO 30SE FWA TO 40W ERI TO 20NNW BUF TO 30SE YOW TO
30SE YSC

MOD TURB BTN FL280 AND FL410. CONDS CONTG BYD 21Z THRU 03Z.

LLWS POTENTIAL...ME NH VT MA NY AND CSTL WTRS

BOUNDED BY 40ESE YSC-20SSW ENE-20WNW BDL-40W ALB-MSS-40ESE YSC
LLWS EXP. CONDS ENDG 15-18Z.

OTLK VALID 2100-0300Z

19-003-N90

N959MJ

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AREA 1...TURB NY LO PA OH LE WV MD

BOUNDED BY 70SSW YOW-50E SLT-EKN-40W BKW-HNN-CVG-FWA-40S ECK-
20SSE DXO-20SW BUF-30ESE YYZ-70SSW YOW
MOD TURB BTN 050 AND 140. CONDS CONTG THRU 03Z.

AREA 2...TURB ME NH VT MA RI CT NY LO NJ PA OH LE WV MD DC DE VA NC SC GA AND CSTL WTRS

BOUNDED BY 30SE YSC-140SSE BGR-110SE ACK-90SSW ACK-20S ORF-20E
SPA-40SSE ATL-40SSE LGC-GQO-HMV-HNN-CVG-40SSE FWA-ERI-30ESE YYZ-
30SE YOW-30SE YSC
MOD TURB BTN FL280 AND FL410. CONDS CONTG THRU 03Z.

I certify the attached copies of METARs, TAFs, AIRMETs and PIREPs originated from FAA authorized sites, NOAA and AISR on October 29, 2019 and are an accurate copy of the originals.



Robert Olsen
Quality Control Specialist
New York TRACON

19-003-N90
N959MJ

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SECTION 11.
Other

19-003-N90
N959MJ

UTC (Zulu) Time Conversion Chart

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

The time *0000 and 2400 are interchangeable. The time 2400 is associated with the date of the day ending, and 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)

19-003-N90

N959MJ