

Specialist's Report – Attachment 3

Aircraft Accident Package

AIR TRAFFIC CONTROL

ERA21LA122



MIDWESTATC

7300 W. 129th Street
Overland Park, Kansas 66213
Tel. (913) 782-7082, Fax. (913) 897-9300

DATE: February 16, 2021

TO: Ryan Almasy, Acting Director, Eastern Service Center



FROM: Tim Pierce, Manager, Safety and Training, Midwest ATC Service Inc.

SUBJECT: Certification Statement
Aircraft Accident, N221ST
Worcester, MA, February 02, 2021

I certify that aircraft accident package, 21-001-ORH-FCT, has been reviewed and is complete.

21-001-ORH-FCT
N221ST

Copy

Aircraft Accident Package

21-001-ORH-FCT

N221ST, PA46

February 02, 2021, 2155 UTC

Destroy: February 02, 2026 UTC

SECTION 1.
Table of Contents

21-001-ORH-FCT
N221ST

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 Memoranda
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.	Flight Progress Strip(s) and/or In-Flight Contact Record(s)
SECTION 9.	FAA Form(s) 8020-3, Facility Accident/Incident Notification Record
SECTION 10.	Weather Products
SECTION 11.	Other

21-001-ORH-FCT

N221ST

SECTION 2.

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

21-001-ORH-FCT
N221ST

FAA Form 8020-6, Report of Aircraft Accident

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		REPORT DATE February 12, 2021		REPORT NO. 21-001-ORH-FCT					
REPORT OF AIRCRAFT ACCIDENT		NAME OF REPORTING FACILITY Worcester FCT (ORH)							
1. AIRCRAFT IDENTIFICATION AND TYPE N221ST, PA46		2. DATE/TIME OF ACCIDENT (UTC) February 2, 2021; 2155 UTC		3. LOCATION OF ACCIDENT: CITY, STATE (MAND) Worcester, MA					
4. NATURE OF ACCIDENT Aircraft crashed on approach due to unknown circumstances				LATITUDE/LONGITUDE (OPL) N42 16 27.0000 W071 56 39.0000					
				5. TYPE OF FLIGHT IFR Flight Plan					
6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN		
	Kevin Latraverse	Pilot	Sutton, MA				X		
7. PASSENGER DATA		NUMBER ABOARD AIRCRAFT	2	NUMBER UNINJURED	Unk	NUMBER INJURED	Unk	NUMBER FATALITIES	0
8. AIRCRAFT DAMAGE Substantial				9. PROPERTY DAMAGE Unknown					
10. OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS Normal									
11. WEATHER DATA (USE UTC DATE/TIME)	REPORT JUST PRIOR TO ACCIDENT WORCESTER METAR - 2154 UTC: wind zero three zero at one three gusts two zero, visibility five statute miles, light freezing rain, ceiling one thousand overcast, temperature minus one, dew point minus three, altimeter two nine three two								
	FIRST REPORT SUBSEQUENT TO ACCIDENT WORCESTER SPECI - 2221 UTC: wind zero one zero at one four gusts two one, visibility four statute miles, light snow, mist, ceiling one thousand overcast, temperature minus one, dew point minus three, altimeter two nine three two								
12. ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION		CHECK IF EYEWITNESS				
	Stephen Lorange *(LE)	ORH FCT	LC LC						
*OPERATING INITIALS									
13. SIGNATURE OF FACILITY MANAGER Christopher Canfield									

FAA Form 8020-6 (4-17) Supersedes Previous Edition

Electronic Version

21-001-ORH-FCT

N221ST

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE February 16, 2021	REPORT NO. 21-001-ORH-FCT
	NAME OF REPORTING FACILITY Worcester FCT (ORH)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT
February 02, 2021

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

2144 Bradley Approach Control (Y90) contacted ORH Local Control (LC) with an inbound on N221ST for the RNAV (Area Navigation) approach to Runway 11. LC acknowledged and advised that ATIS information Lima was pending.

2145 Y90 contacted LC to confirm receipt of N221ST intentions to make the RNAV 11 approach. LC confirmed receipt. LC contacted Y90 to inform them that information Lima was current on the ATIS, then LC broadcast the same on ORH tower frequency.

2153 N221ST contacted LC and reported one mile from the Final Approach Fix (FAF) for Runway 11. LC acknowledged and cleared N221ST to land.

2155 N221ST contacted LC and reported having a problem. LC asked N221ST what their intentions were, but initially received no response. LC attempted to contact N221ST again and N221ST reported ice in a broken transmission. Y90 contacted LC with a Low Altitude Alert for N221ST and advised LC to inform N221ST to check altitude immediately and to provide N221ST with the current airfield altimeter. LC issued the Low Altitude Alert and altimeter to N221ST.

2156 LC asked N221ST if additional services would be needed on landing, but received no response.

2157 LC contacted Y90 to see if they showed a radar target for N221ST west of the airfield. Y90 reported that there was no radar target. LC attempted to contact N221ST again, but received no response.

2158 Y90 contacted LC for an update on N221ST. LC responded that they had no contact with N221ST and that the aircraft reported icing in their last transmission.

2159 Y90 contacted LC for another update on N221ST. LC responded that they had no contact with the aircraft. LC declared an emergency for N221ST via the crash phone. LC then attempted to contact N221ST again, but received no response.

2201 LC attempted to contact N221ST, but received no response.

2202 Y90 contacted LC for an update and asked if emergency equipment was responding. LC advised that airfield emergency equipment was not responding since N221ST was not on the airfield, but that they were on standby. LC advised Y90 they would contact outside emergency services.

FAA Form 8020-6-1

21-001-ORH-FCT

N221ST

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE February 16, 2021	REPORT NO. 21-001-ORH-FCT
	NAME OF REPORTING FACILITY Worcester FCT (ORH)	
14. CHRONOLOGICAL SUMMARY OF FLIGHT LC then contacted the Worcester, MA Fire Department concerning N221ST. No More Follows		

FAA Form 8020-6-1
 21-001-ORH-FCT
 N221ST

SECTION 3.
Review of Services Memoranda

21-001-ORH-FCT
N221ST



7300 W. 129th Street
Overland Park, Kansas 66213
Tel. (913) 782-7082, Fax. (913) 897-9300

DATE: February 06, 2021

TO: Worcester FAA Contract Tower Aircraft Accident File 21-001-ORH-FCT

FROM: [REDACTED]
Christopher Canfield, Manager,
Worcester FAA Contract Tower , ORH FCT

SUBJECT: Review Of Services Memo
Aircraft Accident, N221ST
Worcester, MA, February 02, 2021

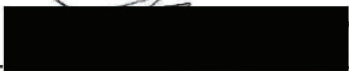
ORH FCT conducted a review of services concerning N221ST and was determined to have pertinent services. As the holding facility with pertinent services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies 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
UTC Time Conversion Chart

21-001-ORH-FCT
N221ST

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

21-001-ORH-FCT
N221ST

DAILY RECORD OF FACILITY OPERATION				PAGENO Page 1 of 1
				DATE Feb 2, 2021
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY AIR TRAFFIC MANAGER Chris Canfield
Worcester, MA	ORH	ATCT	CIC	
UTC TIME	REMARKS			
1135 1100 1130 E2	S. BIRSE ON. FCR 01 CURRENT: RY 11/29 CLSD EXCP 2 HR PPR. RY 15/33 CLSD. PWB CMPL. CRASH ALARM CHECK COMPLETE. RY 11 IN USE. WCLC. CFPL: TOWER SECURITY CAMERAS OTS. AOCC/DH CFPL: IDS-4 MONITOR AT LC PSN OTS, NOTIFIED TO/LP AND OCC/EGL. CFPL: TOWER MISSION SUPPORT COMPUTER MONITOR OTS. OCC/CFC CFPL: RY 11 LOCALIZER OTS. DOM/OCC NOTIFIED. -- SB			
E 1230	RY 29 GS OTS DUE TO SN, NOTIFIED BY OCC/AH. ADVISED TO/SLZ AND Y90/MH. -- SB			
1435	FCR 02 CURRENT: RY 11/29 CLSD EXCP 2 HR PPR CNLD. -- SB			
1548	E. HULL ON ,ABV NOTED, PWB CMPL. DALR CHECK COMPLETE. -- EH			
1947	FCR 03 CURRENT. -- EH			
2100	S. LORANGE ON, ABV NOTED. PWB CMPL. WCLC. -- LE			
2245	C.CANFIELD ON, ABV NOTED. PWB CMPL. -- EZ			
2300	S. LORANGE ON, ABV NOTED. -- LE			
M 0046	ORH-M-2021/02/02-0002 -- N221ST -- LE			
0200	COB. -- LE			
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

21-001-ORH-FCT
N221ST

SECTION 5.
Personnel Log(s)

21-001-ORH-FCT
N221ST



MIDWEST AIR TRAFFIC CONTROL SERVICE, INC.
BI-WEEKLY TIMESHEET

EMPLOYEE NAME: Susan Blise		PAY PERIOD: 4		STARTING PERIOD: 1/24/21	
EMPLOYEE NUMBER: 010118		NOTE: Sign in when you enter on duty, and sign out when you are terminating your duty status.		PERIOD ENDING: 2/5/21	
FACILITY ID: ORH		DO NOT SIGN IN AND OUT AT THE SAME TIME			
Date	Employee Signature	Time In	Time Out	TOTAL Hours	Vacation Hours
Sunday, January 24, 2021	[Signature]	1315	2115	8	
Monday, January 25, 2021	[Signature]	0615	1415	8	
Tuesday, January 26, 2021	[Signature]	0615	1415	8	
Wednesday, January 27, 2021	[Signature]	0615	1415	8	
Thursday, January 28, 2021	[Signature]	0615	1415	8	
Friday, January 29, 2021					
Saturday, January 30, 2021					
Sunday, January 31, 2021	[Signature]	1315	2115	8	
Monday, February 01, 2021	[Signature]	0615	1415	8	
Tuesday, February 02, 2021	[Signature]	0615	1415	8	
Wednesday, February 03, 2021					
Thursday, February 04, 2021					
Friday, February 05, 2021					
Saturday, February 06, 2021					

I hereby certify that all information on this timesheet is true and correct, and understand that falsifying information is grounds for immediate termination.

Employee Signature: [Signature] Date: 2/2/21

ATM/Supervisor Signature: [Signature] Date: 2/8/21

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21-001-ORH-FCT
N221ST



MIDWEST AIR TRAFFIC CONTROL SERVICE, INC.
BI-WEEKLY TIMESHEET

EMPLOYEE NAME: Christopher Canfield		PAY PERIOD: 4		STARTING PERIOD: 1/24/21				
EMPLOYEE NUMBER: 000837		NOTE: Sign in when you enter on duty, and sign out when you are terminating your duty status.		PERIOD ENDING: 2/6/21				
FACILITY ID ORH		DO NOT SIGN IN AND OUT AT THE SAME TIME						
Date	Employee Signature	Time In	Time Out	TOTAL Hours	Vacation Hours	Personal Hours	Holiday Hours (0800-1600)	Remarks
Sunday, January 24, 2021								
Monday, January 25, 2021		1500	1800	3				
Tuesday, January 26, 2021		0900	1700	8				
Wednesday, January 27, 2021		0900	1700	8				
Thursday, January 28, 2021		0900	1700	8				
Friday, January 29, 2021		0900	1700	8				
Saturday, January 30, 2021								
Sunday, January 31, 2021								
Monday, February 01, 2021		0900	1800	9				
Tuesday, February 02, 2021		0900	1700	8				
Wednesday, February 03, 2021		0900	1700	8				
Thursday, February 04, 2021		0900	1700	8				
Friday, February 05, 2021		0900	1700	8				
Saturday, February 06, 2021								

I hereby certify that all information on this timesheet is true and correct, and understand that falsifying information is grounds for immediate termination.

Employee Signature: _____ Date: 2/5/21

ATM/Supervisor Signature: _____ Date: 2/8/21

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PR 2700-10, Bi-Weekly Timesheet (1.2.15)

21-001-ORH-FC
N221ST



MIDWEST AIR TRAFFIC CONTROL SERVICE, INC.
BI-WEEKLY TIMESHEET

EMPLOYEE NAME: Eric Hull		PAY PERIOD: 4		STARTING PERIOD: 1/24/21	
EMPLOYEE NUMBER: 110313		NOTE: Sign in when you enter on duty, and sign out when you are terminating your duty status.		PERIOD ENDING: 2/6/21	
FACILITY ID ORH		DO NOT SIGN IN AND OUT AT THE SAME TIME			
Date	Employee Signature	Time In	Time Out	TOTAL Hours	Vacation Hours
Sunday, January 24, 2021	[Redacted]	1000	1800	8+00	
Monday, January 25, 2021	[Redacted]	1315	2115	8+00	
Tuesday, January 26, 2021	[Redacted]	1000	1800	8+00	
Wednesday, January 27, 2021	[Redacted]				
Thursday, January 28, 2021	[Redacted]				
Friday, January 29, 2021	[Redacted]	1315	2115	8+00	
Saturday, January 30, 2021	[Redacted]	1315	2115	8+00	
Sunday, January 31, 2021	[Redacted]	1000	1800	8+00	
Monday, February 01, 2021	[Redacted]	1315	2115	8+00	
Tuesday, February 02, 2021	[Redacted]	1600	1800	6+00	
Wednesday, February 03, 2021	[Redacted]				
Thursday, February 04, 2021	[Redacted]				
Friday, February 05, 2021	[Redacted]	1315	2115	8+00	
Saturday, February 06, 2021	[Redacted]	1315	2115	8+00	
I hereby certify that all information on this timesheet is true and correct, and understand that falsifying information is grounds for immediate termination.					
Employee Signature: [Redacted]		Date: 02/05/2021			
Unless otherwise noted above, I certify this individual of this timesheet will result in discipline up to and including immediate termination.					
ATM/Supervisor Signature: [Redacted]		Date: 2/8/21			
Information contained and proprietary in nature. Any reproduction, retransmission, or republication of all or part of the information contained within this document is strictly prohibited.					

21-001-ORH-FCT
N221ST



MIDWEST AIR TRAFFIC CONTROL SERVICE, INC.
BI-WEEKLY TIMESHEET

EMPLOYEE NAME: Stephen Lorange		PAY PERIOD: 4		STARTING PERIOD: 1/24/21				
EMPLOYEE NUMBER: 110150		NOTE: Sign in when you enter on duty, and sign out when you are terminating your duty status.		PERIOD ENDING: 2/6/21				
FACILITY ID: ORH		DO NOT SIGN IN AND OUT AT THE SAME TIME						
Date	Employee Signature	Time In	Time Out	TOTAL Hours	Vacation Hours	Personal Hours	Holiday Hours (0800-1600)	Remarks
Sunday, January 24, 2021								
Monday, January 25, 2021								
Tuesday, January 26, 2021		1315	2115	8				
Wednesday, January 27, 2021		1315	2115	8				
Thursday, January 28, 2021		1315	2115	8				
Friday, January 29, 2021		1000	1820	8				
Saturday, January 30, 2021								
Sunday, January 31, 2021								
Monday, February 01, 2021								
Tuesday, February 02, 2021		1315	2115	8				
Wednesday, February 03, 2021		1315	2115	8				
Thursday, February 04, 2021		1315	2115	8				
Friday, February 05, 2021		1600	1820	8				
Saturday, February 06, 2021		0615	1415	8				

I hereby certify that all information on this timesheet is true and correct, and understand that falsifying information is grounds for immediate termination.

Employee Signature: _____ Date: 2/6/21

ATM/Supervisor Signature: _____ Date: 2/8/21

Information contained within this document is strictly prohibited.

SECTION 6.

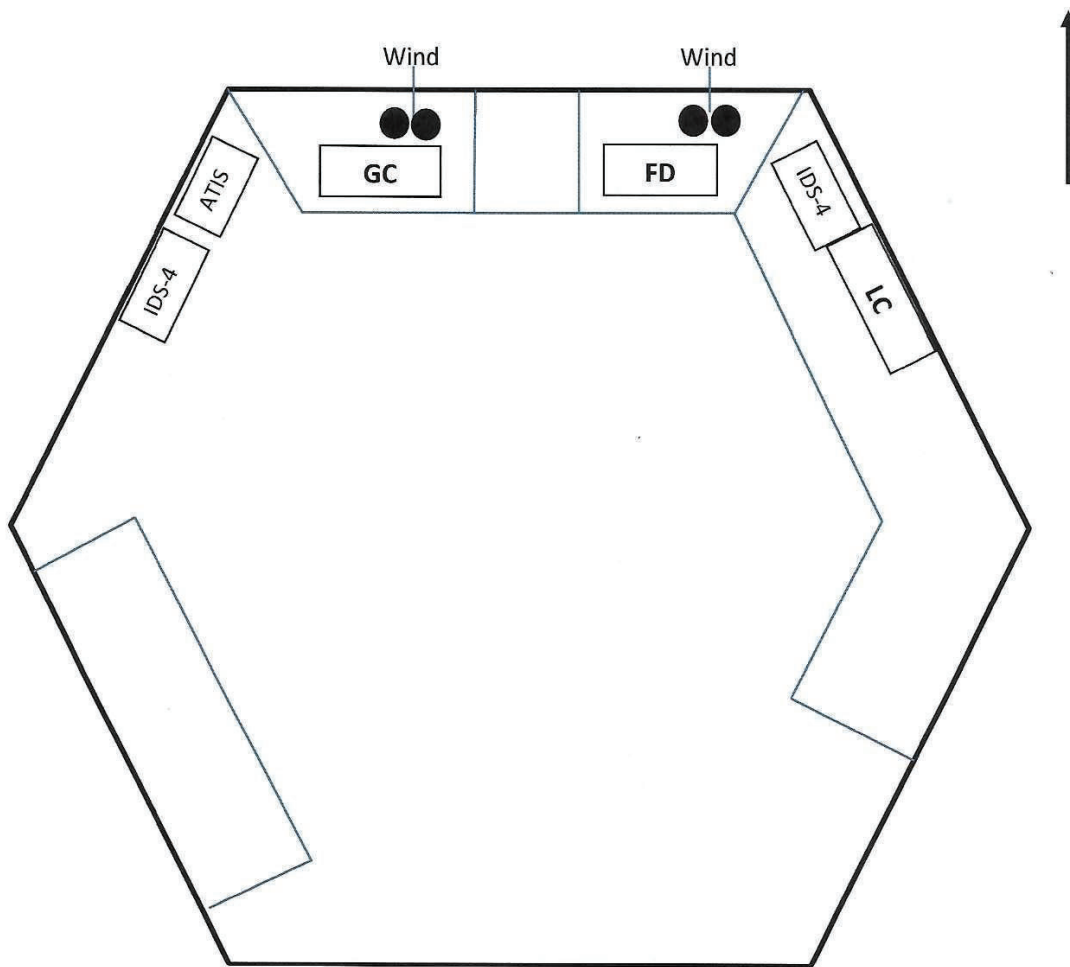
FAA Form(s) 7230-10, Position Log, or automated equivalent

21-001-ORH-FCT
N221ST

SECTION 7.
Facility Layout Chart(s)

21-001-ORH-FCT
N221ST

Worcester FCT Layout



21-001-ORH-FCT
N221ST

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

21-001-ORH-FCT
N221ST

Flight Progress Strip
Worcester Regional Airport FCT February 02, 2021 UTC

N221ST 2 PA46/G 199		5330 PVD KORH	A2147	IFR ORH	<i>no crash</i> <i>2705 fire debris</i> <i>301</i> E RWAN 11	253 53	✓
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21-001-ORH-FCT
N221ST

SECTION 9.

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

21-001-ORH-FCT
N221ST

SECTION 10.
Weather Products

21-001-ORH-FCT
N221ST

Worcester FCT

Weather Products 2/2/2021 UTC

METAR KORH 022154Z 03013G20KT 5SM -FZRA OVC010 M01/M03 A2932 RMK AO2 UPE36FZTAB36
CIG 008V013 SLP942 P0000 I1001 T10061033

SPECI KORH 022221Z 01014G21KT 4SM -SN BR OVC010 M01/M03 A2932 RMK AO2
FZRAE15SNB15 CIG 006V013 P0000 I1000 T10061028

I certify the attached copy of the METARs originated from the APG-link to
archived weather is an accurate copy of the original.

A black rectangular redaction box covering a signature.

Tim Pierce
Manager, Safety and Training
Worcester FCT

21-001-ORH-FCT
N221ST

SECTION 11.

Other

21-001-ORH-FCT
N221ST

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)

21-001-ORH-FCT

N221ST