

Factual Report – Attachment 2

ATC Accident Package

AIR TRAFFIC CONTROL

CEN18FA371

Aircraft Accident Package

18-004-Z0B

CGLKX, C340

September 06, 2018, 0348 UTC

Destroy: March 06, 2021 UTC

SECTION 1.
Table of Contents

TABLE OF CONTENTS

SECTION 1.	Table of Contents
SECTION 2.	FAA Form 8020-6, Report of Aircraft Accident, and FAA Form 8020-6-1, Report of Aircraft Accident, (Continuation Sheet)
SECTION 3.	Review of Services Memo(s)
SECTION 4.	FAA Form(s) 7230-4, Daily Record of Facility Operation
SECTION 5.	Personnel Log(s)
SECTION 6.	FAA Form(s) 7230-10, Position Log, or automated equivalent
SECTION 7.	Facility Layout Chart(s)
SECTION 8.	Airport Diagram
SECTION 9.	Transcription of Voice Recording(s)
SECTION 10.	FAA Form(s) 8020-3, Facility Accident/Incident Notification Record
SECTION 11.	Weather Products
SECTION 12.	NOTAMs
SECTION 13.	Other

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 OF AIRCRAFT ACCIDENT				REPORT DATE September 27, 2018		REPORT NO. 18-004-ZOB	
				NAME OF REPORTING FACILITY Cleveland ARTCC (ZOB)			
1. AIRCRAFT IDENTIFICATION AND TYPE CGLKX, C340		2. DATE/TIME OF ACCIDENT (UTC) September 6, 2018; 0348 UTC		3. LOCATION OF ACCIDENT: CITY, STATE (MAND) Port Huron, MI			
4. NATURE OF ACCIDENT Aircraft crashed after pilot reported engine failure.				LATITUDE/LONGITUDE (OPTL) N42 54 13.2917 W082 33 01.4102			
				5. TYPE OF FLIGHT IFR Flight Plan			
6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN
	Stephan Maisonneuve	Pilot	Ottawa, Ontario CA, NK			X	
7. PASSENGER DATA		NUMBER ABOARD AIRCRAFT 0	NUMBER UNINJURED 0	NUMBER INJURED 0	NUMBER FATALITIES 0		
8. AIRCRAFT DAMAGE Destroyed			9. PROPERTY DAMAGE None				
10. OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS Pilot reported runway lights inoperative.							
11. WEATHER DATA (USE UTC DATE/TIME)	REPORT JUST PRIOR TO ACCIDENT PORT HURON METAR - 0335 UTC: automated, wind calm, visibility one zero statute miles, rain, five thousand scattered, seven thousand scattered, ceiling one two thousand broken, temperature two one, dew point two zero, altimeter three zero one six						
	FIRST REPORT SUBSEQUENT TO ACCIDENT PORT HURON METAR - 0355 UTC: automated, wind calm, visibility seven statute miles, light rain, six thousand scattered, ceiling eight thousand five hundred broken, one zero thousand broken, temperature two one, dew point two zero, altimeter three zero one six						
12. ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION			CHECK IF EYEWITNESS	
	Peter Michael Merriman *(PR)	ZOB ARTCC	R12 R				
*OPERATING INITIALS							
13. SIGNATURE OF FACILITY MANAGER Mark Madden				MARK S MADDEN Digitally signed by MARK S MADDEN Date: 2018.10.03 14:42:11 -04'00'			

18-004-ZOB

CGLKX

Electronic Version

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE September 27, 2018	REPORT NO. 18-004-ZOB
	NAME OF REPORTING FACILITY Cleveland ARTCC (ZOB)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
September 06, 2018

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

0334 Toronto Centre (ZYZ) handed off CGLKX to Cleveland Center Flint Sector Radar Controller (R12) going to Port Huron (PHN), ten miles east of Sarnia at 4000 feet. R12 accepted radar contact. ZYZ informed R12 CGLKX was direct WIGUK for the RNAV Runway 22. R12 questioned RNAV 22, ZYZ confirmed.

0335 ZYZ informed R12 CGLKX could not reach them on 127.7. R12 instructed ZYZ to try 126.52. ZYZ acknowledged. CGLKX checked in with R12 at 4000 feet. R12 acknowledged and asked CGLKX if he was direct WIGUK, CGLKX confirmed. R12 instructed CGLKX to report passing WIGUK and asked to confirm they had the weather for PHN and to contact Flight Service for the NOTAM's. CGLKX confirmed he had the weather for PHN and questioned the NOTAM's and Flight Service. R12 confirmed Flight Service would give them the most current NOTAM's and to contact them if they didnt have them. CGLKX asked R12 for the frequency, R12 issued 122.2. CGLKX acknowledged.

0337 R12 instructed CGLKX to report passing WIGUK and informed that radar contact was lost. CGLKX informed R12 there was no response from Flight Service. R12 acknowledged and asked if CGLKX picked up the NOTAM's before they departed, CGLKX responded that there was nothing noticable (unintelligible).

0338 R12 informed CGLKX the only NOTAM was an out of service obstruction tower light 3.1 nautical miles northeast of PHN at 872 feet. CGLKX acknowledged.

0342 R12 asked CGLKX if he passed WIGUK, CGLKX responded (unintelligible) inbound for runway two two rnav (unintelligible). R12 instructed CGLKX to cross ZORIX at or above 2200, cleared RNAV runway 22 approach to PHN and to cancel on the ground with Flight Service or cancel in the air with him on 126.52, change of advisory frequency is approved. CGLKX confirmed 126.5 for cancellation (unintelligible).

0344 CGLKX informed R12 he lost his right engine. R12 asked if he would be able to make his landing at PHN. CGLKX said he would work on it.

0345 R12 informed Operation's Manager In Charge (OMIC) of CGLKX's situation. OMIC acknowledged.

0346 CGLKX informed R12 that he couldn't see the lights at the runway and that he attempted to turn them on. R12 informed CGLKX that the lights

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE September 27, 2018	REPORT NO. 18-004-ZOB
	NAME OF REPORTING FACILITY Cleveland ARTCC (ZOB)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

weren't a NOTAM item and that he's doesn't have control of them. CGLKX informed R12 he could not see the airport.

0347 CGLKX informed R12 he was right above the airport on one engine and was going to make a slow turn and try to reshoot the approach. R12 asked CGLKX if he saw the airport since he was right above it, CGLKX informed R12 there was nothing lit up.

0348 R12 informed CGLKX about a small private strip to the south of PHN about 7 miles away, no response.

0349 R12 called for CGLKX, no response.

0352 R12 called for CGLKX again, no response. R12 solicited help from UAL1611 to switch to 126.52 and transmit for CGLKX, UAL1611 attempted but was unsuccessful.

0400 R12 solicited help from Detroit Approach (DET) to have aircraft monitor for ELT but was unsuccessful.

0401 R12 reported negative ELT update to OMIC, OMIC acknowledged.

0406 R12 inquired with ZYZ about the last altitude they recall seeing CGLKX, ZYZ reported the last radar hit was 2700 feet and about a 2 mile final. R12 confirmed.

0416 R12 provided a position relief briefing and advised the relieving controller about CGLKX.

0438 R12 called DET and asked if they had information about CGLKX. DET had no knowledge and queried two aircraft for ELT reports. Both aircraft reported no ELT activity.

No More Follows

SECTION 3.
Review of Services Memo(s)



Federal Aviation Administration

Memorandum

Date: October 02, 2018

To: Cleveland Air Route Traffic Control Center Aircraft Accident File 18-004-ZOB

From: Mark Madden, Manager,
Cleveland Air Route Traffic Control Center, ZOB ARTCC

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, CGLKX
Port Huron, MI, September 06, 2018

MARK S
MADDEN

Digitally signed by MARK S MADDEN
Date: 2018.10.03 14:26:14 -0400

ZOB ARTCC conducted a review of services concerning CGLKX 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.

Airport Diagram
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
ERAM Local Adaptation File
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)
Input Output Log Report
Mandatory Occurrence Report
National Track Analysis Report
Personnel Log(s)
Playback Workstation File
Surveillance Track History Report
Transcription(s) of Voice Recording(s)
Weather Data
ERAM SAR Files
ERAM Radar Files
Covered Event Review

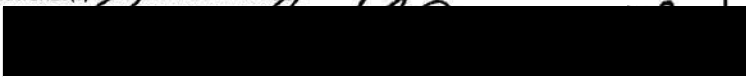
18-004-ZOB
CGLKX

SECTION 4.

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

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 2
				DATE Sep 5, 2018
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY
Oberlin, OH	ZOB	ARTCC	OMIC	AIR TRAFFIC MANAGER Mark S. Madden
UTC TIME	REMARKS			
0400	C Beery on			
E 0430	ZOB EBUS released to maint. -- CB			
E 0455	D Juhl on duty -- UM			
E 0506	ZOB EBUS RTS -- UM			
0559	ADSS/0544Z CFAD/0425Z CRAD/0501Z CPDLC/0552Z certified. -- UM			
0838	BOS and CHI AIRMETS -- UM			
1010	J. Kudlo on duty. -- JK			
1115	WX Brief Completed. WCLC. -- JK ✓			
E 1234	CLE APCH ATC alert .. ASR9 maintenance .. 1300z-2000z -- JK			
E 1335	MBL BUEC 135.375 OTM -- JK			
1520	R. Buentello on duty. -- RB			
1657	J. Kudlo on duty. -- JK			
1800	R. Buentello on duty. -- RB			
E 1832	CLE APCH ATC alert cancelled, normal ops. -- RB			
1920	WX Brief Completed. WCLC. -- RB ✓			
E 1940	126.525 BUEC failed. -- RB			
2026	M.Vogel on duty. -- VV			
2141	R. Buentello on duty. -- RB			
2308	M.Vogel on duty. -- VV			
0035	DALR checks completed. -- VV ✓			
0240	DTW changed to north flow, maps changed, 1 2 4 8 tmu -- VV			
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

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 2 of 2
				DATE Sep 5
				CHECKED BY Mark S. Madden
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	
Oberlin, OH	ZOB	ARTCC	OMIC	
UTC TIME	REMARKS			
0258	BOS and CHI AIRMETS -- VV			
0315	Urgent PIREP DTW240014 0303Z 160-190 H/DC10 NEG PRECIP MDT/SVR TURB NO damage or reported injuries. -- VV			
0325	YNG TWR ATC ALERT staffing trigger -- VV			
0359	COB. -- VV /			
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

18-004-ZOB

CGLKX

DAILY RECORD OF FACILITY OPERATION				Page No. 1
U.S. Department of Transportation Federal Aviation Administration				Date 09/05/2018
Location	Identification	Type/Facility	Position	Checked by:
Cleveland, OH	ZOB	ARTCC	WC	Traffic Management Officer JOSEPH R. ACCAVALLO
TIME (UTC)	REMARKS			
0944	BRIAN O'QUINN (S6) On duty position WC			S6
1219	WX: PIREPS SOLICITED FROM AREAS : 5			S6
1230	WX: CHI AIRMET SIERRA UPDT 2 VALID TIL 1500Z.			S6
1259	WX: PIREPS SOLICITED FROM AREAS : 5			S6
1400	WX: PIREPS SOLICITED FROM AREAS : 5			S6
1403	WX: PIREPS SOLICITED FROM AREAS : 5			S6
1456	WX: 1447-2100 BOS AIRMET SIERRA UPDT 2, TANGO UPDT 2, ZULU UPDT 2 VALID TIL 2100Z.			S6
1456	WX: 1447-2100 CHI AIRMET SIERRA UPDT 3, TANGO UPDT 2, ZULU UPDT 2 VALID TIL 2100Z.			S6
1507	WX: AFTER CONVERSATION WITH CWSU, NO PIREPS REQUIRED.			S6
1522	WX: CHI AIRMET ZULU UPDT 3 VALID TIL 2100Z.			S6
1552	WX: AFTER CONVERSATION WITH CWSU, NO PIREPS REQUIRED.			S6
1644	WX: AFTER CONVERSATION WITH CWSU, NO PIREPS REQUIRED.			S6
1704	WX: ZID CWA 101 VALID TIL 1800Z.			S6
1742	WX: AFTER CONVERSATION WITH CWSU, NO PIREPS REQUIRED.			S6
1827	WX: CONVECTIVE SIGMET 4e 5e 6e 7e VALID TIL 1955Z.			S6
1829	WX: ZID CWA 102 VALID TIL 1900Z.			S6
1911	WX: CONVECTIVE SIGMET 9E 10E VALID TIL 2055Z.			S6
2021	WX: CONVECTIVE SIGMET 12 13E VALID TIL 2155Z.			S6
2022	WX: ZBW CWA 101 VALID TIL 2100Z.			S6
2100	WX: 2100-0300 9/06 BOS AIRMET SIERRA UPDT 3, TANGO UPDT 3, ZULU UPDT 3 VALID TIL 0300Z.			S6
2100	WX: 2100-0300 9/06 CHI AIRMET SIERRA UPDT 3, TANGO UPDT 3, ZULU UPDT 3 VALID TIL 0300Z.			S6
2101	WX: ZBW CWA 102 VALID TIL 2200Z.			S6
2101	WX: CONVECTIVE SIGMET 17 18E VALID TIL 2255Z.			S6
2200	WX: ZOB CWA 101 VALID TIL 2210Z.			S6
2200	WX: ZBW CWA 103 VALID TIL 2300Z.			S6
2200	WX: CONVECTIVE SIGMET 21 23 24E 25E VALID TIL 2355Z.			S6
2313	WX: ZID CWA 103 VALID TIL 2300Z.			S6
2313	WX: ZOB CWA 201 VALID TIL 2315Z.			S6
2313	WX: CONVECTIVE SIGMET 27 29 30E VALID TIL 0055Z.			S6
2314	WX: CHI AIRMET SIERRA UPDT 5 VALID TIL 0300Z.			S6
0002	WX: ZOB CWA 202 VALID TIL 0015Z.			S6
0002	WX: ZOB CWA 301 VALID TIL 0045Z.			S6
0128	WX: BOS AIRMET SIERRA UPDT 4 VALID TIL 0300Z.			S6
0128	WX: ZOB CWA 204 VALID TIL 0215Z.			S6
I CERTIFY that entries above are correct; that all scheduled operations have been accomplished, except as noted, and that all abnormal occurrence and conditions have been recorded				
Watch Supervisor(s) signature 		Watch Supervisor(s) signature		Watch Supervisor(s) signature

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 1
				DATE Sep 6, 2018
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY [REDACTED]
Oberlin, OH	ZOB	ARTCC	OMIC	AIR TRAFFIC MANAGER Mark S. Madden
UTC TIME	REMARKS			
0400	D. Juhl/M. Vogel on duty. -- VV			
0400	ZOB EBUS released to maint. -- UM			
0433	ZOB EBUS RTS. -- UM			
0455	Convective SIGMET 8E,9E and 11E valid -- UM			
E 0630	MBL BUEC 135.375 OTM. Late entry RTS on 9/5/2018 at 2342Z -- UM			
E 0631	126.525 BUEC failed. Late entry RTS on 9/5/2018 at 2044Z -- UM			
	0638 ADSS/0603Z CFAD/0612Z CRAD/0527Z CPDLC/0625Z certified. -- UM			
M 0735	ZOB-M-2018/09/06-0001 -- CGLKX -- UM			
	1006 R. Buentello on duty. -- RB			
	1120 WX Brief Completed. WCLC. -- RB			
E 1135	132.25 BUEC OTS. -- RB			
E 1331	132.25 BUEC RTS. -- RB			
E 1532	135.375 M/S BUEC OTS -- RB			
	1815 P. Sand on duty. -- PU			
	1820 URGENT PIREP: IHD 1800 N6908P PA46 130 +/-400ft. No aircraft damage or injuries. -- PU			
	1825 URGENT PIREP: IHD 1805 BE30 170 MOD Turbulence +/-300ft. No aircraft damage or injuries. -- PU			
	1940 WX Brief Completed. WCLC. -- PU			
	2036 AF1 enters ZOB airspace. -- PU			
	2045 AF1 exits ZOB airspace. -- PU			
	0030 DALR checks completed. -- PU			
	0200 D Juhl on duty -- UM			
	0334 BOS and CHI AIRMETS -- UM			
	0359 COB. -- UM			
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.		SIGNATURES(S) OF WATCH SUPERVISOR(S) [REDACTED]		

FAA Form 7230-4

DAILY RECORD OF FACILITY OPERATION				Page No. 1
U.S. Department of Transportation Federal Aviation Administration				Date 09/06/2018
Location	Identification	Type/Facility	Position	Checked by: Traffic Management Officer JOSEPH R. ACCAVALLO
Cleveland, OH	ZOB	ARTCC	WC	
TIME (UTC)	REMARKS			
0400	position open. carried over [S6] BRIAN O'QUINN			S6
1054	WX: CHI AIRMET SIERRA UPDT 2 VALID TIL 1500Z.			S6
1054	WX: CONVECTIVE SIGMET 15E 16E VALID TIL 1255Z.			S6
1121	WX: ZOB CWA 101 VALID TIL 1210Z.			S6
1148	WX: CONVECTIVE SIGMET 17E VALID TIL 1355Z.			S6
1217	WX: PIREPS SOLICITED FROM AREAS : 1-8			S6
1228	WX: ZOB CWA 102 VALID TIL 1310Z.			S6
1256	WX: ZAU CWA 101 VALID TIL 1445Z.			S6
1256	WX: CONVECTIVE SIGMET 19E VALID TIL 1455Z.			S6
1310	WX: PIREPS SOLICITED FROM AREAS : 1-8			S6
1330	WX: CHI AIRMET SIERRA UPDT 3 VALID TIL 1500Z.			S6
1330	WX: BOS AIRMET SIERRA UPDT 3 VALID TIL 1500Z.			S6
1352	WX: CONVECTIVE SIGMET 22E VALID TIL 1555Z.			S6
1424	WX: PIREPS SOLICITED FROM AREAS :1-8			S6
1451	WX: CONVECTIVE SIGMET 25E VALID TIL 1655Z.			S6
1452	WX: 1447-2100 BOS AIRMET SIERRA UPDT 4, TANGO UPDT 2, ZULU UPDT 2 VALID TIL 2100Z.			S6
1452	WX: 1447-2100 CHI AIRMET SIERRA UPDT 4, TANGO UPDT 2, ZULU UPDT 2 VALID TIL 2100Z.			S6
1457	WX: PIREPS SOLICITED FROM AREAS : 1-8			S6
1551	WX: CONVECTIVE SIGMET 29E 30E VALID TIL 1755Z.			S6
1557	WX: PIREPS SOLICITED FROM AREAS : 1-8			S6
1638	WX: ZNY CWA 101 VALID TIL 1700Z.			S6
1658	WX: PIREPS SOLICITED FROM AREAS : 1-8			S6
1658	WX: CONVECTIVE SIGMET 33E VALID TIL 1855Z.			S6
1659	WX: CONVECTIVE SIGMET 34E VALID TIL 1855Z.			S6
1659	WX: CONVECTIVE SIGMET 35E VALID TIL 1855Z.			S6
1702	PIREP UUA OV:HYK180030 TM:1640 FL:140-120 TP:P3 TB:MOD-SEV			S6
1745	WX: PIREPS SOLICITED FROM AREAS : 1-8			S6
1753	WX: CONVECTIVE SIGMET 64C 40E 41E 42E VALID TIL 1955Z.			S6
1807	PIREP UUA OV:IHD TM:1800 FL:130 TP:PA46 RM:+/-400FT UPDRAFT			S6
1817	PIREP UUA OV:IHD TM:1805 FL:170 TP:BE30 TB:MOD RM:+/-300FT			S6
1824	PIREP UUA OV:LBE TM:1805 FL:170 TP:BE30 TB:MOD RM:+/-300FT			S6
1851	BRIAN OQUINN (S2) On duty position WC			S2
1852	BRIAN OQUINN (S2) Off duty position WC			S2
1853	BRIAN O'QUINN (S6) Off duty position WC			S6
1857	WZ (WZ) On duty position WC			WZ
1857	WX: CONVECTIVE SIGMET 46E VALID TIL 2055Z.			WZ
1857	WX: CONVECTIVE SIGMET 47E VALID TIL 2055Z.			WZ
1857	WX: CONVECTIVE SIGMET 48E VALID TIL 2055Z.			WZ
I CERTIFY that entries above are correct; that all scheduled operations have been accomplished, except as noted, and that all abnormal occurrence and conditions have been recorded				
Watch Supervisor(s) signature 		Watch Supervisor(s) signature		Watch Supervisor(s) signature

DAILY RECORD OF FACILITY OPERATION				Page No. 2
U.S. Department of Transportation Federal Aviation Administration				Date 09/06/2018
Location	Identification	Type/Facility	Position	Checked by:
Cleveland, OH	ZOB	ARTCC	WC	Traffic Management Officer JOSEPH R. ACCAVALLO
TIME (UTC)	REMARKS			
1858	WX: CONVECTIVE SIGMET 72C VALID TIL 2055Z.			WZ
2008	WX: ZMP CWA 101 VALID TIL 2015Z.			WZ
2009	WX: CONVECTIVE SIGMET 52E VALID TIL 2155Z.			WZ
2009	WX: CONVECTIVE SIGMET 53E VALID TIL 2155Z.			WZ
2009	WX: CONVECTIVE SIGMET 54E VALID TIL 2155Z.			WZ
2100	WX: 2100-0300 9/07 BOS AIRMET SIERRA UPDT 5, TANGO UPDT 3, ZULU UPDT 3 VALID TIL 0300Z.			WZ
2101	WX: 2100-0300 9/07 CHI AIRMET SIERRA UPDT 5, TANGO UPDT 3, ZULU UPDT 3 VALID TIL 0300Z.			WZ
2102	WX: CONVECTIVE SIGMET 59E VALID TIL 2255Z.			WZ
2103	WX: CONVECTIVE SIGMET 60E VALID TIL 2255Z.			WZ
2103	WX: CONVECTIVE SIGMET 61E VALID TIL 2255Z.			WZ
2201	WX: CONVECTIVE SIGMET 66E VALID TIL 2355Z.			WZ
2201	WX: CONVECTIVE SIGMET 67E VALID TIL 2355Z.			WZ
2201	WX: CONVECTIVE SIGMET 68E VALID TIL 2355Z.			WZ
2211	WX: ZID CWA 102 VALID TIL 2300Z.			WZ
2242	WX: ZOB CWA 201 VALID TIL 2315Z.			WZ
2323	WX: CONVECTIVE SIGMET 70E VALID TIL 0055Z.			WZ
2323	WX: CONVECTIVE SIGMET 71E VALID TIL 0055Z.			WZ
2323	WX: CONVECTIVE SIGMET 72E VALID TIL 0055Z.			WZ
2355	WX: CONVECTIVE SIGMET 74E VALID TIL 0155Z.			WZ
2355	WX: CONVECTIVE SIGMET 75E VALID TIL 0155Z.			WZ
2355	WX: CONVECTIVE SIGMET 76E VALID TIL 0155Z.			WZ
2356	WX: ZBW CWA 101 VALID TIL 0015Z.			WZ
0018	WX: CONVECTIVE SIGMET 74E VALID TIL 0155Z.			WZ
0018	WX: CONVECTIVE SIGMET 75E VALID TIL 0155Z.			WZ
0018	WX: CONVECTIVE SIGMET 756E VALID TIL 0155Z.			WZ
0055	WX: CONVECTIVE SIGMET 1E VALID TIL 0255Z.			WZ
0055	WX: CONVECTIVE SIGMET 2E VALID TIL 0255Z.			WZ
0055	WX: CONVECTIVE SIGMET 3E VALID TIL 0255Z.			WZ
0055	WX: CONVECTIVE SIGMET 4E VALID TIL 0255Z.			WZ
0055	WX: CONVECTIVE SIGMET 5E VALID TIL 0255Z.			WZ
0215	WX: CONVECTIVE SIGMET 8E VALID TIL 0355Z.			WZ
0215	WX: CONVECTIVE SIGMET 9E VALID TIL 0355Z.			WZ
I CERTIFY that entries above are correct; that all scheduled operations have been accomplished, except as noted, and that all abnormal occurrence and conditions have been recorded				
Watch Supervisor(s) signature		Watch Supervisor(s) signature		Watch Supervisor(s) signature

SECTION 5.
Personnel Log(s)

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AGL		ZOB		AREA 1			MONTH: SEP	DAY: 05	YEAR: 2018	
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			
BALLY, DARRYL (TJ) 04:59 - 14:59	R	04:59	14:59	10+00			01+40	04+46				
CLARK, BRIAN (BN) 05:48 - 13:48	R	05:48	13:48	08+00			01+08	04+09				
IRWIN, KENNETH (KI) 06:15 - 13:15	R	06:15	13:15	10+00			01+49	04+25				
	9	13:15	16:15									
COULTER, CHARLES (YO) 06:45 - 14:45	R	06:45	14:45	08+00			02+25	05+27				
HAMILTON, ALEXANDER (BH) 06:45 - 14:45	R	06:45	14:45	08+00			00+23	05+53				
HARSH, KRISTOPHER (YA) 06:45 - 13:45	R	06:45	13:45	10+00			01+30	04+33				
	9	13:45	16:45									
LEVERKNIGHT, CHARLES (BB) 06:53 - 14:53	R	06:53	14:53	08+00			01+48	03+51				
WHEELER, NICHOLAS (NW) 06:56 - 15:26	R	06:56	11:06	08+00	00+30	Leave	00+00	00+00				
	R	11:36	15:26									
ZAREMBA, GRAIG (ZE) 11:50 - 19:50	51	09:50	11:50	10+00			01+27	04+47				
	R	11:50	19:50									
COOPER, DANIEL (OL) 12:00 - 20:00	51	10:45	12:00	06+00	03+15	Leave	00+42	02+21				
	R	12:00	16:45									
ANDREWS, MICHAEL (AN) 08:00 - 16:00	R	11:30	16:00	05+30	03+30	Leave	00+53	02+51				
	9	16:00	17:00									
FOX, GEORGE (PF) 08:45 - 16:45	R	11:45	16:45	05+00	03+00	Leave	00+52	02+46				
SVEGEL, RYAN (NT) 13:00 - 21:00	9	12:48	13:00	10+12			00+54	06+14				
	R	13:00	21:00									
	58	21:00	23:00									
TILLEY, JEFFREY (NV) 13:00 - 21:00	R	13:00	21:00	08+00			02+27	03+21				
SUNDERMEIER, BRENDT (SN) 14:00 - 22:00	9	13:15	14:00	08+45			01+28	06+48				
	R	14:00	22:00									
VOGELPOHL, JOSHUA (JM) 13:23 - 22:23	R	13:23	22:23	10+00			00+47	05+55				
	58	22:23	23:23									
ULMES, MATTHEW (TP) 13:35 - 21:35	R	13:35	21:35	08+00			00+48	04+53				
GUZIK, BRIAN (BR) 13:45 - 21:45	R	13:45	21:45	08+00			01+17	04+18				
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		
		AGL		ZOB		AREA 1			MONTH: SEP	DAY: 05	YEAR: 2018
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		
REYNOLDS, ANTHONY (RI) 13:52 - 21:52	R	13:52	21:52	08+00			00+52	04+39			
MOON, JAMES (MO) 13:55 - 21:55	R	13:55	21:55	09+00			00+59	04+54			
	58	21:55	22:55								
BETRAS, BRANDELLE (BA) 14:00 - 22:00	R	14:00	22:00	09+00			00+53	06+01			
	58	22:00	23:00								
VIOLAND, MARK (VL) 15:00 - 23:00	9	14:20	15:00	08+40			00+46	04+49			
	R	15:00	23:00								
PIGNATIELLO, VINCENT (VX) 14:47 - 22:47	R	14:47	22:47	08+00			00+46	04+34			
MERRIMAN, PETER (PR) 22:00 - 06:00	R	22:00	04:00	06+00	02+00	Leave	00+23	02+42			
GAGNE, MARC (NH) 23:00 - 06:00	9	22:15	23:00	07+45			00+36	05+59			
	R	23:00	06:00								
DANIELS, JOHN (IQ) 22:20 - 06:20	R	22:20	06:20	08+00			00+36	05+20			
COOKE, ROBERT (NA) 07:00 - 15:00					08+00	Leave	00+00	00+00			
LAMBERT, DANIEL (XW) 07:00 - 15:00					08+00	Leave	00+00	00+00			
ANGELY, SHAWN (AY) 07:00 - 15:00					08+00	Leave	00+00	00+00			
KAY, JOHN (KF) 08:00 - 16:00					08+00	Leave	00+00	00+00			
CIAPPA, JOSEPH (GZ) 10:00 - 20:00					10+00	Leave	00+00	00+00			
KRUPP, GREGORY (DY) 15:00 - 23:00					08+00	Leave	00+00	00+00			
PORTA, GARY (ZL) RDO	77	05:25	13:25	08+00			04+03	03+47			
MILLER, DAVID (EZ) RDO	94	05:44	13:44	08+00			01+05	03+17			
SANTIAGO, JOSHUA (HD) RDO	65	05:45	13:45	08+00			00+59	04+00			
ANDERSON, JOSHUA (AW) 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)											

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AGL		ZOB		AREA 1			MONTH: SEP	DAY: 05	YEAR: 2018	
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			
BARSCH, ADAM (KA) RDO												
CROUCH, JONATHAN (JW) RDO												
DEL BUSSO, DANIELLA (DB) RDO												
EDGEETT, JOSHUA (ET) RDO												
FISHER, KEVIN (NK) RDO												
NETTEY, GEORGE (GN) RDO												
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS		
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PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AGL		ZOB		AREA 1			MONTH: SEP	DAY: 06	YEAR: 2018	
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			
FOX, GEORGE (PF) 03:00 - 11:00	R	03:00	11:00	09+00			04+02	03+52				
	9	11:00	12:00									
COULTER, CHARLES (YO) 05:00 - 13:00	R	05:00	13:00	08+30			03+12	04+07				
	9	13:00	13:30									
IRWIN, KENNETH (KI) 05:33 - 12:33	R	05:33	12:33	07+00			00+42	04+04				
LEVERKNIGHT, CHARLES (BB) 05:56 - 13:56	R	05:56	13:56	08+00			00+41	04+38				
ANGELY, SHAWN (AY) 06:45 - 14:45	R	06:45	14:45	08+00			01+32	04+36				
COOPER, DANIEL (OL) 06:45 - 14:45	R	06:45	14:45	08+00			00+39	04+32				
GUZIK, BRIAN (BR) 06:45 - 14:45	R	06:45	14:45	08+00			00+56	04+26				
HAMILTON, ALEXANDER (BH) 06:45 - 14:45	R	06:45	14:45	08+00			00+19	06+32				
SUNDERMEIER, BRENDT (SN) 07:00 - 15:00	R	07:00	15:00	08+00			03+41	03+45				
TILLEY, JEFFREY (NV) 07:00 - 15:00	R	07:00	15:00	08+00			01+19	04+36				
COOKE, ROBERT (NA) 07:30 - 15:30	R	07:30	13:30	06+00	02+00	Leave	00+37	03+36				
MOON, JAMES (MO) 09:00 - 17:00	9	08:30	09:00	08+30			00+39	04+43				
	R	09:00	17:00									
ZAREMBA, GRAIG (ZE) 09:15 - 17:15	R	09:15	17:15	08+00			00+52	04+29				
VOGELPOHL, JOSHUA (JM) 12:00 - 20:00	9	11:20	12:00	08+40			00+46	04+59				
	R	12:00	20:00									
KRUPP, GREGORY (DY) 14:00 - 22:00	9	12:00	14:00	10+00			01+26	04+57				
	R	14:00	22:00									
PIGNATIELLO, VINCENT (VX) 12:38 - 20:38	R	12:38	20:38	08+00			00+38	05+02				
ULMES, MATTHEW (TP) 12:40 - 20:40	R	12:40	20:40	08+00			01+40	04+41				
VIOLAND, MARK (VL) 12:59 - 20:59	R	12:59	20:59	08+00			00+59	04+28				
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS		

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PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		AGL		ZOB		AREA 1			MONTH: SEP	DAY: 06	YEAR: 2018
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		
SVEGEL, RYAN (NT) 13:00 - 21:00	R	13:00	21:00	08+00			01+34	04+24			
REYNOLDS, ANTHONY (RI) 13:45 - 21:45	R	13:45	21:45	09+00			00+52	05+05			
	51	21:45	22:45								
BETRAS, BRANDELLE (BA) 13:53 - 21:53	R	13:53	21:53	08+00			00+34	05+13			
BARSCH, ADAM (KA) 14:55 - 22:55	R	14:55	22:55	08+00			01+10	03+37			
NETTEY, GEORGE (GN) 15:00 - 23:00	R	15:00	23:00	10+00			01+12	05+35			
	9	23:00	01:00								
MILLER, DAVID (EZ) 17:00 - 00:00	R	17:00	00:00	10+00			00+57	06+02			
	100	00:00	03:00								
DANIELS, JOHN (IQ) 22:30 - 06:30	9	22:10	22:30	08+20			00+48	04+34			
	R	22:30	06:30								
LEVERKNIGHT, CHARLES (BB) 22:19 - 06:19	R	22:19	06:19	08+00			00+40	05+06			
LAMBERT, DANIEL (XW) 06:00 - 14:00					08+00	Leave	00+00	00+00			
ANDREWS, MICHAEL (AN) 07:00 - 15:00					08+00	Leave	00+00	00+00			
WHEELER, NICHOLAS (NW) 07:00 - 15:00					08+00	Leave	00+00	00+00			
KAY, JOHN (KF) 08:00 - 16:00					08+00	Leave	00+00	00+00			
CIAPPA, JOSEPH (GZ) 10:00 - 20:00					10+00	Leave	00+00	00+00			
ANDERSON, JOSHUA (AW) 15:00 - 23:00					08+00	Leave	00+00	00+00			
LAMBERT, DANIEL (XW) 22:30 - 06:30					08+00	Leave	00+00	00+00			
MERRIMAN, PETER (PR) 22:30 - 06:30					08+00	Leave	00+00	00+00			
GAGNE, MARC (NH) NAS											
BALLY, DARRYL (TJ) RDO											
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	

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PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE			
		AGL		ZOB		AREA 1			MONTH: SEP	DAY: 06	YEAR: 2018	
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			
CLARK, BRIAN (BN) RDO												
CROUCH, JONATHAN (JW) RDO												
DEL BUSSO, DANIELLA (DB) RDO												
EDGEETT, JOSHUA (ET) RDO												
FISHER, KEVIN (NK) RDO												
PORTA, GARY (ZL) RDO												
SANTIAGO, JOSHUA (HD) RDO												
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS		
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SECTION 6.

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

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)
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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	R12	R	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400	NH	0412	C		
0413	IQ	0632	C		
0633	PR	0848	C		
0849	NH	0947	C		
0948	EZ	0951	C		
0952	BN	1035	C		
1036	TJ	1056	C		
1057	BB	1121	C		
1122	KI	1147	C		
1148	EZ	1241	C		
1242	KI	1348	C		
1349	BB	1500	C		
1501	HD	1542	C		
1543	ZE	1549	C		

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec

T - Trainee/Developmental

M - Trainee/Developmental Monitoring

R - Trainee/Developmental Certification/
Evaluation

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	R12	R	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
1550	ZE	1558	C		
1559	YA	1631	C		
1632	OL	1702	C		
1703	NV	1743	C		
1744	BB	1753	C		
1754	OL	1808	C		
1809	AN	1852	C		
1853	VX	1930	C		
1931	NV	2010	C		
2011	VL	2104	C		
2105	NV	2112	C		
2113	BR	2243	C		
2244	NT	2248	C		
2249	NV	2328	C		

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POSITION LOG

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	D12	RA	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1411		R12	R
1412	BB	1530	C		
1531	JM	1559	C		
1600	JM	1628	C		
1629	YA	1630	C		
1631	BR	1638	C		
1639		1756		R12	R
1757	BA	1906	C		
1907		1937		R12	R
1938	JM	1955	C		
1956	BA	2127	C		
2128		2208		R12	R
2209	BA	2246	C		
2247		0359		R12	R

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18-004-ZOB

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	R12	R	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400	PR	0417	C		
0418	IQ	0707	C		
0708	PF	0844	C		
0845	NH	0935	C		
0936	KI	1031	C		
1032	PF	1056	C		
1057	BR	1139	C		
1140	NA	1309	C		
1310	BR	1357	C		
1358	KI	1445	C		
1446	BR	1542	C		
1543	KI	1622	C		
1623	BB	1704	C		
1705	VL	1809	C		

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	D14	RA	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		0359		R14	R
0400		0359		R14	R
0400		1929		R14	R
1930	BA	2020	C		
2021		2134		R14	R
2135	BA	2237	C		
2238	JM	2315	C		
2316		0359		R14	R

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POSITION LOG

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	R14	R	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400	PR	0519	C		
0520	NH	0739	C		
0740	IQ	0900	C		
0901	TJ	0949	C		
0950	HD	1018	C		
1019	KI	1032	C		
1033	EZ	1059	C		
1100	HD	1210	C		
1211	BB	1304	C		
1305	HD	1352	C		
1353	ZE	1449	C		
1450	OL	1542	C		
1543	YA	1557	C		
1558	ZL	1644	S		

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	R15	R	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1209		R14	R
1210	ZL	1311	S		
1312		1640		R14	R
1641	TJ	1721	C		
1722	YA	1744	C		
1745	YA	1756	C		
1757	RI	1810	C		
1811	ZE	1830	C		
1831		2009		R14	R
2010	ZE	2054	C		
2055		0359		R14	R

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18-004-ZOB

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	D16	RA	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OF F	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1440		R16	R
1441		1500		D12	RA
1501		1804		R16	R
1805		1927		D12	RA
1928		2201		R16	R
2202		2252		D12	RA
2253		2333		R16	R
2334		0055		D12	RA
0056		0359		R16	R

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER		(3) POS	(4) DATE	
ZOB	A18		A	09/05/2018	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1048		Closed	
1049	BH	1253	C		
1254		1333		D18	RA
1334	BH	1518	C		
1519		1550		D18	RA
1551	BH	1723	C		
1724		1800		D18	RA
1801	BH	1830	C		
1831		1909		D18	RA
1910	TP	1920	C		
1921		2008		D18	RA
2009	VL	2010	C		
2011		0359		D18	RA

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec

T - Trainee/Developmental

M - Trainee/Developmental Monitoring

R - Trainee/Developmental Certification/
Evaluation

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	D18	RA	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1209		R18	R
1210	YA	1212	C		
1213		1547		R18	R
1548	YO	1702	S		
1703		1703		Closed	
1704		2315		R18	R
2316	JM	2323	C		
2324	BA	0051	C		
0052	RI	0056	C		
0057		0359		R18	R

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18-004-ZOB

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	R18	R	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1050		R12	R
1051	YA	1118	C		
1119	BN	1144	C		
1145	TJ	1229	C		
1230	BN	1334	C		
1335	EZ	1417	C		
1418	BN	1510	C		
1511	EZ	1549	C		
1550	BN	1634	C		
1635	HD	1704	C		
1705	ZE	1725	C		
1726	JM	1759	C		
1800	MO	1841	C		
1842	YA	1926	C		
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18-004-ZOB

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	R18	R	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
1927	MO	2020	C		
2021	VX	2111	C		
2112	MO	2156	C		
2157	VX	2323	C		
2324	JM	2340	C		
2341	NT	0056	C		
0057	RI	0144	C		
0145	NT	0228	C		
0229	IQ	0326	C		
0327		0359		R12	R

CODE:

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T - Trainee/Developmental	Evaluation

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER		(3) POS	(4) DATE	
ZOB	D19		RA	09/05/2018	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1211		R19	R
1212		1212		D18	RA
1213		1741		R19	R
1742	NT	1841	C		
1742	TP	1841	T		
1842	VL	1859	C		
1900	VL	1921	C		
1922	NT	2027	C		
1922	TP	2027	T		
2028	JM	2035	C		
2036		2054		R19	R
2055	ZE	2103	C		
2104	BA	2127	C		
2128	NT	2241	C		

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POSITION LOG					
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ZOB	R19	R	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1050		R12	R
1051		1212		R18	R
1213	YA	1322	C		
1323	TJ	1412	C		
1413	YA	1456	C		
1457	TJ	1545	C		
1546	BB	1624	C		
1625	KI	1650	C		
1651	NT	1659	C		
1700	NT	1740	C		
1741	PF	1755	C		
1756	BR	1839	T		
1756	PF	1839	C		
1840	KI	1922	C		

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER		(3) POS	(4) DATE	
ZOB	R19		R	09/05/2018	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
1923	NV	1929	C		
1930	BR	2023	T		
1930	PF	2023	C		
2024	RI	2114	C		
2115	NV	2155	C		
2156	ZE	2254	C		
2255	MO	0013	C		
0014	VX	0151	C		
0152	VL	0249	C		
0250	JM	0311	C		
0312		0326		R18	R
0327		0359		R12	R

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FAA Form 7230-10 (6-94)

NSN: 0052-00-024-6102

Electronic Version (OmniForm)

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

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	OS_1_1	O	09/05/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1022		Closed	
1023	ZL	1122	S		
1123	YO	1439	S		
1440	KI	1545	C		
1546		1556		OS_1_2	O
1557	PF	1649	C		
1650		1839		OS_1_2	O
1840	JM	1945	C		
1946		2004		OS_1_2	O
2005	SN	0023	S		
0024		0052		OS_1_2	O
0053	SN	0146	S		
0147	UM	0312	S		
0313		0359		Closed	

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18-004-ZOB

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	D14	RA	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1100		R14	R
0400		0359		R14	R
0400		0359		R14	R
1101	AY	1211	T		
1101	NV	1211	C		
1212		1243		R14	R
1244	AY	1300	T		
1244	NV	1300	C		
1301		1354		R14	R
1355	AY	1453	T		
1355	NV	1453	C		
1454		1551		R14	R
1552	AY	1645	T		
1552	NV	1645	C		
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18-004-ZOB

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POSITION LOG

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	D14	RA	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
1646		1749		R14	R
1750	AY	1815	T		
1750	NV	1815	C		
1816		2010		R14	R
2011	DY	2028	C		
2029		0359		R14	R

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	R14	R	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400	NH	0459	C		
0500	PR	0528	C		
0529	NH	0759	C		
0800	IQ	0931	C		
0932	PF	1000	C		
1001	BB	1127	C		
1128	KI	1301	C		
1302	OL	1427	C		
1428	YA	1538	C		
1539	ZE	1631	C		
1632	YA	1719	C		
1720	JM	1816	C		
1817	YA	1905	C		
1906	GN	1956	C		
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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	D15	RA	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1100		R15	R
1101		1209		D14	RA
1210		1211		R15	R
1212	AY	1243	T		
1212	NV	1243	C		
1244		1354		R15	R
1355		1455		D14	RA
1456		1551		R15	R
1552		1641		D14	RA
1642		1732		R15	R
1733	AY	1749	T		
1733	NV	1749	C		
1750		1815		D14	RA
1816		2010		R15	R
CODE: C - ATCS/ATA S - Supervisor/Staff Spec T - Trainee/Developmental M - Trainee/Developmental Monitoring R - Trainee/Developmental Certification/ Evaluation					

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	D16	RA	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1411		R16	R
1412		1639		D12	RA
1640		1645		R16	R
1646	TP	1702	C		
1703		1756		R16	R
1757		1906		D12	RA
1907		1937		R16	R
1938		2129		D12	RA
2130		2208		R16	R
2209		2246		D12	RA
2247		0359		R16	R

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(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	A18	A	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1103		D18	RA
1104	BH	1240	C		
1241		1309		D18	RA
1310	BH	1456	C		
1457		1518		D18	RA
1519	BH	1742	C		
1743		1751		D18	RA
1752	BH	1835	C		
1836		0359		D18	RA

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18-004-ZOB

CGLKX

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POSITION LOG					
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ZOB	D18	RA	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1223		R18	R
1224	BR	1251	C		
1252		2055		R18	R
2056	NT	2210	C		
2056	TP	2210	T		
2211		2246		R18	R
2247	BA	2309	C		
2310	NT	2353	C		
2310	TP	2353	T		
2354	BA	0123	C		
0124		0359		R18	R

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POSITION LOG					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	R19	R	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1053		R12	R
1054		1238		R18	R
1239	MO	1259	C		
1300	MO	1359	C		
1400	NA	1510	C		
1511	OL	1603	C		
1604	NA	1658	C		
1659	OL	1753	C		
1754	DY	1759	C		
1800	DY	1855	C		
1856	KA	1934	C		
1935	ZE	2036	C		
2037	VL	2128	C		
2129		0359		R18	R
CODE: C - ATCS/ATA S - Supervisor/Staff Spec T - Trainee/Developmental M - Trainee/Developmental Monitoring R - Trainee/Developmental Certification/ Evaluation					

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18-004-ZOB

CGLKX

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(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) POS	(4) DATE		
ZOB	OS_1_1	O	09/06/2018		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	WHERE COMBINED	
				(9) POSITION IDENTIFIER	(10) POSITION TYPE
0400		1000		Closed	
1001	YO	1132	S		
1133	SN	1234	S		
1235		1500		OS_1_2	O
1501	YO	1627	S		
1628	SN	1748	S		
1749	RI	1909	C		
1910	YA	1912	C		
1912	JM	1937			
1938		2115		OS_1_2	O
2116	JM	2211			
2212		2339		OS_1_2	O
2340	VX	2356	C		
2357	CB	0257	S		
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18-004-ZOB

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FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)
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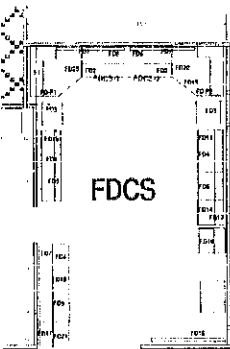
FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)

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SECTION 7.
Facility Layout Chart(s)

Cleveland ARTCC

18-004-ZOB
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A	268	LAN P	0801	0701	FNT T	158	235	MFD P	0601	0501	SKY P	135	234	GEE P	0401	0301	BUF P	134	201	CIP P	0201	0101	BKI P	101
B	267	LAN R-12	0802	0702	FNT V	167	236	MFD V	0602	0502	SKY V	136	233	GEE V	0402	0302	BUF V	133	202	CIP V	0202	0102	BKI V	102
C	266	ST JXN	0803	0703	P GAM	156	237	ST CRL	0603	0503	PAN ST	137	232	ST DSV	0403	0303	ROC ST	132	203	ST IHD	0203	0103	FKL ST	103
D	265	JXN D-14	0804	0704	GAM V	165	238	CRL V	0604	0504	PAN V	138	231	DSV D-36	0404	0304	ROC D-31	131	204	IHD D-53	0204	0104	FKL D-59	104
E	264	LFD P	0805	0705	ECK ST	164	239	BSV D-06	0605	0505	EIGHT R-91	139	230	STU D-39	0405	0305	THREE R-30	130	205	MGW D-55	0205	0105	FIVE R-56	105
F	263	LFD ST R-15	0806	0706	R-18 V	163	240	BSV ST R-06	0606	0506	EIGHT D/A-91	140	229	STU ST R-39	0406	0306	THREE D/A-30	129	206	V MGW ST R-55	0206	0106	FIVE P D-56	106
G	262	ST ONE R-13	0807	0707	A SUP	162	241	ST MNV V R-03	0607	0507	A SUP	141	228	ST IAG V R-38	0407	0307	A ST PAR V R-50	128	207	ST PAR V R-50	0207	0107	A SUP	107
H	261	ONE D-13	0808	0708		161	242	MNV D-03	0608	0508		142	227	IAG D-38	0408	0308	PAR D/A-58	127	208	PAR D/A-58	0208	0108		108
I	177		0809	0709		160	243		0609	0509		143	226		0409	0309		126	209		0209	0109		109

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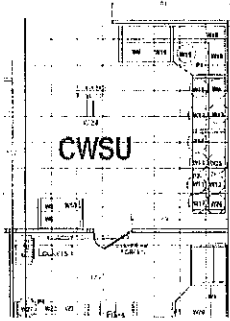
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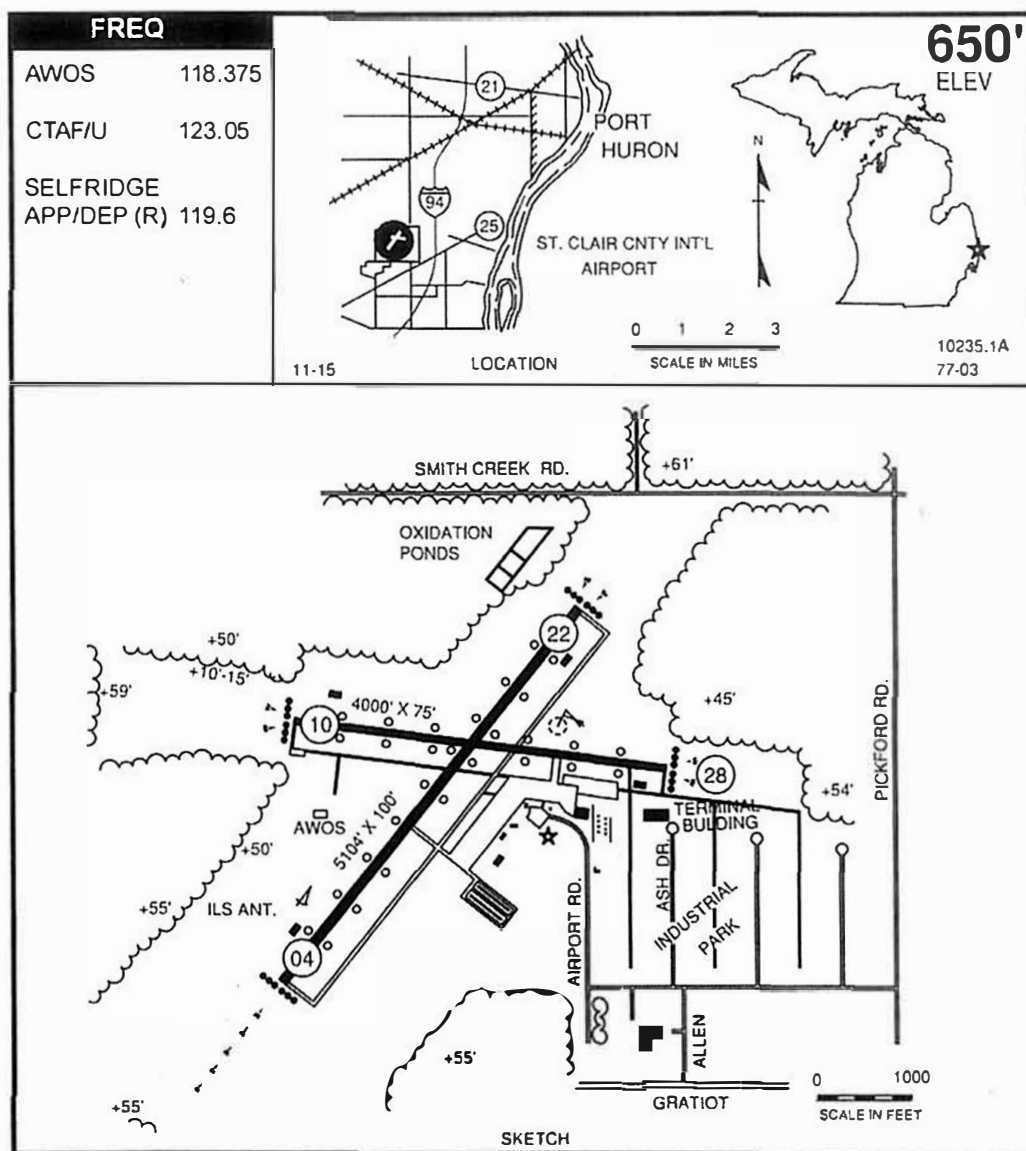
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R S T U V W X Y Z AA BB CC	259	LAK D-26	0811	0711	159	244		0611	0511	SUP A	144	225	SEVN D-90	0411	0311	125	210	AGC D-68	0211	0111		110		
	258	V LAK ST R-26	0812	0712	SUP A	168	245		0612	0512	SUP A	145	224	V SEVN STR-90	0412	0312	SUP A	124	211	V AGC R-68	0212	0112	SUP A	111
	257	ST WAY V R-25	0813	0713	P TWO D/A-22	157	246	FOUR R-44	0613	0513	P RAV D-48	146	223	ST YNG V R-75	0413	0313	P SPARE D/A-72	123	212	ST IRL V R-67	0213	0113	P KEY D/A-64	112
	256	WAY D-29	0814	0714	TWO R-22	166	247	FOUR D-44	0614	0514	RAV R-48	147	222	YNG D-75	0414	0314	SPARE R-72	122	213	IRL D-67	0214	0114	KEY V R-64	113
	255	HUD D-27	0815	0715	P YOG D-21	155	248	GEA D-45	0615	0515	P BFT D-47	148	221	DKK D-70	0415	0315	P WRN D-77	121	214	CKB D-69	0215	0115	SIX R-60	114
	254	V HUD ST R-27	0816	0716	YOG V R-21	154	249	V GEA ST R-45	0616	0516	BFT R-47	149	220	V DKK R-70	0416	0316	WRN R-77	120	215	V CKB ST R-69	0216	0116	SIX D-60	115
	253	ST DET V R-28	0817	0717	DRE ST R-29	153	250	ST MBL V R-46	0617	0517	LOR R-49	150	219	ST BFD R-73	0417	0317	JRW R-75	119	216	ST AIR V R-65	0217	0117	P SPARE D-62	116
	252	DET D-28	0818	0718	DRE D-20	152	251	MBL D-46	0618	0518	LOR P D-49	151	218	BFD D-73	0418	0318	JRW D-79	118	217	AIR D-66	0218	0118	SPARE R-62	117
	251																							

SECTION 8.
Airport Diagram

PORT HURON, ST. CLAIR CO INT'L (PHN)



RWY LENGTH BEYOND DISPLACED THR

04/ — • 10/ —
22/ — • 28/ —

COORDINATES

42° 54.66'N
082° 31.73'W

License

General Utility

FM CITY: 5 mi SW

LGT: HIRL Rwy 04-22; MIRL Rwy 10-28; REIL
Rwys 22, 10, and 28; MALSR Rwy 04-CTAF.

MGR: Kathy Reaume

PH: 810-364-6890

810-985-1066(Aft hrs)

FBO: Huron Avionics 810-364-2722

Aviation Express 810-364-4187

ATND: 0730-1930 May-Sept

0730-1700 Oct-Apr & Unatnd major holidays

NAV AIDS: IAP, 114.0 (ECK) 165° 22.3 NM
to fld, NDB (PH) 332 KHz 043° 5.1 NM to
fld, ILS.

FUEL: 100LL, JET A-55MB

RPR: Minor A&P on call

WX: AWOS 810-364-7787, WSI

SNW RMVL: Yes

TRNSP: Rntl car, taxi - on call

MEALS: 2.0 mi, CC

RON: In town, 2.0 mi, CC

- International regulated garbage-notify airport mgr 24 hr in adv for disposal of acft regulated garbage-direct fees apply.
- Deer & birds on & invof arpt.
- Contact U.S. Customs 810-985-9541 one hr prior to entry; Customs located in the terminal. Notify U.S. Dept of Agriculture 810-985-6126 or mgr 24 hr in adv for disposal of acft international trash.
- Admin bldg access—depress V, then III-II simultaneous, then I.
- Lndg fee for corp & comm opns
- Landing fee waived with fuel purchase.

SECTION 9.
Transcription of Voice Recording(s)



Federal Aviation Administration

Memorandum

Date: September 27, 2018

To: Aircraft Accident File 18-004-ZOB

From: Cleveland Air Route Traffic Control Center

Subject: **INFORMATION:** Partial Transcript
Aircraft Accident, CGLKX
Port Huron, MI, September 06, 2018

This transcription covers the Cleveland Air Route Traffic Control Center (ARTCC) R12 R position for the time period from September 06, 2018, 0303 UTC, to September 06, 2018, 0510 UTC.

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

ANTHONY P
MCCONAGHY

Digitally signed by ANTHONY
P MCCONAGHY
Date: 2018.10.02 11:40:04
-0400

Anthony McConaghy
QC Staff Specialist
Cleveland ARTCC

Agencies Making Transmissions	Abbreviations
Toronto Centre London Sector	YXU
Cleveland Center Lansing Sector Radar Controller	R12
CGLKX	CGLKX
Cleveland Center Operations Manager in Charge	OMIC
UNITED AIR LINES INC., UAL1611	UAL1611
Detroit Approach Control	DET
Cleveland Center Lansing Sector Radar Relief	R12R

0303
(0304-0332)
0333
0333:51 YXU flint sector london
0334

0334:01 R12 flint

18-004-ZOB
CGLKX

0334:03 YXU (unintelligible) lima kilo xray going to port huron uh oh
ten east of sarnia at four thousand

0334:15 R12 radar contact

0334:16 YXU alright he's direct to my er wiguk for the rnav two two

0334:20 R12 rnav two two is what he's requesting

0334:22 YXU that's correct

0334:23 R12 okay got it p r
0335

0335:30 YXU and flint from london

0335:32 R12 flint

0335:33 YXU uh twenty seven seven he couldn't reach you is there a
better one

0335:36 R12 twenty six fifty two try that one

0335:38 YXU okay will do

0335:39 R12 thanks

0335:52 CGLKX cleveland uh lima kilo xray four thousand

0335:59 R12 charlie golf lima kilo xray cleveland center roger and
confirm you are direct to uh wiguk

0336:07 CGLKX (unintelligible) direct to wiguk

0336:10 R12 charlie golf lima kilo xray roger report passing wiguk and
just confirm you do have the weather for port huron and
contact flight service to get the notams

0336:19 CGLKX say again (unintelligible)

0336:21 R12 confirm you have the weather for port huron and contact flight service to get the notams

0336:28 CGLKX yeah i have the weather for port huron and uh flight service for uh notams (unintelligible)

0336:37 R12 charlie golf lima kilo xray yes flight service will give you the most current notams and if you don't have them uh contact them please

0336:50 CGLKX (unintelligible) would be uh the frequency for them please

0336:56 R12 one two two point two

0336:58 CGLKX one two two two (unintelligible)
0337

0337:29 R12 and charlie golf lima kilo xray report passing wiguk and radar contact lost

0337:52 CGLKX and uh cleveland lima kilo xray there is no reponse to that sector
0338

0338:08 R12 charlie golf lima kilo xray uh roger did you pick up the notams before you departed

0338:16 CGLKX there was nothing uh noticeable (unintelligible)

0338:39 R12 charlie golf lima kilo xray i show there's a obstructed tower light that uh notamed and there's--- that's the only thing that i show that's notamed at port huron

0338:59 CGLKX okay copy that kilo xray

0339:04 R12 and it's uh three point one nautical miles northeast of port huron and the light is out of service on that tower that's what it shows and it's uh eight hundred seventy two feet

0339:16 CGLKX (unintelligible)
0340
0341
0342
0342:18 R12 charlie golf lima kilo xray have you passed wiguk

0342:23 CGLKX (unintelligible) inbound for runway two two rnav
(unintelligible)

0342:30 R12 charlie golf lima kilo xray cross zorix at or above two
thousand two hundred cleared rnav runway two two approach
to port huron cancel on the ground with flight service or
cancel in the air with me on one two six point uh five
two change to advisory frequency is approved

0342:49 CGLKX one two six point five for cancellation (unintelligible)
0343
0344
0344:33 CGLKX cleveland golf lima kilo xray uh just lost my right engine

0344:40 R12 charlie golf lima kilo xray uh roger you going to be able
to make the landing at port huron

0344:49 CGLKX (unintelligible) i'm gonna work on it
0345

0345:20 OMIC (unintelligible) the omic

0345:21 R12 hey uh i had a i f r small guy into port huron just
reported lost his right engine he said he's going to try
to still land there but uh (unintelligible) thirty four
hundred feet is the last i saw him

0345:33 OMIC what was the uh callsign

0345:34 R12 charlie golf lima kilo xray

0345:37 OMIC charlie golf lima kilo xray

0345:40 R12 yup i have i uh cleared him for the rnav at uh zero three
four three

18-004-ZOB

CGLKX

0345:48 OMIC what was the i d for the airport

0345:49 R12 port huron p h n

0345:53 OMIC okay and uh alright thanks

0345:54 R12 yeah

0345:55 OMIC yeah bye
0346

0346:36 CGLKX cleveland lima kilo xray

0346:38 R12 go ahead

0346:41 CGLKX i see no lights at the runway uh and i tried to turn them
on they don't turn on

0346:50 R12 charlie golf lima kilo xray uh roger they are not notamed
out and i don't have control over them i'm not sure--- do
you see the airport

0347:04 CGLKX negative (unintelligible)

0347:20 CGLKX i'm right above the airport on uh one engine so i'm gonna
make a slow turn (unintelligible) to reshoot that
approach

0347:26 R12 charlie golf lima kilo xray so you do see the airport now
that you're right above it

0347:32 CGLKX there's nothing lit up here sir
0348

0348:32 R12 charlie golf lima kilo xray there is a small private strip
that is south of your pos south of port huron by about uh
seven miles or so uh i don't know if you can get the
lights on th that i don't have a frequency i can work on
finding it for you if you still don't see the airport
0349

0349:35 R12 charlie golf lima kilo xray can you hear

0350

0351

0352

0352:26 R12 charlie golf lima kilo xray do you hear

0352:37 R12 united sixteen eleven can you do me a favor and switch to one two six point five for me

0352:45 UAL1611 sure

0352:53 UAL1611 united sixteen eleven's on twenty six fifty two

0352:55 R12 united sixteen eleven thank you can you try to see if you can uh raise uh charlie golf lima kilo xray who was inbound to port huron can you see if uh he responds to you please it's charlie golf lima kilo xray

0353:12 UAL1611 yeah will do and charlie golf lima kilo xray do you read united sixteen eleven

0353:32 UAL1611 charlie golf lima kila x kilo xray do you read united sixteen eleven

0353:49 UAL1611 doesn't appear to be working

0353:51 R12 thank you very much united sixteen eleven and uh descend and maintain flight level three two zero proceed direct ltour

0353:57 UAL1611 alright down to to three two oh direct ltour stay on this freq for you

0354:01 R12 yeah you can stay there

0354:03 UAL1611 alright down to three two oh thank you

0355

(0356-0359)

0400

0400:48 R12 detroit flint two

18-004-ZOB

CGLKX

0400:50 DET detroit

0400:51 R12 yeah are you still talking to two delta foxtrot there

0400:53 DET yes

0400:54 R12 will you check have him check for an e l t please

0400:56 DET i will right now hang on
0401

0401:27 DET jackson metro oh two or whoever was looking for the e l t
negative on the e l t from two delta fox

0401:32 R12 thanks

0401:33 DET (unintelligible)

0401:43 OMIC this is matt omic

0401:44 R12 yeah fifteen west southwest of selfridge out of seven
thousand negative e l t there

0401:49 OMIC negative e l t

0401:50 R12 yup

0401:51 OMIC okay

0401:52 R12 yes
0402
(0403-0405)
0406

0406:12 R12 london flint five eight

0406:22 YXU london

0406:23 R12 yeah you been sitting there last twenty minutes or so

0406:26 YXU oh at least

0406:27 R12 okay there is the port huron arrival that you gave me by chance what was the lowest altitude that you saw him did you watch him after left your airspace at all

0406:35 YXU um i watched him cross the boundary and i don't recall the altitude he was at

0406:40 R12 he crossed the boundary at four i know that but

0406:42 YXU yeah uh

0406:44 R12 (unintelligible) he got about six miles north of the field then he said he lost his engine and then he got over the field and said he couldn't see the airport so

0406:50 YXU oh dear did he make it in okay

0406:52 R12 no idea we haven't hear anything since though

0406:53 YXU oh dear okay i you know i got a playback uh thing here i let me look into it for you

0406:59 R12 okay thanks

0407
(0408-0410)
0411

0411:01 YXU flint sector london

0411:05 R12 flint

0411:06 YXU yeah the last hit we got on the radar was the london radar source and it was uh twenty seven hundred feet about two mile final

18-004-ZOB

CGLKX

0411:12 R12 twenty seven hundred about two mile final

0411:14 YXU that's correct

0411:15 R12 okay thanks
0412
(0413-0415)
0416

0416:08 R12 alright sectors are in the mids equipment is on the board weather this stuff down here they are deviating around even some of these higher guy are deviating around some of this stuff um but this stuff up here none of em really care about (unintelligible) and nobody's saying about anything about chop airports three map i l s five nine two seven are closed so no i l s selfridge is i l s one nine (unintelligible) military's none traffic north country is a point out he is going to go up to lansing area and then that way is what this guy next to you said you got arrival to detroit still over the fix i haven't gone direct (unintelligible) because of him i wasn't (unintelligible) but you can do what you want american is doing what it says left ponct when able this guy here uh we don't know so he hasn't cancelled

0417:10 R12R alright is dale checking on that

0417:12 R12 he his last preference was
0418
(0419-0437)
0438

0438:44 R12 metro five six flint

0438:46 DET metro

0438:47 R12 yeah i don't know if our sup uh might have got ahold of you guys yet but uh we have an aircraft that was going into port huron and uh he wound up having some issues uh we don't know if maybe you might oh uh seen anybody over on the northeast uh section there or a track coming talking to you guys coming inbound towards detroit

0439:09 DET no not at all did you lose him

0439:11 R12 um my understanding he was trying to land port huron was having some issues and then wound up losing an engine but there is still no e l t report yet i think they are going to try and send out an alnot right now

0439:22 DET okay let me ask this air royal what if he's got an e l t where he's at

0439:26 R12 okay appreciate it

0439:27 DET i t

0439:46 DET hey cleveland

0439:48 R12 yup i'm here

0439:49 DET okay both aircraft i have air royal and southwest uh negative on the e l t and uh nobody's called me for service around there

0439:56 R12 okay alright thanks

0439:57 DET (unintelligible) thank you
0440
(0441-0509)
0510

End of Transcript

SECTION 10.

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

Aircraft Identification	CGLKX
Date	9/6/2010
Airport	PHN

PORT HURON, MI		Phone No.	Time ^Z	Initials	
				Caller	Recipient
Airport Emergency Equipment	St. Clair Co. Central Dispatch	[REDACTED]	LAW 0400	VV	TONY
Additional Emergency Equipment	Kimball Fire Dept.	[REDACTED]	LAW 0400	VV	TONY
Search and Rescue		[REDACTED]	0419 aid ST 2	VV VV	RCC - Florida
*Washington Operations Center (WOC)		[REDACTED]	EST. 0430	VV	
Region Operations Center (ROC)		[REDACTED]	0416	VV	
[REDACTED]		[REDACTED]	EST. 0410	UM	
Air Traffic Manager	ATM - Mark Madden	[REDACTED]	EST. 0515	VV.	MARK-M.
Flight Standards District Office (FSDO)		[REDACTED]	0830	VV	SRT. Tel con
System Safety Investigations		[REDACTED]	0830	VV	SRT Tel con
National Transportation Safety Board (NTSB)		[REDACTED]	0830	VV	SRT Tel con
System Maintenance Organization Manager		[REDACTED]	0515		
Law Enforcement	St. Clair Co. Sheriff Dept.	[REDACTED]	0400	VV	TONY.
St. Clair Co. Emergency Mgmt.		[REDACTED]	ENFORCEMENT	VV	TONY.
National Weather Service (NWS)	DETROIT	[REDACTED]	EST- 1000	VV	STEVE.
Military Authority	ZOB MILITARY	[REDACTED]			
Airport Authority	Mgr. Kathy Reaume	[REDACTED]			
Aircraft Operator		[REDACTED]			
Operational Control Center (OCC)		[REDACTED]			
Airport Authority	Mgr. Kathy Reaume	[REDACTED]			
ZOB QC- Ron Lilly		[REDACTED]	EST 0515 Z 0400	VV	RON.
FSS Thru Lockheed Martin Operations, Ashburn, VA		[REDACTED]			
Marysville Police Department		[REDACTED]			

Date: 3/21/2018

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

CGLKX

SECTION 11.
Weather Products

KPHN 060455Z AUTO 01004KT 10SM BKN008 OVC012 21/20 A3015 RMK AO2
KPHN 060435Z AUTO 00000KT 10SM -RA BKN012 BKN050 BKN075 21/20 A3016 RMK AO2
KPHN 060415Z AUTO 02003KT 10SM -RA SCT050 SCT060 BKN100 21/20 A3015 RMK AO2
KPHN 060355Z AUTO 00000KT 7SM -RA SCT060 BKN085 BKN100 21/20 A3016 RMK AO2
KPHN 060335Z AUTO 00000KT 10SM RA SCT050 SCT070 BKN120 21/20 A3016 RMK AO2
KPHN 060315Z AUTO 00000KT 10SM -RA BKN050 BKN070 BKN090 21/20 A3017 RMK AO2
KPHN 060255Z AUTO 00000KT 10SM -RA SCT055 SCT080 BKN095 21/20 A3015 RMK AO2

I certify the attached copy of the weather products originated from the
Cleveland Center Weather Service Unit is an accurate copy of the original.

A black rectangular redaction box covering a handwritten signature.

Anthony McConaghy
Quality Control Support Specialist
Cleveland ARTCC

CYZR 060500Z AUTO 02008KT 9SM OVC009 22/21 A3015 RMK RVR MISG SLP208 DENSITY ALT 1200FT

CYZR 060441Z AUTO 04009KT 9SM BKN009 BKN150 BKN180 22/21 A3015 RMK RVR MISG SLP206
DENSITY ALT 1200FT

CYZR 060438Z AUTO 02009KT 9SM SCT009 BKN150 BKN180 22/21 A3015 RMK RVR MISG SLP207
DENSITY ALT 1200FT

CYZR 060400Z AUTO 35004KT 250V360 9SM -RA FEW011 SCT055 BKN100 OVC140 22/21 A3015 RMK
LTNG DIST E SE RVR MISG SLP208 DENSITY ALT 1200FT

CYZR 060358Z AUTO 35004KT 250V360 9SM -RA FEW011 SCT060 BKN100 OVC140 22/21 A3015 RMK
LTNG DIST E SE RVR MISG SLP208 DENSITY ALT 1200FT

CYZR 060354Z AUTO VRB02KT 9SM FEW011 SCT060 SCT110 OVC140 22/20 A3015 RMK LTNG DIST E SE
RVR MISG SLP210 DENSITY ALT 1200FT

CYZR 060351Z AUTO VRB02KT 9SM -RA FEW011 SCT060 SCT110 OVC140 22/20 A3016 RMK LTNG DIST E
SE RVR MISG SLP211 DENSITY ALT 1200FT

CYZR 060338Z AUTO VRB02KT 9SM -TSRA SCT060 BKN110 BKN140 22/21 A3016 RMK LTNG DIST E S RVR
MISG SLP211 DENSITY ALT 1200FT

CYZR 060318Z AUTO VRB05KT 9SM TS FEW060 SCT087 BKN110 BKN130 22/21 A3015 RMK LTNG DIST SE
S SW PRESRR RVR MISG SLP210 DENSITY ALT 1200FT

CYZR 060316Z AUTO 23004KT 220V020 9SM FEW075 SCT100 BKN120 22/20 A3015 RMK LTNG DIST SE S
SW PRESRR RVR MISG SLP209 DENSITY ALT 1200FT

CYZR 060300Z AUTO 33005KT 9SM -RA FEW075 BKN100 OVC120 22/21 A3013 RMK LTNG DIST SW W
RVR MISG SLP202 DENSITY ALT 1200FT

WAUS43 KPCI 060245

WA3Z

CHIZ WA 060245

AIRMET ZULU FOR ICE AND FRZLVL VALID UNTIL 060900

AIRMET ICE...IA MO WI LM MI LH IL IN

FROM 70SE SSM TO 30SW YVV TO 20WNW ECK TO 50SSE BDF TO 20N STL TO

20WNW SGF TO 20S BUM TO 20ENE DSM TO 30S DLL TO 70SE SSM

MOD ICE BTN 140 AND FL270. CONDS CONTG BYD 09Z THRU 15Z.

WSUS31 KPCI 060255

SIGE

MKCE WST 060255

CONVECTIVE SIGMET 7E

VALID UNTIL 0455Z

FL CSTL WTRS

FROM 70WNW PIE-80SW SRQ-30W EYW

LINE TS 45 NM WIDE MOV FROM 07015KT. TOPS ABV FL450.

* CONVECTIVE SIGMET 8E

VALID UNTIL 0455Z

OH MI IN IL LE LH LM

FROM 30ENE ECK-10SE DXO-40WNW BVT-20E ORD-30ENE ECK

AREA TS MOV FROM 25030KT. TOPS TO FL440.

SECTION 12.
NOTAMs

Query USNS

!PHN 08/003 PHN OBST TOWER LGT (ASR UNKNOWN) 425526.00N0832738.00W (3.1NM NE PHN) 872FT
(275FT AGL) OUT OF SERVICE 1808230129-1810230130

END OF DATA

18-004-ZOB

CGLKX

SECTION 13.

Other

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)

18-004-ZOB

CGLKX