

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

AIRPORT	AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
	9Y1	RNAV (GPS) RWY 31	ORIG	KILLDEER	ND
AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR
2249	2249				7E
FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE		EPOCH YEAR
RNAV		28 JANUARY 2021	ROUTINE		2020

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 217/30 CW 036/30	NOPT	WENEK	IF/IAF	4800
2. 036/30 CW 217/30		WENEK	IF/IAF	4800

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WENEK	IF/IAF	HETON		TF	FB		306.62	5.99	4000
HETON	FAF	RW31		TF	FB		306.56	5.39	
RW31	MAP	2649 MSL		CA			306.56		
2649 MSL		JURMI		DF	FO				4800

MISSED APPROACH

MAP:

LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4800 DIRECT JURMI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** **(IAF)**
- HOLD SE WENEK, RT, 306.62 INBOUND, 4800 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 306.56 **FAF:** HETON **DIST FAF TO MAP:** 5.39 **DIST FAF TO THLD:** 5.39
- MIN ALT:** WENEK 4800, HETON 4000
- DIST TO THLD FROM FAF:** **MM:** **IM:** **150 HAT:** **HAT:**
- MIN GP INCPT:** **GP ALT AT FAF:** **MM:** **IM:**
- GP ANGLE:** **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 40
- MSA FROM:**

PBN EQUIPMENT REQUIREMENTS NOTES:

RNP APCH

NOTES:

CHART NOTE: USE WATFORD CITY ALTIMETER SETTING, WHEN NOT RECEIVED, USE DICKINSON ALTIMETER SETTING: INCREASE ALL MDAS 40 FEET AND VISIBILITY CAT B 1/4 SM; INCREASE CIRCLING VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT 126.31 INBOUND
 CHART FAS OBST: 2520 TWR 472138N/1024355W
 FAS OBST: 2539 AAO 471932N/1023949W
 CHART: 3629 TWR 4726520N/1025515W
 HETON TO RW31: 3.00/40
 CHART CIRCLING ICON
 NON-FAA PROCEDURE

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA

CATEGORY:

<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>A VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>B VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>C VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>D VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>E VIS</u>	<u>HAT/HAA</u>
LNAV MDA	2960	1	711	2960	1	711	2960	2	711		NA				
CIRCLING	2960	1	711	2960	1	711	2960	2	711		NA				

CHANGES - REASONS

ORIG

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZMP, AMGR, N.D. DEPT OF AERONAUTICS

FLIGHT CHECKED BY

CHRISTIAN F. BAUR

Chris Baur Digitally signed by Chris Baur
Date: 2020.11.11 09:21:46 -05'00'

OFFICE

HAC

DATE

08/10/2020

DEVELOPED BY

BRIAN BERUBEE

Brian Berubee Digitally signed by Brian Berubee
Date: 2020.11.11 09:23:17 -05'00'

OFFICE

HAC

DATE

07/08/2020

APPROVED BY

BRIAN BERUBEE

Brian Berubee Digitally signed by Brian Berubee
Date: 2020.11.11 09:23:44 -05'00'

OFFICE

HAC

DATE

09/18/2020

TITLE

CHIEF DESIGNER