

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) 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.

<u>AIRPORT ID</u> GYL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> GLENCOE	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 993	<u>TDZE</u> 993	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 02/01/2018
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 3E
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MAYER		AKIRE		TF	FO	1.00	254.61	13.93	3000
HAJIS	IAF	AKIRE	NOPT	TF	FB	1.00	041.81	13.45	3000
AKIRE	IF/IAF	BOUGH		TF	FB	1.00	123.43	6.08	2600
BOUGH	FAF	ERUDE/1.80 NM TO RW13		TF	FB	0.30	123.50	3.12	
ERUDE/1.80 NM TO RW13		RW13	MAP	TF	FO	0.30	123.50	1.80	
RW13	MAP	1274 MSL		CA			123.50		
1274 MSL		OYITE		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW13

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT OYITE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- |   |                            |                |                       |                        |         |
|---|----------------------------|----------------|-----------------------|------------------------|---------|
| 1. PT   | SIDE OF COURSE             | OUTBOUND       | FT WITHIN             | MILES OF               | (IAF)   |
| 2. HOLD NW AKIRE, RT, 123.43 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000. |                            |                |                       |                        |         |
| 3. FAC: 123.50  | FAF: BOUGH                 |                | DIST FAF TO MAP: 4.92 | DIST FAF TO THLD: 4.92 |         |
| 4. MIN ALT: AKIRE 3000, BOUGH 2600, ERUDE/1.80 NM TO RW13 1600                |                            |                |                       |                        |         |
| 5. DIST TO THLD FROM OM:  | MM:                        | IM:            | 150 HAT:              | 281 HAT: 0.76          | GS ANT: |
| 6. MIN GP INCPT: 2600   | GP ALT AT PFAF: BOUGH 2600 |                |                       | OM:                    | MM:     |
| 7. GP ANGLE: 3.00   | 34:1: IS NOT CLEAR         | 20:1: IS CLEAR | TCH: 40.0             |                        | IM:     |
| 8. MSA FROM: RW13 2800  |                            |                |                       |                        |         |



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HUTCHINSON ALTIMETER SETTING.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAYER ON V148 NORTHEAST BOUND.  
CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HUTCHINSON ALTIMETER SETTING; INCREASE LPV DA TO 1317; INCREASE LNAV/VNAV DA TO 1403; AND INCREASE ALL MDA 60 FEET.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 303.70 INBOUND.  
CHART FAS OBST: 1103 TREE (27-071815) 444614N/0940701W.  
CHART VDP AT 1.06 NM TO RW13.  
WAAS CHANNEL # 99437  
REFERENCE PATH ID: W13A  
CHART CIRCLING ICON.  
LTP HAE: 274.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1274	1	281	1274	1	281		NA			NA				
LNAV/VNAV DA	1360	1	367	1360	1	367		NA			NA				
LNAV MDA	1360	1	367	1360	1	367		NA			NA				
CIRCLING	1420	1	427	1480	1	487		NA			NA				



CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED DWN VORTAC IAF SEGMENT FROM PROCEDURE - DWN VORTAC VOR MON NATL PROGRAM.  
2. TERMINAL ROUTES: CHANGED CA ALT FROM 1246 TO 1274 - BASED ON LPV DA.  
3. PROFILE LINE 2: ADDED MAX HOLDING 6000 – REQUIRED PER CURRENT CRITERIA, IAW 8260.19H, 8-6-7, B(2).  
4. PROFILE LINE 4: REMOVED "" FROM "AKIRE 3000, BOUGH 2600, ERUDE/1.80 NM TO RW13 1600" - NO LONGER REQUIRED BY CURRENT CRITERIA.  
5. PROFILE LINE 5: ADDED "281 HAT: 0.76" - PER 8260.19I 8-6-7E(3).  
6. REMOVED "DME/DME RNP - 0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE - PER 8260.19I, 8-6-8B2.  
7. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C(4°F) OR ABOVE 54°C(130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" - IAW 8260.19I, 8-6-9 (R).  
8. MOVED BACK-UP ALTIMETER NOTE AND BARO-VNAV AND VDP NOTE FROM -9 PART C: GENERAL REMARKS TO NOTES - PER ZMP REQUEST.  
9. ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAYER ON V148 NORTHEAST BOUND" - TURN IS GREATER THAN 90 DEGREES.  
10. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "1094 TREE 444518N/0940510W" TO "1103 TREE (27-071815) 444614N/0940701W" - NEW CONTROLLING OBSTACLE.  
11. ADDITIONAL FLIGHT DATA: REMOVED DISTANCE TO THLD FROM 253 HAT: 0.67 NM - CURRENTLY DOCUMENTED ON PROFILE LINE 5.  
12. ADDITIONAL FLIGHT DATA: REMOVED "LNAV ONLY" AND CHANGED FROM "CHART VDP AT 1.06 NM TO RW13" TO "CHART VDP AT 1.06 NM TO RW13" - NO LONGER REQUIRED; IAW 8260.19I 8-6-7D AND 8-6-10M (MEMO).  
13. CHANGED ALTERNATE MINIMUMS FROM "STANDARD" TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - IAW 8260.19I, PARA 8-6-11B(5).  
14. CHANGED LPV ALL CATS MINIMUMS DA/HAT FROM 1270/277 TO 1274/281 - NEW MISSED APPROACH PENETRATION.  
15. CHANGED LNAV/VNAV ALL CATS MINIMUMS DA/HAT FROM 1246/253 TO 1360/367 - NEW CONTROLLING OBSTACLE, CANCEL T-NOTAM 3/3007 AND 4/8375.  
16. CRC REMINDER CHANGED FROM "12478052" TO "8CA0792F" - LTP/FTP COORDINATES CHANGED FROM "444531.3280N/0940511.6260W" TO "444531.3250N/0940511.6260W" AND FPAP COORDINATES FROM "444438.2450N/0940331.2120W" TO "444438.2475N/0940331.2055W"

COORDINATED WITH:

A4A

ALPA

☒

AOPA

☒

APA

HAI

NBAA

☒

OTHER:

ZMP, MSP APP CON, AMGR

FLIGHT CHECKED BY

MICHAEL A GREENWOOD

Digitally signed by

CASIMIR L TABAKA

Mar 20, 2024

OFFICE

FPO

DATE

03/19/2024

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by

CASIMIR L TABAKA

Feb 01, 2024

OFFICE

AJV-A432

DATE

10/05/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Feb 01, 2024

OFFICE

AJV-A432

DATE

05/16/2024

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGYL
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	444531.3250N
LTP/FTP LONGITUDE	0940511.6260W
LTP/FTP ELLIPSOIDAL HEIGHT	+02749
FPAP LATITUDE	444438.2475N
FPAP LONGITUDE	0940331.2055W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8CA0792F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03025
FPAP ORTHOMETRIC HEIGHT	+03025



# FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
GYL	RNAV (GPS) RWY 13	ORIG-B	GLENCOE	MN	993	RNAV

## PART A: OBSTRUCTION DATA SEGMENTS

### FEEDER

**FROM** MAYER **TO** AKIRE

RNP 1.00 DISTANCE 13.93 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (27-001331)	445502.00N/0941050.00W	1529	500	50	5D	1000				AT471	3000
TERRAIN	445318.00N/0941718.00W	1116 (1100)								AS1500	2600

## COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

### SEGMENT REMARKS:

### INITIAL

**FROM** HAJIS **TO** AKIRE

RNP 1.00 DISTANCE 13.45 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
T-L TWR (27-020552)	444958.00N/0941650.67W	1389	250	50	4D	1000				AT611	3000
TERRAIN	445318.00N/0941718.00W	1116 (1100)								AS1500	2600

## COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

### SEGMENT REMARKS:



INTERMEDIATE

FROM

AKIRE

TO

BOUGH

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.08										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
T-L TWR (27-020552)	444958.00N/0941650.67W	1389	250	50	4D	500					1900
TERRAIN	445318.00N/0941718.00W	1116 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

BOUGH

TO

RW13

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.92		DA				281				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (27-033209)	444547.72N/0940545.45W	1074	20	3	1A		34.00:1			MA31	1274

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

BOUGH

TO

RW13

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.92		DA				367				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
POLE (27-071841)	444630.92N/0940600.14W	1097	20	3	1A		23.34:1				1360

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

BOUGH

TO

ERUDE/1.80 NM TO RW13

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	3.12										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	444745.00N/0941048.00W	1254	215	8	4B	250				RA60 DG36	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

ERUDE/1.80 NM TO RW13

TO

RW13

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	1.80		RW13				367				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (27-071815)	444613.82N/0940700.70W	1103	20	3	1A	250					1360

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

AKIRE

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (27-001989)	445552.00N/0942056.00W	1419	250	50	4D	1000				AT581	3000
TERRAIN	445712.00N/0941827.00W	1182 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

OYITE

<u>RNP</u> 0.30	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1073			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (27-035920)	444548.66N/0940547.44W	1074	20	3	1A		ASC				3000
AAO	443909.00N/0935603.00W	1227	215	8	4B	1000					1300
TERRAIN	444621.00N/0940603.00W	1030 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:





MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

OYITE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30											1218
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
AAO	443909.00N/0935603.00W	1227	215	8	4B	1000					1300
TERRAIN	444621.00N/0940603.00W	1030 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW13

TO

OYITE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1260
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
AAO	443909.00N/0935603.00W	1227	215	8	4B	1000					1300
TERRAIN	444621.00N/0940603.00W	1030 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☐ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
POLE (27-071798)	444630.83N/0940519.11W	1.30	427	1110	20	10	1B	300			1420
CATEGORY B											
TOWER (27-023418)	444633.07N/0940251.20W	1.84	487	1179	20	10	1B	300			1480

CIRCLING REMARKS:

MSA

CENTER

RW13

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (27-001698)	450243.00N/0943333.00W	308	26.5	1729	500	50	5D	1000			2800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

MSP APP CON, ZMP ARTCC, PNM FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3	GYL	24	GYL	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3	HCD	24	HCD	14.29	Y	43

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
KGYL 993, KHCD 1062  
RA = 42.7.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
-----------------------	----------------------	----------------------	------------

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW13 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)	NPI-G	
RW31 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	992.4	40.0			3.00	28.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-16C	+54C	-16C	+13.03C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 718 HIGH TEMP 1138.



"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV/VNAV & LNAV	
34:1		
1066 TREE (27-071787) 444548.0800N/0940537.3500W (5.91)		1062 TREE (27-037940) 444548.7300N/0940535.2500W (4.33)
1053 TREE (27-032853) 444547.9000N/0940531.7100W (2.84)		1045 TREE (27-032850) 444545.4500N/0940530.0700W (1.98)
1073 TREE (27-071620) 444547.4900N/0940544.5500W (1.68)		1027 TREE (27-038003) 444539.9100N/0940525.5900W (1.45)
1073 TREE (27-071727) 444548.0200N/0940544.4200W (0.96)		1074 TREE (27-033209) 444547.7200N/0940545.4500W (0.74)

PENETRATIONS REMARKS:

PER IFP CHECKLIST LPV AND LNAV/VNAV VGS PENETRATIONS FIXED BY FUNCTION:

27-071292 LIGHTING 444531.680N/0940511.430W 994 MSL (1A) 1.25 PENETRATION  
27-071313 LIGHTING 444531.520N/0940511.600W 994 MSL (1A) 1.25 PENETRATION  
27-071334 LIGHTING 444531.090N/0940512.050W 994 MSL (1A) 1.24 PENETRATION  
27-023430 ELECTRICAL SYSTEM 444531.250N/0940511.890W 993 MSL (1A) 0.23 PENETRATION  
27-071565 LIGHTING 444532.170N/0940511.450W 994 MSL (1A) 0.18 PENETRATION

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PER IAP CHECKLIST VEGETATION 50 FT.

VISIBILITY MINIMUMS LIMITED TO 1 SM PER ADO.

ZMP REQUESTS PUBLICATION OF SECONDARY ALTIMETER NOTES ON CHART. DO NOT MOVE TO -9.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.35
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	126.49
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1100
DISTANCE FROM	THLD	TO 1500FT POINT	4.92
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.14
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	126.49
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1100

THRESHOLD COORDINATES (IF STR-IN)	444531.33N/0940511.63W
ARP COORDINATES	444521.62N/0940453.26W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 13 DISTANCE 0.27 NM
FAF COORDINATES	444827.12N/0941044.86W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (SILVIA YOUNG)	AJV-A432	10/05/2023	AERONAUTICAL INFORMATION SPECIALIST

