

Flight Procedure Tracking Form		Action: FLIGHT CHECK	Task Type: NIGHTEVAL	Date Open: 04/07/2016	Task #: 2014101734360903001	Request #: 20141017343609
Procedure: EVAL K4V0 NIGHTEVAL 2016				Airport ID: K4V0	Airport: RANGELY	Reimbursable #: NO
City: RANGELY	ST: CO	GPS #:	Estimated Chart Date: 06/20/2019		FICO #:	
Fac ID: N/A		Fac. Type:			Specialist: KISSY MAXFIELD	
Procedure Review						
	Rec'd	Rel'd	Full Name	Comments		
Lead:	08/31/2017	05/25/2018	TRACEY STILES			
QA:	05/25/2018	05/25/2018	TRACEY STILES			
Liaison:	05/25/2018	05/29/2018	MARY MCDONALD			
Procedure Comments:			ENROUTE-NON	Remark Type: INFORMATION		
ESTABLISHING NIGHTEVAL FOR EXISTING APPROACHES NOT BEING AMENDED. CONTACT LONNIE EVERHART: 405.954.4576						

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, 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 in feet RVR.															
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW07 CLIMB TO 5700 THEN CLIMBING RIGHT TURN TO 10800 DIRECT ELIZZ AND HOLD. **MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 425 FT PER NM TO 8200 FT. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 323.00 INBOUND. FAS OBST: 5859 AAO 400451N/1085347W. 5942 AAO 400315N/1085415W. CHART VDP AT 5.87 NM TO RW07* *LNAV ONLY. WAAS CHANNEL # 99541 REFERENCE PATH ID: W07A CHART CIRCLING ICON. DISTANCE TO THLD FROM 350 FT HAT: 1.01 NM LTP HAE: 1579.8 M									
BONGO (IAF)		IDTOJ (TF) (FB) (RNP 1.00)		096.33 / 16.08				8200											
ELIZZ (IAF)		IDTOJ (TF) (FB) (RNP 1.00)		032.01 / 13.90				8200											
IDTOJ (IF)		UGXER (TF) (FB) (RNP 1.00)		067.25 / 5.00				7400											
UGXER (FAF)		RW07 (MAP) (TF) (FO) (RNP 0.30)		067.32 / 6.66															
RW07 (MAP)		5700 MSL (CA)		067.32															
5700 MSL		ELIZZ (DF) (FO) (RNP 1.00)						10800											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT IDTOJ 3. FAC: 067.32 FAF: UGXER DIST FAF TO MAP: 6.66 THLD: 6.66 4. MIN. ALT: IDTOJ 8200, UGXER 7400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 7400 GS ALT AT: UGXER 7400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW07 10300																MAG VAR: 10E		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		@									
CATEGORY =====>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA**	5599	1	350	5599	1	350	5599	1	350		NA								
LPV DA	6013	2 1/2	764	6013	2 1/2	764	6013	2 1/2	764		NA								
LNAV/VNAV DA	6041	2 1/2	792	6041	2 1/2	792	6041	2 1/2	792		NA								
LNAV MDA	7180	1 1/4	1931	7180	1 1/2	1931	7180	3	1931		NA								
CIRCLING	7180	1 1/4	1902	7180	1 1/2	1902	7180	3	1902		NA								
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -28C (-18F) OR ABOVE 54C (130F). @ CAT A, B 2000-2, CAT C 2000-3 CHART NOTE: CIRCLING RWY 25 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BONGO ON V200 WESTBOUND.																			
CITY AND STATE		ELEVATION: 5278 TDZE: 5249				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG				SUP:							
RANGELY, CO		AIRPORT NAME: RANGELY										AMDT: NONE							
												DATED							



ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div></div>		AAT <div></div>		ALPA <div>X</div>	
APA <div></div>		AOPA <div>X</div>		NBAA <div>X</div>	
OTHER (specify) <div>WST, ZDV</div>					
FLIGHT CHECKED BY					
NAME:		JOEL F HAWKLEY		DAVID TEFFETELLER Apr 23, 2018	
				FIFO FICO	
				DATE: 3/22/18	
DEVELOPED BY					
NAME:		DAVID TEFFETELLER (FRANK MOORE)		DAVID TEFFETELLER Apr 23, 2018	
				FIFO AJV-5433	
				DATE: 10/02/2017	
APPROVED BY					
NAME:		PATRICK MULQUEEN		DAVID TEFFETELLER Apr 23, 2018	
				MANAGER	
				FIFO AJV-5430	
				DATE:	
CHANGES:					
ORIGINAL.					
REASONS:					



**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4V0
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	400531.4320N
LTP/FTP LONGITUDE	1084627.1915W
LTP/FTP ELLIPSOIDAL HEIGHT	+15798
FPAP LATITUDE	400550.8530N
FPAP LONGITUDE	1084433.8760W
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	0800
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

E85F9E1A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+15964
FPAP ORTHOMETRIC HEIGHT	+15964

CITY AND STATE

RANGELY, CO

ELEVATION: 5278

TDZE: 5249

AIRPORT NAME:

RANGELY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, ORIG

SUP:

AMDT:

DATED:

QUALITY
10
CHECKED

NONE

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>					
COORDINATED WITH:					
<div>ATA</div> <div><input type="checkbox"/></div>		<div>AAT</div> <div><input type="checkbox"/></div>		<div>ALPA</div> <div><input type="checkbox"/></div>	
		<div>APA</div> <div><input type="checkbox"/></div>		<div>AOPA</div> <div><input type="checkbox"/></div>	
		<div>NBAA</div> <div><input type="checkbox"/></div>		<div>OTHER (specify)</div> <div><input type="checkbox"/></div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.			
INITIAL	BONGO	IDTOJ	1. AAO	400112.00N/1090027.00W	6172 (3E)	1000	AT1028	8200			
			2. TERRAIN	400157.00N/1090230.00W	5942 (5900)		AS1500	7400			
INITIAL	ELIZZ	IDTOJ	3. AAO	395803.00N/1090424.00W	6782 (2E)	1000	AT418	8200			
			4. TERRAIN	395803.00N/1090424.00W	6582 (6600)		AS1500	8100			
INTERMEDIATE	IDTOJ	UGXER	5. AAO	400024.00N/1090048.00W	6457 (3E)	500	AC125 GS318	7400			
			6. TERRAIN	400424.00N/1085727.00W	6136 (6100)		AS1000	7100			
FINAL: LPV**	UGXER	DA	7. VEGETATION (08-034313)	400527.13N/1084629.67W	5267 (1A)	34:1	MA319	5599/350			
FINAL: LPV	UGXER	DA	7. VEGETATION (08-034313)	400527.13N/1084629.67W	5267 (1A)	34:1	MA746	6013/764			
FINAL: LNAV/VNAV	UGXER	DA	8. POLE (08-021814)	400445.34N/1084742.79W	5470 (1A)	23.75:1	MA226	6041/792			
FINAL: LNAV	UGXER	RW07	9. AAO	400451.00N/1085347.00W	5859 (2C)	250	XL34 MA1037	7180			
2. PROCEDURE TURN											
3. MISSED APPROACH	MAP:	RW07	ELIZZ	10. TREE	400445.65N/1084135.50W	6693 (2C)	ASC	10800			
				11. AAO	395953.00N/1084039.00W	7805 (2C)	1000	8900			
	ELEV:	5341/5590/5892/7046		12. TERRAIN	395953.00N/1084039.00W	7605 (7600)		AS1500 9100			
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.									
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	1902	13. TREE (08-043834)	400706.41N/1084437.90W	6029 (1B)	300	SI	7180
CATEGORY B	1.5 NM		450		1902	14. TREE (08-058118)	400741.58N/1084419.40W	6291 (1B)	300	SI	7180
CATEGORY C	1.7 NM		450		1902	10. TREE	400445.65N/1084135.50W	6693 (2C)	300	SI	7180
CATEGORY D	2.3 NM		550								
CATEGORY E	4.5 NM		550								
5. MINIMUM SAFE ALTITUDES				PRIMARY NAVAIID: RW07							
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A		
360-360	AAO	158/26.6	9265 (3E)	10300							
CITY AND STATE		ELEVATION: 5278		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION			
RANGELY, CO		AIRPORT NAME: RANGELY		RNAV		RNAV (GPS) RWY 7, ORIG		ANM			

QUALITY
10
CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: CRITICAL TEMPERATURES: CRITICAL LOW :-28C (-18F) CRITICAL HIGH :+54C (+130F) ACT :-28C APT ISA :-32.55C CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2012-2016). CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 880 HIGH TEMP 1193. ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.43NM CAT B: 2.05NM CAT C: 3.25NM SEE ATTACHED AIRSPACE LETTER. RASS PRESSURE PATTERNS THE SAME K4V0 5278, KVEL 5278 RA = 92.3. PRECIPITOUS TERRAIN EVALUATION COMPLETED. VGSI DATA: 3.00/40.0 LPV OCS SURFACE = 34:1 LNAV/VNAV OCS SURFACE = 23.75:1 VEGETATION: 30 FT PER FPT. BARO-VNAV AND VDP NA WHEN USING VERNAL ALTIMETER SETTING. WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VERNAL ALTIMETER SETTING AND INCREASE ALL DAS 93 FT, MDAS 100 FT; INCREASE **LPV ALL CATS VISIBILITY 3/8 SM AND LNAV/VNAV ALL CATS VISIBILITY 1 1/2 SM. 25.49 BANK ANGLE USED FOR MISSED APPROACH TO AVOID HIGH TERRAIN. MISSED APPROACH OBSTRUCTIONS RAISING DA/MDA'S; LPV - AAO 6693 (2C) 400445.65N/1084135.50W LNAV/VNAV - AAO (08-057863) 5917 (1B) 400341.77N/1084700.64W LNAV - AAO 7781 (2C) 400036.00N/1084106.00W VISUAL PORTION OF FINAL PENETRATIONS: CIRCLING RWY 25: 20:1 5287 VERTICAL POINT (08-034209) 400545.73N/1084502.83W (3.88) ORDER 8260.3 CHAPTER 2 APPLIED TO 5942 AAO 400315N/1085415W. <div>QUALITY 10 CHECKED</div>																			
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE															3. ALTIMETER SETTING									
ZDV ARTCC							N W S													OTHER: AWOS-3PT									
							F A A																						
							A / C																						
SATISFACTORY ON:																				LOCATION: K4V0					ADJUSTMENT: 0 / 93				
4. MONITOR STATUS		PRIMARY NAVAID:																											
		MONITOR POINT:																											
		HRS OPTN:		CAT 1																									
				CAT 3																									
5. APPROACH & RUNWAY LIGHTING		ALS																											
		(S) SALS																											
		MALS																											
		HIRL																											
		X		MIRL 07 (PCL), 25 (PCL)																									
		X		REIL 07 (PCL), 25 (PCL)																									
				TDZ																									
				C/LINE																									
		X		OTHER (SPECIFY) PAPI-2L 07																									
6. RUNWAY MARKINGS		BASIC																											
		ALL WEATHER																											
		INSTRUMENT NPI-G 07, 25																											
7. RUNWAY VISUAL RANGE		APPROACH																											
		MIDFIELD																											
		ROLL OUT																											
8. GLIDE PATH		GP ANGLE: 3.00							ELEV RWY THRESHOLD: 5237.4																				
		DISTANCE FROM RWY:							ELEV GP ANTENNA:																				
		THRESHOLD CROSSING HEIGHT: 40.0																											
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD FT. FROM THRESHOLD																							
				X		ON CENTERLINE FT. FROM CENTERLINE																							
10. WAIVERS: NONE																													
PART D - PREPARED BY: DAVID TEFFETELLER (FRANK MOORE)										DATE: 10/02/2017																			
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5433																			

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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 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</u> RANGELY	<u>AIRPORT ID</u> K4V0	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> RANGELY	<u>STATE</u> CO	
<u>AIRPORT ELEVATION</u> 5278	<u>TDZE</u> 5278	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u> 10E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
STRIM	IAF	YOWES		TF	FB	1.00	231.68	31.26	9800
YOWES		WEGIB		TF	FB	1.00	231.30	2.40	9100
EKR VOR/DME	IAF	OVGIW		TF	FB	1.00	279.86	24.58	9700
OVGIW		WEGIB		TF	FB	1.00	279.53	2.82	9100
WEGIB	IF	ZEVEP		TF	FB	1.00	228.37	5.01	8300
ZEVEP	FAF	XUWBE/4.20 NM TO WUMOS		TF	FB	0.30	227.53	4.70	
XUWBE		WUMOS	MAP	TF	FO	0.30	227.53	4.20	
WUMOS	MAP	5678 MSL		CA			227.53		
5678 MSL		ELIZZ		DF	FO	1.00			10800

MISSED APPROACH

MAP:

LP: WUMOS
 LNAV: WUMOS

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 10800 DIRECT ELIZZ AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10800.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. PROFILE STARTS AT WEGIB
3. FAC:

227.53

FAF: ZEVEP

DIST FAF TO MAP: 8.90

DIST FAF TO THLD: 9.36
4. MIN ALT: WEGIB 9100, ZEVEP 8300, XUWBE/4.20 NM TO WUMOS 6900
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

HAT:
6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:
7. GP ANGLE:

34:1: IS NOT CLEAR

20:1: IS NOT CLEAR

TCH:
8. MSA FROM: WUMOS 10300

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH.

NOTES:

CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT STRIM ON V101 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON EKR VOR/DME AIRWAY RADIALS 199 CW 258.
CHART NOTE: STRAIGHT-IN RWY 25 NA AT NIGHT, CIRCLING RWY 25 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 20.00 DEGREES.
FAC CROSSES RWY C/L EXTENDED 3000 FEET FROM THLD.
FICTICIOUS THRESHOLD POINT (CFDVP) DO NOT CHART.
CHART CIRCLING ICON.
WAAS CHANNEL #93741
REFERENCE PATH ID: W25A
CHART FAS OBST: 6143 TERRAIN 400707N/1084105W.
HOLD SE, RT, 323.00 INBOUND
FTP HAE: 1592.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 1700-2, CAT C 1800-3

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
LP MDA	6400	1 1/4	1122	6400	1 1/2	1122	6400	3	1122		NA				
LNAV MDA	6400	1 1/4	1122	6400	1 1/2	1122	6400	3	1122		NA				
CIRCLING	6900	1 1/4	1622	6900	1 1/2	1622	7000	3	1722		NA				



CHANGES - REASONS

ORIGINAL

05/02/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/23/18.
8260-3 REMOVED "XUWBE TO WUMOS: 3.00/40.0" - PER FLIGHT INSPECTION.
ADDED PROFILE NOTE: "VISUAL SEGMENT - OBSTACLES." - COMPUTED DESCENT ANGLE 3.00/TCH 40, REMOVED PER FLIGHT INSPECTION.
UPDATED CRC REMAINDER FROM 8BF11E14 TO C4BA3996 - VDA REMOVAL.



COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** WST, ZDV

FLIGHT CHECKED BY

BRIAN ROBERT HANSEN

Digitally signed by
DAVID TEFFETELLER
Jun 04, 2018

OFFICE

FIOG

DATE

03/30/2018

DEVELOPED BY

DAVID TEFFETELLER (FRANK MOORE)

Digitally signed by
DAVID TEFFETELLER
Jun 04, 2018

OFFICE

AJV-5433

DATE

09/20/2017

APPROVED BY

PATRICK MULQUEEN

Digitally signed by
DAVID TEFFETELLER
Jun 04, 2018

OFFICE

AJV-5430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4V0
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	400536.6860N
LTP/FTP LONGITUDE	1084459.6150W
LTP/FTP ELLIPSOIDAL HEIGHT	+15922
FPAP LATITUDE	400448.6600N
FPAP LONGITUDE	1084637.4270W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 CRC REMAINDER	 C4BA3996

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+16087
FPAP ORTHOMETRIC HEIGHT	+16087



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

<u>AIRPORT</u> RANGELY	<u>AIRPORT ID</u> K4V0	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>AMDT NO.</u> ORIG	<u>CITY</u> RANGELY	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 5278	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM STRIM TO YOWES

RNP DISTANCE PAT MAP HAT HMAS
31.26

<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>
1.AAO	401954.00N/1080248.00W	8491	100	125	3E	1000				PR200	9700
2.TERRAIN	401954.00N/1080248.00W	8291 (8300)								AS1500	9800

COMPUTATIONS

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

SEGMENT
REMARKS:

INITIAL: STEPDOWN

FROM YOWES TO WEGIB

RNP DISTANCE PAT MAP HAT HMAS
2.40

<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>
3.AAO	401357.00N/1082542.00W	7077	100	125	3E	1000				AT920 PR80	9100
4.TERRAIN	401357.00N/1082542.00W	6877 (6900)								AS1500	8400

COMPUTATIONS

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

SEGMENT
REMARKS:



[illegible]

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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[illegible]

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

FROM
WEGIB

TO
ZEVEP

<u>RNP</u>	<u>DISTANCE</u> 5.01	<u>PAT</u>	<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>
8.AAO	400930.00N/1083130.00W		6952	100	125	3E	500				AC125 DG603 PR120	8300
9.TERRAIN	401221.00N/1083336.00W		6241 (6200)								AS1500	7700

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

SEGMENT
REMARKS:

FINAL: LP STEPDOWN

FROM
ZEVEP

TO
XUWBE/4.20 NM TO WUMOS

<u>RNP</u>	<u>DISTANCE</u> 4.70	<u>PAT</u>	<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>
10.AAO	400831.00N/1083745.00W		6185	50	20	2C	250				XL169 DG113 PR90 RA93	6900

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

SEGMENT
REMARKS:



FINAL: LNAV

FROM
XUWBE

TO
WUMOS

<u>RNP</u>	<u>DISTANCE</u> 4.20	<u>PAT</u>	<u>MAP</u> WUMOS	<u>HAT</u> 1122			<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>
11.TERRAIN (08-058559)	400706.76N/1084104.59W		6143	20	3	1A	250					6400

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:

MISSED APPROACH : LP

FROM
WUMOS

TO
ELIZZ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> 1	<u>MAP</u> WUMOS	<u>HAT</u> 6300			<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>
								ASC				10800
12.AAO	395539.00N/1090024.00W		7087	50	20	2C	1000					8100
13.TERRAIN	400633.00N/1084448.00W		5934 (5900)								AS1500	7400

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:



MISSED APPROACH : LNAV

FROM

WUMOS

TO

ELIZZ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
		1	WUMOS					6300			
<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				10800
12.AAO	395539.00N/1090024.00W	7087	50	20	2C	1000					8100
13.TERRAIN	400633.00N/1084448.00W	5934 (5900)								AS1500	7400

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											
14.TREE (08-043834)	400706.41N/1084437.90W	1.43	1622	6029	20	10	1B	300		SI	6900
CATEGORY B											
15.TREE (08-058118)	400741.58N/1084419.40W	2.05	1622	6291	20	10	1B	300		SI	6900
CATEGORY C											
16.AAO	400445.65N/1084135.50W	3.25	1722	6693	50	20	2C	300			7000

CIRCLING REMARKS:

MSA

CENTER

WUMOS

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	393930.00N/1083909.00W	161	26.7	9265	50	125	2E	1000			10300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



<u>AIRPORT</u>	<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>
RANGELY	K4V0	RNAV (GPS) RWY 25	ORIG	RANGELY	CO	5278	RNAV

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDV ARTCC

<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-3PT	K4V0	24	K4V0	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>
ASOS-3	KVEL	24	KVEL	40.03	Y	93

WX REMARKS:

<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>
RW07 - MIRL (PCL), REIL (PCL), PAPI-2L		NPI-G	
RW25 - MIRL (PCL), REIL (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>
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FINAL APPROACH COURSE AIMING

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

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LP, LNAV		
20:1			
6112 TREE (08-058042) 400557.00N/1084158.76W (118.38)		5677 TERRAIN (08-040232) 400624.79N/1084358.24W (105.92)	
6113 TREE (08-058960) 400558.65N/1084154.44W (101.18)		5666 TERRAIN (08-041147) 400624.43N/1084355.04W (83.18)	
5667 TREE (08-041622) 400629.10N/1084355.64W (81.32)		5795 TERRAIN (08-060020) 400646.67N/1084324.44W (71.67)	
6093 TREE (08-057342) 400556.01N/1084150.94W (70.80)		6084 TREE (08-059008) 400632.79N/1084202.83W (66.47)	

QUALITY
10
CHECKED



<u>AIRPORT</u>		<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>
RANGELY		K4V0	RNAV (GPS) RWY 25	ORIG	RANGELY	CO	5278	RNAV
5652 TERRAIN (08-066735) 400626.67N/1084353.65W (61.45)					5654 TERRAIN (08-041680) 400623.79N/1084352.27W (61.38)			
5923 TREE (08-058991) 400554.02N/1084231.89W (58.30)					6075 TREE (08-059172) 400630.18N/1084200.70W (52.27)			
5650 TERRAIN (08-042642) 400623.11N/1084349.36W (47.10)					6046 TREE (08-058758) 400635.15N/1084206.12W (38.36)			
5900 TREE (08-058788) 400557.80N/1084233.07W (35.62)					5921 TREE (08-058295) 400555.43N/1084226.54W (34.46)			
6018 TREE (08-057881) 400632.09N/1084210.52W (30.41)					5635 TERRAIN (08-043419) 400626.43N/1084349.82W (30.19)			
5766 TERRAIN (08-058409) 400649.49N/1084321.40W (28.04)					5635 TREE (08-058273) 400632.33N/1084349.70W (23.24)			
6058 TREE (08-058077) 400558.34N/1084148.04W (22.24)					5633 TERRAIN (08-043400) 400622.41N/1084346.39W (19.60)			
5630 TERRAIN (08-044441) 400625.33N/1084346.66W (14.41)					5995 TREE (08-059556) 400558.94N/1084202.50W (13.43)			
6196 TREE (08-059772) 400611.48N/1084112.66W (11.62)					5892 TREE (08-058688) 400558.80N/1084227.32W (4.72)			
5922 TREE (08-058500) 400557.38N/1084218.95W (4.53)					5870 TREE (08-058957) 400602.13N/1084233.97W (4.28)			
6177 TREE (08-059771) 400613.37N/1084116.20W (3.97)					5287 VERTICAL_POINT (08-034209) 400545.73N/1084502.83W (3.88)			
5622 TREE (08-059680) 400631.22N/1084347.03W (1.33)					6030 TERRAIN (08-058859) 400637.37N/1084200.89W (0.08)			
Final Type	LP, LNAV							
34:1								
6188 TREE (08-059770) 400609.15N/1084107.79W (367.56)					6180 TREE (08-058142) 400600.31N/1084048.82W (322.95)			
6123 TREE (08-059767) 400616.05N/1084118.43W (321.84)					6133 TERRAIN (08-065661) 400611.36N/1084105.17W (305.29)			
6025 TERRAIN (08-059064) 400633.20N/1084158.60W (302.37)					6005 TERRAIN (08-059169) 400640.71N/1084205.72W (293.39)			
6156 TREE (08-058144) 400602.67N/1084046.57W (292.40)					6106 TERRAIN (08-059774) 400613.33N/1084108.64W (284.76)			
6008 TREE (08-058075) 400629.98N/1084156.48W (282.72)					5992 TREE (08-059168) 400627.09N/1084200.02W (276.48)			
5987 TREE (08-058967) 400603.52N/1084154.42W (274.23)					6086 TREE (08-059739) 400559.37N/1084108.03W (272.41)			
6087 TREE (08-059769) 400605.96N/1084108.24W (269.62)					6065 TREE (08-059995) 400618.57N/1084121.10W (268.17)			
6080 TERRAIN (08-059773) 400614.91N/1084112.63W (266.64)					5961 TREE (08-060137) 400603.04N/1084159.25W (259.32)			
5990 TREE (08-057706) 400632.11N/1084153.12W (255.85)					5957 TREE (08-058207) 400639.78N/1084210.03W (255.61)			
5979 TREE (08-058078) 400603.33N/1084148.78W (253.77)					5899 TREE (08-057950) 400557.73N/1084222.76W (253.20)			
5920 TERRAIN (08-057896) 400554.70N/1084212.19W (252.58)					5934 TREE (08-057503) 400631.66N/1084215.15W (249.28)			
6055 TREE (08-059741) 400600.65N/1084111.65W (248.66)					5881 TREE (08-057532) 400601.92N/1084229.61W (247.77)			
6061 TREE (08-059743) 400602.40N/1084107.68W (244.68)					6051 TREE (08-065664) 400607.46N/1084112.72W (242.65)			
5906 TREE (08-057329) 400557.71N/1084214.06W (240.80)					6090 TREE (08-058143) 400603.13N/1084051.22W (236.48)			
5929 TREE (08-060034) 400636.07N/1084212.85W (236.30)					5963 TERRAIN (08-057546) 400641.33N/1084158.16W (234.13)			
6026 TREE (08-059737) 400558.19N/1084117.05W (233.30)					6027 TREE (08-059766) 400613.08N/1084120.07W (231.42)			

QUALITY

10

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<u>AIRPORT</u> RANGELY		<u>AIRPORT ID</u> K4V0	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>AMDT NO.</u> ORIG	<u>CITY</u> RANGELY	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 5278	<u>FACILITY</u> RNAV
6027 TREE (08-059768) 400610.16N/1084117.27W (227.06)	5959 TREE (08-057421) 400603.04N/1084143.33W (221.80)							
5873 TREE (08-059835) 400600.80N/1084220.62W (220.44)	5901 TERRAIN (08-058926) 400555.21N/1084206.06W (219.57)							
6081 TREE (08-058048) 400606.55N/1084047.60W (217.19)	5921 TREE (08-058387) 400629.21N/1084204.84W (214.87)							
5858 TREE (08-057638) 400602.17N/1084225.17W (214.70)	5935 TERRAIN (08-058073) 400644.05N/1084202.76W (214.63)							
5944 TREE (08-057547) 400627.93N/1084152.52W (211.21)	5873 TREE (08-058805) 400601.42N/1084216.23W (210.24)							
5944 TERRAIN (08-057267) 400636.52N/1084153.97W (208.89)	6015 TREE (08-059742) 400604.74N/1084112.65W (208.25)							
5843 TREE (08-058478) 400605.49N/1084227.72W (203.25)	5952 TREE (08-059347) 400709.71N/1084155.51W (198.87)							
5874 TREE (08-058288) 400557.89N/1084209.44W (198.38)	5893 TREE (08-057875) 400628.93N/1084209.42W (197.26)							
5995 TREE (08-059996) 400621.40N/1084121.36W (196.92)	5945 TREE (08-059126) 400632.82N/1084147.04W (196.83)							
5978 TREE (08-059735) 400558.76N/1084121.54W (194.95)	5994 TREE (08-059740) 400601.70N/1084114.89W (194.21)							
5950 TREE (08-059135) 400631.66N/1084142.97W (193.50)	5847 TREE (08-059896) 400604.28N/1084219.81W (190.38)							
5903 TREE (08-059170) 400607.61N/1084154.22W (187.14)	5926 TERRAIN (08-058456) 400640.61N/1084152.83W (185.71)							
5853 TREE (08-057386) 400628.10N/1084220.52W (182.56)	6019 TERRAIN (08-058147) 400613.86N/1084101.95W (182.49)							
5850 TREE (08-058439) 400631.29N/1084221.08W (178.75)	5967 TREE (08-059994) 400620.08N/1084125.01W (177.91)							
5913 TREE (08-059125) 400659.38N/1084200.17W (176.94)	5911 TREE (08-057417) 400559.46N/1084143.14W (175.69)							
5836 TREE (08-058595) 400608.69N/1084219.00W (174.72)	5932 TERRAIN (08-059142) 400635.63N/1084143.41W (173.91)							
5856 TERRAIN (08-058713) 400600.49N/1084207.18W (173.66)	5953 TREE (08-059775) 400618.78N/1084128.69W (172.96)							
5901 TREE (08-058928) 400702.77N/1084159.82W (161.97)	5971 TERRAIN (08-060001) 400619.54N/1084115.53W (161.11)							
5907 TREE (08-059217) 400706.42N/1084157.41W (160.24)	5937 TREE (08-065671) 400623.07N/1084131.04W (159.43)							
5945 TREE (08-065668) 400612.32N/1084123.68W (157.96)	5993 TREE (08-058137) 400600.42N/1084058.33W (157.09)							
5945 TREE (08-059764) 400608.68N/1084121.55W (155.56)	5714 TERRAIN (08-057076) 400651.55N/1084317.25W (154.93)							
5942 TREE (08-059765) 400615.68N/1084124.42W (154.44)	5946 TREE (08-059736) 400602.78N/1084118.63W (153.86)							
5840 TERRAIN (08-059259) 400602.46N/1084205.12W (151.79)	5892 TREE (08-058670) 400557.49N/1084140.09W (151.16)							
5913 TREE (08-057620) 400628.71N/1084139.38W (150.39)	5891 TREE (08-058675) 400629.64N/1084147.42W (145.73)							
5624 TERRAIN (08-058080) 400621.65N/1084343.33W (142.46)	5887 TERRAIN (08-058682) 400636.70N/1084149.49W (141.78)							
5757 TERRAIN (08-060126) 400556.75N/1084235.79W (140.90)	5847 TERRAIN (08-058959) 400643.45N/1084208.88W (140.67)							
5813 TREE (08-057110) 400602.68N/1084211.59W (139.08)	5815 TREE (08-058910) 400634.69N/1084219.55W (138.14)							
5820 TREE (08-058709) 400627.74N/1084215.29W (138.13)	5808 TREE (08-057232) 400605.99N/1084213.77W (136.80)							
5916 TERRAIN (08-059762) 400626.60N/1084130.69W (135.37)	5762 TREE (08-058840) 400605.12N/1084233.46W (135.29)							
5905 TREE (08-059342) 400625.91N/1084135.35W (135.21)	5616 TERRAIN (08-059281) 400623.61N/1084343.41W (133.37)							



<u>AIRPORT</u> RANGELY		<u>AIRPORT ID</u> K4V0	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>AMDT NO.</u> ORIG	<u>CITY</u> RANGELY	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 5278	<u>FACILITY</u> RNAV
5866 TERRAIN (08-058450) 400651.70N/1084159.30W (132.97)	5874 TREE (08-058451) 400626.49N/1084148.08W (132.24)							
5891 TERRAIN (08-059308) 400640.03N/1084144.28W (132.01)	5820 TREE (08-060075) 400641.03N/1084214.01W (126.68)							
5922 TREE (08-059763) 400606.17N/1084117.90W (126.04)	5729 TREE (08-057347) 400701.91N/1084300.51W (125.89)							
5911 TERRAIN (08-058177) 400629.13N/1084129.09W (125.17)	5847 TERRAIN (08-057542) 400648.01N/1084202.49W (123.47)							
5911 TREE (08-059997) 400623.60N/1084126.66W (123.32)	5607 TERRAIN (08-059672) 400625.41N/1084343.28W (122.91)							
5611 TERRAIN (08-059683) 400620.95N/1084340.16W (122.84)	5863 TREE (08-058448) 400606.69N/1084142.99W (122.68)							
5856 TERRAIN (08-057424) 400646.58N/1084157.29W (121.79)	5816 TREE (08-057870) 400605.93N/1084202.79W (120.34)							
5606 TREE (08-059435) 400632.82N/1084344.25W (119.28)	5868 TREE (08-059292) 400603.56N/1084138.16W (118.93)							
5860 TERRAIN (08-065776) 400656.23N/1084156.81W (118.49)	5603 TERRAIN (08-059973) 400630.44N/1084344.40W (118.15)							
5886 TERRAIN (08-059343) 400636.32N/1084138.69W (116.94)	5972 TREE (08-058045) 400606.14N/1084051.36W (116.85)							
5914 TREE (08-059998) 400624.43N/1084122.59W (116.70)	5605 TERRAIN (08-059722) 400622.79N/1084340.01W (115.31)							
5979 TREE (08-058047) 400609.95N/1084048.53W (115.07)	5856 TERRAIN (08-058678) 400643.92N/1084153.07W (114.10)							
5836 TREE (08-057545) 400652.73N/1084204.10W (113.01)	5769 TERRAIN (08-058250) 400625.20N/1084225.00W (110.43)							
5835 TREE (08-065779) 400655.25N/1084203.65W (109.38)	5935 TREE (08-058136) 400604.91N/1084103.86W (108.53)							
5790 TREE (08-058699) 400605.60N/1084208.94W (108.28)	5939 TERRAIN (08-058043) 400616.61N/1084105.11W (107.76)							
5598 TREE (08-060112) 400634.38N/1084343.05W (107.59)	5814 TREE (08-058386) 400606.86N/1084158.18W (107.46)							
5639 TERRAIN (08-057470) 400644.72N/1084327.04W (106.19)	5598 TERRAIN (08-057662) 400624.29N/1084339.37W (105.91)							
5927 TERRAIN (08-060002) 400618.17N/1084109.90W (105.44)	5650 TERRAIN (08-059823) 400645.34N/1084321.89W (105.30)							
5797 TERRAIN (08-059405) 400625.25N/1084209.83W (104.56)	5833 TREE (08-058265) 400607.74N/1084148.45W (104.18)							
5672 TERRAIN (08-057916) 400654.33N/1084313.68W (103.17)	5597 TERRAIN (08-057663) 400620.53N/1084337.15W (102.40)							
5864 TERRAIN (08-059219) 400643.49N/1084144.09W (102.35)	5588 TERRAIN (08-059577) 400626.57N/1084339.71W (95.20)							
5587 TERRAIN (08-059870) 400631.07N/1084341.13W (94.45)	5934 TREE (08-058138) 400603.10N/1084057.21W (93.86)							
5866 TERRAIN (08-059524) 400632.97N/1084136.34W (93.86)	5797 TREE (08-060140) 400624.77N/1084204.84W (93.74)							
5841 TERRAIN (08-065774) 400700.16N/1084155.08W (93.09)	5767 TREE (08-057105) 400610.84N/1084213.62W (92.33)							
5844 TERRAIN (08-059224) 400703.89N/1084154.11W (91.51)	5844 TREE (08-059303) 400627.24N/1084143.39W (91.29)							
5703 TREE (08-059499) 400703.07N/1084256.86W (91.00)	5588 TERRAIN (08-060059) 400622.27N/1084336.39W (90.58)							
5863 TERRAIN (08-059526) 400630.07N/1084134.29W (88.16)	5932 TERRAIN (08-065558) 400615.87N/1084059.00W (87.61)							
5835 TREE (08-059228) 400711.60N/1084158.51W (87.34)	5895 TERRAIN (08-059999) 400623.74N/1084117.45W (86.68)							
5824 TREE (08-057266) 400623.34N/1084149.09W (86.53)	5879 TERRAIN (08-058178) 400632.14N/1084125.39W (82.97)							
5583 TERRAIN (08-059871) 400620.38N/1084334.46W (82.49)	5578 TREE (08-058777) 400636.12N/1084340.91W (81.69)							

QUALITY
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<u>AIRPORT</u> RANGELY		<u>AIRPORT ID</u> K4V0	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>AMDT NO.</u> ORIG	<u>CITY</u> RANGELY	<u>STATE</u> CO	<u>AIRPORT ELEVATION</u> 5278	<u>FACILITY</u> RNAV
5744 TERRAIN (08-058809) 400628.71N/1084224.03W (81.00)	5693 TREE (08-059883) 400553.11N/1084236.22W (80.22)							
5580 TERRAIN (08-058354) 400623.75N/1084335.75W (80.19)	5914 TERRAIN (08-058343) 400659.64N/1084116.32W (79.97)							
5910 TERRAIN (08-058338) 400702.38N/1084118.16W (78.30)	5715 TREE (08-058471) 400607.99N/1084229.63W (77.89)							
5746 TERRAIN (08-057681) 400624.53N/1084220.40W (77.60)	5847 TERRAIN (08-059346) 400640.05N/1084139.45W (77.22)							
5656 TERRAIN (08-059550) 400657.00N/1084309.35W (75.78)	5825 TERRAIN (08-059305) 400640.46N/1084148.23W (74.54)							
5906 TREE (08-058145) 400607.95N/1084101.76W (72.88)	5836 TERRAIN (08-059227) 400646.40N/1084144.18W (72.67)							
5586 TREE (08-059927) 400639.93N/1084334.30W (72.48)	5573 TERRAIN (08-058531) 400625.84N/1084336.00W (72.39)							
5897 TREE (08-058133) 400559.08N/1084102.78W (71.89)	5573 TREE (08-057595) 400638.01N/1084338.85W (70.87)							
5863 TERRAIN (08-065666) 400635.25N/1084127.36W (69.35)	5575 TERRAIN (08-058726) 400619.72N/1084331.85W (69.10)							
5716 TREE (08-057947) 400608.30N/1084225.06W (68.49)	5824 TERRAIN (08-059221) 400655.60N/1084149.60W (66.81)							
5573 TREE (08-059587) 400640.01N/1084337.43W (66.41)	5606 TERRAIN (08-057942) 400644.45N/1084323.91W (66.38)							
5809 TERRAIN (08-059129) 400649.65N/1084154.27W (66.07)	5569 TERRAIN (08-058628) 400622.19N/1084332.61W (63.20)							
5745 TREE (08-057610) 400638.12N/1084218.05W (62.57)	5563 TERRAIN (08-058733) 400627.82N/1084336.36W (61.92)							
5562 TERRAIN (08-058873) 400634.67N/1084338.70W (61.70)	5560 TERRAIN (08-058776) 400632.31N/1084338.21W (60.14)							
5900 TREE (08-058044) 400611.76N/1084059.67W (59.76)	5583 TERRAIN (08-057254) 400643.40N/1084329.93W (57.49)							
5783 TREE (08-057418) 400658.03N/1084204.42W (57.30)	5751 TREE (08-059559) 400612.33N/1084205.11W (56.38)							
5813 TERRAIN (08-059225) 400658.19N/1084150.45W (56.03)	5784 TREE (08-065777) 400702.39N/1084204.37W (55.36)							
5775 TREE (08-058848) 400611.70N/1084153.66W (55.25)	5745 TREE (08-059369) 400608.59N/1084206.07W (54.94)							
5837 TERRAIN (08-058169) 400633.07N/1084130.44W (51.63)	5803 TERRAIN (08-059133) 400643.86N/1084148.30W (50.50)							
5562 TERRAIN (08-059102) 400619.94N/1084329.11W (49.84)	5518 TREE (08-043403) 400630.63N/1084351.80W (49.54)							
5764 TREE (08-059012) 400623.75N/1084159.31W (49.06)	5556 TERRAIN (08-059323) 400624.42N/1084332.65W (48.84)							
5730 TREE (08-057617) 400641.68N/1084219.63W (48.79)	5554 TERRAIN (08-057506) 400632.06N/1084335.03W (47.20)							
5794 TREE (08-059131) 400600.30N/1084137.93W (46.52)	5792 TERRAIN (08-058931) 400652.82N/1084153.51W (45.33)							
5757 TERRAIN (08-057343) 400647.33N/1084207.42W (44.91)	5551 TERRAIN (08-057487) 400633.63N/1084335.78W (44.86)							
5858 TERRAIN (08-060005) 400627.09N/1084116.05W (44.40)	5865 TERRAIN (08-060003) 400621.45N/1084111.12W (44.04)							
5803 TERRAIN (08-059345) 400701.58N/1084150.53W (44.02)	5817 TERRAIN (08-059527) 400643.29N/1084138.74W (43.54)							
5753 TREE (08-058851) 400651.79N/1084209.58W (42.84)	5795 TREE (08-059304) 400607.52N/1084137.91W (42.81)							
5551 TREE (08-059778) 400638.01N/1084335.64W (41.71)	5549 TERRAIN (08-058879) 400626.84N/1084333.07W (41.21)							
5793 TREE (08-059297) 400623.74N/1084142.74W (41.10)	5553 TERRAIN (08-057207) 400621.81N/1084329.45W (40.39)							
5720 TERRAIN (08-058911) 400624.25N/1084215.17W (40.12)	5834 TERRAIN (08-065665) 400627.71N/1084125.03W (40.03)							

QUALITY
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CHECKED

<u>AIRPORT</u>	<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>
RANGELY	K4V0	RNAV (GPS) RWY 25	ORIG	RANGELY	CO	5278	RNAV
5844 TERRAIN (08-060000) 400628.17N/1084120.06W (38.64)				5752 TREE (08-058074) 400654.87N/1084208.65W (37.77)			
5818 TERRAIN (08-058172) 400640.73N/1084134.62W (37.01)				5792 TREE (08-059140) 400603.51N/1084134.69W (35.22)			
5855 TERRAIN (08-065662) 400625.10N/1084112.51W (34.79)				5786 TERRAIN (08-059138) 400646.90N/1084149.16W (33.45)			
5798 TERRAIN (08-059377) 400650.27N/1084143.86W (31.45)				5544 TERRAIN (08-057820) 400631.21N/1084331.73W (30.39)			
5885 TREE (08-058046) 400608.48N/1084052.24W (30.30)				5538 TERRAIN (08-057669) 400636.33N/1084335.68W (29.89)			
5808 TERRAIN (08-058170) 400636.91N/1084134.64W (29.52)				5541 TREE (08-058056) 400637.93N/1084333.43W (26.83)			
5870 TREE (08-058146) 400605.76N/1084056.14W (25.76)				5805 TERRAIN (08-065670) 400647.05N/1084137.21W (25.70)			
5728 TREE (08-060135) 400609.75N/1084200.69W (25.19)				5538 TERRAIN (08-057594) 400624.32N/1084329.63W (24.17)			
5538 TERRAIN (08-059779) 400633.21N/1084332.11W (23.95)				5574 TERRAIN (08-058417) 400647.14N/1084319.06W (21.82)			
5540 TERRAIN (08-057777) 400620.81N/1084326.58W (21.64)				5706 TREE (08-059404) 400645.36N/1084219.09W (21.21)			
5535 TERRAIN (08-060013) 400634.97N/1084332.71W (21.15)				5746 TREE (08-058071) 400625.15N/1084155.01W (20.56)			
5536 TERRAIN (08-059231) 400626.56N/1084329.26W (19.89)				5441 TERRAIN (08-065463) 400620.35N/1084409.40W (18.45)			
5782 TREE (08-057622) 400622.95N/1084137.28W (18.43)				5637 TREE (08-059592) 400705.43N/1084254.51W (18.23)			
5752 TREE (08-057703) 400611.13N/1084147.08W (17.93)				5871 TREE (08-058349) 400639.31N/1084100.93W (15.77)			
5865 TREE (08-058351) 400641.71N/1084103.98W (15.03)				5805 TERRAIN (08-058171) 400637.90N/1084129.69W (14.84)			
5492 TERRAIN (08-058274) 400628.76N/1084346.98W (14.00)				5853 TERRAIN (08-058050) 400620.41N/1084102.71W (13.95)			
5704 TERRAIN (08-059368) 400622.69N/1084210.16W (13.95)				5842 TERRAIN (08-060004) 400620.90N/1084106.98W (12.16)			
5533 TERRAIN (08-059044) 400641.25N/1084331.30W (11.93)				5797 TERRAIN (08-058173) 400644.51N/1084133.23W (10.46)			
5784 TERRAIN (08-058211) 400653.39N/1084141.43W (10.02)				5530 TERRAIN (08-057933) 400622.53N/1084326.14W (9.54)			
5780 TERRAIN (08-058174) 400650.03N/1084139.92W (4.82)				5525 TERRAIN (08-058051) 400630.71N/1084328.49W (4.49)			
5772 TERRAIN (08-058212) 400658.53N/1084145.76W (4.35)				5293 FENCE (08-034221) 400544.19N/1084458.91W (4.32)			
5295 TRAVERSE_WAY (08-034341) 400544.34N/1084458.01W (4.22)				5533 TERRAIN (08-058895) 400642.09N/1084327.93W (3.87)			
5851 TERRAIN (08-058210) 400649.46N/1084107.49W (3.85)				5525 TERRAIN (08-060163) 400632.79N/1084328.58W (3.34)			
5849 TREE (08-065557) 400644.68N/1084106.77W (3.33)				5748 TREE (08-058672) 400609.63N/1084141.88W (3.30)			
5292 FENCE (08-021876) 400544.60N/1084458.93W (3.10)				5525 TREE (08-066329) 400638.84N/1084330.15W (2.93)			
5704 TERRAIN (08-065891) 400645.80N/1084211.57W (2.15)				5526 TERRAIN (08-058152) 400621.34N/1084324.15W (1.87)			
5293 TRAVERSE_WAY (08-034344) 400545.51N/1084458.04W (1.53)				5290 FENCE (08-034335) 400545.43N/1084459.01W (0.74)			

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS



<u>AIRPORT</u>	<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>
RANGELY	K4V0	RNAV (GPS) RWY 25	ORIG	RANGELY	CO	5278	RNAV
PART C: GENERAL REMARKS:							
VDP NOT ESTABLISHED - OBSTACLES PENETRATE VDP SURFACE.							
COMPUTED DESCENT ANGLE 3.00/TCH 40, REMOVED PER FLIGHT INSPECTION.							
VGSI DATA: NONE							
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE VERNAL ALTIMETER SETTING: INCREASE ALL MDAS 100 FT.							
VEGETATION: 30 FT PER FPT.							
PRECIPITOUS TERRAIN EVALUATION COMPLETED.							
ONLY LP AND LNAV DEVELOPED PER FPT.							
SEE ATTACHED AIRSPACE LETTER.							
RASS PRESSURE PATTERNS THE SAME							
K4V0 5278, KVEL 5278							
RA = 92.3.							



<u>AIRPORT</u>	<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>
RANGELY	K4V0	RNAV (GPS) RWY 25	ORIG	RANGELY	CO	5278	RNAV

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	MAP	TO 1000FT POINT	5.50
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	237.53
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	5985
DISTANCE FROM	MAP	TO 1500FT POINT	7.10
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	237.53
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	5985

THRESHOLD
COORDINATES
(IF STR-IN) 400545.23N/1084506.72W

ARP COORDINATES 400538.30N/1084547.00W

RUNWAY APCH END
AND DIST FURTHEST
FROM MAP RUNWAY 25 DISTANCE 0.37 NM

FAF
COORDINATES 401038.93N/1083442.08W

FIX NAME
COORDINATES WUMOS: 400551.69N/1084429.05W

REMARKS



<u>AIRPORT</u>	<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>
RANGELY	K4V0	RNAV (GPS) RWY 25	ORIG	RANGELY	CO	5278	RNAV

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DAVID TEFFETELLER (FRANK MOORE)	AJV-5433	09/20/2017	AERONAUTICAL INFORMATION SPECIALIST

