

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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> GJT	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 11	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> GRAND JUNCTION	<u>STATE</u> CO
<u>AIRPORT ELEVATION</u> 4861	<u>TDZE</u> 4840	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 11	<u>DATED</u> 11/03/2022	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 05/16/2024	<u>CANCEL/SUSPEND</u>
		<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>MAG VAR</u> 9E	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HONTU	IAF	IWUGO		TF	FB	1.00	344.05	4.39	9900
IWUGO		PHUTS		TF	FB	1.00	343.98	3.24	8900
SPADA	IAF	MIBAE		TF	FB	1.00	312.02	18.18	8800
MACKS	IAF	LOMMA		TF	FB	1.00	115.92	7.68	8900
LOMMA		CARKU		TF	FB	1.00	116.00	4.67	8200
PACES	IAF	NATLL		TF	FB	1.00	286.77	11.31	10000
PHUTS	IF	YOVCU		TF	FB	1.00	351.38	3.49	8200
MIBAE	IF	HEBUT		TF	FB	1.00	311.80	3.02	8500
HEBUT		YOVCU		RF	FB	1.00	(2.91 NM RADIUS CW (CFGBQ))	2.01	8200
YOVCU		JINNY	PFAF	RF	FB	1.00	(2.92 NM RADIUS CW (CFGBN))	6.35	6700
NATLL	IF	CULIP		TF	FB	1.00	286.56	4.00	9000
CULIP		FEKVA		RF	FB	0.40	(3.09 NM RADIUS CCW (CFFZX))	2.76	8600
FEKVA		WURNI		RF	FB	0.40	(3.07 NM RADIUS CCW (CFFZW))	2.76	7800
CARKU	IF	JINNY	PFAF	TF	FB	1.00	116.05	5.01	6700
WURNI		JINNY	PFAF	RF	FB	1.00	(3.08 NM RADIUS CCW (CFFZV))	3.64	6700
JINNY	PFAF	RW11	MAP	TF	FO	0.30	116.11	5.72	
RW11	MAP	JETRY		TF	FB	1.00	116.17	7.04	6700
JETRY		PAKPE		TF	FB	1.00	116.25	4.27	
PAKPE		WULKU		RF	FB	1.00	(4.60 NM RADIUS CW (CFGBV))	14.16	
WULKU		JNC VOR/DME		TF	FO	1.00	292.63	18.71	9000



MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 9000 ON TRACK 116.17 TO JETRY, CROSS JETRY AT OR ABOVE 6700, AND TRACK 116.25 TO PAKPE, RIGHT TURN TO WULKU, AND TRACK 292.63 TO JNC VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)			
2.	PROFILE STARTS AT JINNY								
3.	FAC:	116.11	PFAF: JINNY	DIST PFAF TO MAP:		DIST PFAF TO THLD:			
4.	MIN ALT:	JINNY 6700							
5.	DIST TO THLD FROM PFAF:	5.72	MM:	IM:	150 HAT:	343 HAT:	0.96	GS ANT:	
6.	MIN GP INCPT:	6700	GP ALT AT PFAF:	JINNY 6700		OM:		MM:	IM:
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	50.0	
8.	MSA FROM:	RW11 12400							

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 SM.
CHART PLANVIEW NOTE AT PACES: (RNP 0.40).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MACKS ON V391 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PACES ON V134-220-591 NORTHEASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SPADA ON V26 SOUTHEAST BOUND.
CHART SPEED ICON IN PLANVIEW AT HONTU: MAX 230 KIAS.
CHART SPEED ICON IN PLANVIEW AT PHUTS: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT MIBAE: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT NATLL: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD W, LT, 081.00 INBOUND.
CHART AT OR ABOVE 10700 AT HONTU.



MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT
ALTERNATE: NA ☐ STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.10 DA	5183	4000	343	5183	4000	343	5183	4000	343	5183	4000	343			
RNP 0.30 DA	5346	1 1/4	506	5346	1 1/4	506	5346	1 1/4	506	5346	1 1/4	506			



CHANGES - REASONS

1. TDZE CHANGED FROM "4836" TO "4840" - NEW PENDING AIRNAV DATA.
2. 4 DEGREES ADDED TO ALL COURSES - MAGVAR ROTATION.
3. TERMINAL ROUTES: ADDED INITIAL LEG FROM SPADA TO MIBAE - ATC REQUESTED.
4. TERMINAL ROUTES: ADDED INITIAL LEG FROM IWUGO TO PHUTS - ATC REQUESTED.
5. TERMINAL ROUTES: REMOVED INITIAL LEG FROM SINSY TO HONTU - ATC REQUESTED.
6. TERMINAL ROUTES: REMOVED INTERMEDIATE LEG FROM TADUY TO YOVCU - ATC REQUESTED.
7. TERMINAL ROUTES: ADDED INTERMEDIATE LEG FROM PHUTS TO YOVCU - ATC REQUESTED.
8. TERMINAL ROUTES: REMOVED INTERMEDIATE LEG FROM OLILE TO HEBUT - ATC REQUESTED.
9. TERMINAL ROUTES: ADDED INTERMEDIATE LEG FROM MIBAE TO HEBUT - ATC REQUESTED.
10. TERMINAL ROUTES: UPDATED INTERMEDIATE LEG HEBUT TO YOVCU COURSE/DISTANCE FROM "(3.30NM RADIUS CW (UYUXI))/2.00" TO "(2.91NM RADIUS CW CFGBQ)/2.01" - MOVED FOR TANGENCY.
11. TERMINAL ROUTES: ADDED INTERMEDIATE LEG FROM YOVCU TO JINNY - ATC REQUESTED.
12. TERMINAL ROUTES: ADDED INTERMEDIATE LEG FROM CARKU TO JINNY - ATC REQUESTED.
12. TERMINAL ROUTES: UPDATED INITIAL LEG PACES TO NATLL COURSE/DISTANCE/ALTITUDE FROM "281.31/11.38/9900" TO "286.77/11.31/10000" - MOVED NATLL .62NM SW.
13. TERMINAL ROUTES: UPDATED INITIAL LEG NATLL TO CULIP COURSE/ALTITUDE FROM "281.17/9900" TO "286.56/9000" - MOVED CULIP .36NM SW, ATC REQUESTED ALTITUDE.
14. TERMINAL ROUTES: UPDATED INTERMEDIATE LEG CULIP TO FEKVA RNP/COURSE/DISTANCE FROM "1.0/(3.10NM RADIUS CCW UYOTU)/2.39" TO "0.40/(3.09NM RADIUS CCW (CFFZX))/2.76" - MOVED CULIP .36NM SW, MOVED FEKVA .26NM NW.
15. TERMINAL ROUTES: UPDATED INTERMEDIATE LEG FEKVA TO WURNI RNP/COURSE/DISTANCE FROM "(2.90 NM RADIUS CCW (UYPOF))/2.66" TO "(3.07 NM RADIUS CCW (CFFZW))/2.76" - MOVED FEKVA .26NM NW.
16. TERMINAL ROUTES: REMOVED INTERMEDIATE LEG VUXOH TO KAREC - ATC REQUESTED.
17. TERMINAL ROUTES: ADDED INTERMEDIATE LEG FROM WURNI TO JINNY - ATC REQUESTED.
18. TERMINAL ROUTES: REMOVED FINAL LEG FROM KAREC TO RW11 - ATC REQUESTED.
19. TERMINAL ROUTES: ADDED FINAL SEGMENT FROM JINNY TO RW11 - ATC REQUESTED.
20. TERMINAL ROUTES: UPDATED MISSED APPROACH LEG RW11 TO JETRY COURSE/DISTANCE FROM "112.17/8.73" TO "116.17/7.04" - JETRY MOVED 1.50NM NW.
21. TERMINAL ROUTES: UPDATED MISSED APPROACH LEG FROM JETRY TO PAKPE COURSE/DISTANCE FROM "112.26/2.77" TO "116.25/4.27" - JETRY MOVED 1.50NM NW.
22. TERMINAL ROUTES: UPDATED MISSED APPROACH LEG FROM PAPKE TO WULKU CF CENTERPOINT FIX FROM "(4.60NM RADIUS CW (CUNOV))" TO "(4.60 NM RADIUS CW (CFGBV))" - IAW 8260.19I PARA 2-10-4.A(4).
23. TERMINAL ROUTES: CHANGED MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 9000 ON TRACK 116 TO JETRY, CROSS JETRY AT OR ABOVE 6700, AND ON TRACK 116 TO PAKPE, RIGHT TO TURN WULKU, AND ON TRACK 293 TO JNC VOR/DME AND HOLD" TO "CLIMB TO 9000 ON TRACK 116.17 TO JETRY, CROSS JETRY AT OR ABOVE 6700, AND TRACK 116.25 TO PAKPE, RIGHT TURN TO WULKU, AND TRACK 292.63 TO JNC VOR/DME AND HOLD" - IAW PARA 8260.19I 8-2-3.C.
24. TERMINAL ROUTES: UPDATED MISSED APPROACH LEG WULKU TO JNC VOR/DME COURSE/DISTANCE FROM "288.63/18.72" TO "292.63/18.71" - WULKU MOVED 27.63FT NW.
25. PROFILE LINE 2: PROFILE START CHANGED FROM VUXOH TO JINNY - IAW 8260.19I PARA 8-6-7.B(3)(B).
26. PROFILE LINE 3: FAC CHANGED FROM 112.13 TO 116.11 - MAGVAR UPDATE.
27. PROFILE LINE 3: ADDED FAF: JINNY - IAW 8260.19I PARA 8-6-7.C.
28. PROFILE LINE 4: MIN ALTITUDES CHANGED FROM "VUXOH 6700, KAREC 6000" TO "JINNY 6700" - IAW 8260.19I PARA 8-6-7.D.
29. PROFILE LINE 5: DIST TO THLD FROM PFAF CHANGED FROM "3.55" TO "5.72" - PFAF POSITION REALIGNED BASED ON ANGLE AND TCH.
30. PROFILE LINE 5: HAT CHANGED FROM "421 HATH: 1.16NM" TO "373 HAT: 1.05NM" AND MOVED FROM ADDITIONAL FLIGHT DATA - IAW 8260.19I PARA 8-6-7.E AND CURRENT MINIMUMS.
31. PROFILE LINE 6: GP INCPT/ALT AT FAF CHANGED FROM "6000/KAREC 6000" TO "6700/JINNY 6700" - DUE TO COMPLETE REBUILD OF THE PROCEDURE REQUESTED BY ATC.
32. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - IAW 8260.19I PARA 8-6-8.G.(3).
33. PROFILE LINE 7: CHANGED TCH FROM "50.2#" TO "50" - CHANGED TO MATCH ILS GP.
34. CHART NOTE: UPDATED FOR INOPERATIVE ALS NOTE FROM "INCREASE RNP 0.10 ALL CATS VISIBILITY TO 1 3/8 SM, AND RNP 0.30 ALL CATS VISIBILITY TO 1 3/4 SM." TO "INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8 SM - IAW 8260.3E, TABLE 3-3-1.
35. CHART NOTE: UPDATED TEMPS IN BARO-VNAV NA NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -21C(-6F) OR ABOVE 38C (101F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17°C OR ABOVE 54°C" - UPDATED CRITICAL TEMPS.
36. REMOVED CHART PLANVIEW VIEW AT CULIP, HEBUT, YOVCU: MAX 180K; ADDED CHART SPEED ICON AT PHUTS: MAX 210 KIAS, MIBAE: MAX 210 KIAS, AND NATLL: MAX 210 KIAS - IAW 8260-19I PARA 4-6-10.G.
37. ADDED "CHART PLANVIEW NOTE AT PACES: (RNP 0.40)" - 8260.19I PARA 4-6-10(F).
38. ADDITIONAL FLIGHT DATA: REMOVED FAS OBST: 4936 VENT 390854N/1083324W - NO LONGER REQUIRED.
39. ADDITIONAL FLIGHT DATA: REMOVED ROUTE TYPE AND QUALIFIERS - NO LONGER REQUIRED.
40. ADDITIONAL FLIGHT DATA: CHANGED HOLDING FROM "HOLD W, LT, 077.00 INBOUND" TO "HOLD W, LT, 081.00 INBOUND" - MAGVAR UPDATE.
41. MINIMUMS: RNP 0.10 DA DA/VIS/HAT CHANGED FROM "5257/1 1/4/421" TO "5183/4000/343" - NEW CONTROLLING OBSTACLE.
42. MINIMUMS: RNP 0.30 DA DA/VIS/HAT CHANGED FROM "5369/1 1/2/533" TO "5346/1 1/4/506" - NEW CONTROLLING OBSTACLE.
43. MAGVAR EPOCH YEAR CHANGED FROM 2020 TO 2025 - NEW PENDING AIRNAV DATA.



COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZDV ARTCC, DEN APP CON, GJT TOWER

FLIGHT CHECKED BY
PENDING

OFFICE

DATE

Digitally signed by
ROBERT G HAMILTON
Mar 14, 2024

DEVELOPED BY
ROBERT G HAMILTON (PHILLIP T. HILL01)

OFFICE
AJV-A433

DATE
12/12/2023

Digitally signed by
ROBERT G HAMILTON
Mar 14, 2024

APPROVED BY
ROBERT G HAMILTON

OFFICE
AJV-A433

DATE

Digitally signed by
ROBERT G HAMILTON **TITLE**
MANAGER
Mar 14, 2024



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>
GJT	RNAV (RNP) Z RWY 11	1	GRAND JUNCTION	CO	4861	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM HONTU **TO** IWUGO

RNP 1.00 DISTANCE 4.39 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>
AAO	385651.00N/1084242.00W	8022	215	8	4B	1000				AC8 PR230 AT640	9900
TERRAIN	385757.00N/1084203.00W	7591 (7600)								AS1500	9100

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM IWUGO **TO** PHUTS

RNP 1.00 DISTANCE 3.24 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 (08-000494)	390355.93N/1084454.36W	7476	500	125	5E	1000				AC125 PR230	8900
TERRAIN	390357.00N/1084454.00W	7135 (7100)								AS1500	8600

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM

SPADA

TO

MIBAE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	18.18										
<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	384833.00N/1082736.00W	7333	215	8	4B	1000				PR230 AT229 AC8	8800
TERRAIN	385303.00N/1083212.00W	7086 (7100)								AS1500	8600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

MACKS

TO

LOMMA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
1.00	7.68										
<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	392330.00N/1085621.00W	5725	215	8	4B	1000				AC8 AT2167	8900
TERRAIN	392248.00N/1085512.00W	5321 (5300)								AS1500	6800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

LOMMA

TO

CARKU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	4.67										
<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	391827.00N/1084703.00W	5319	215	8	4B	1000				AC8 AT1873	8200
TERRAIN	391824.00N/1084703.00W	5111 (5100)								AS1500	6600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

PACES

TO

NATLL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	11.31										
<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	391409.00N/1083054.00W	7543	215	8	4B	1000				AC8 PR280 AT1169	10000
TERRAIN	391227.00N/1082909.00W	7253 (7300)								AS1500	8800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

PHUTS

TO

YOVCU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	3.49										
<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	390424.00N/1084430.00W	7228	215	8	4B	500				PR200 AC8 AT264	8200
TERRAIN	390521.00N/1084657.00W	6463 (6500)								AS1500	8000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

MIBAE

TO

HEBUT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	3.02										
<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	390445.00N/1084427.00W	7031	215	8	4B	500				AC8 PR190 AT771	8500
TERRAIN	390442.00N/1084421.00W	6788 (6800)								AS1500	8300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE STEPDOWN

FROM

HEBUT

TO

YOVCU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	2.01				

<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	390454.00N/1084421.00W	6916	215	8	4B	500				PR190 AC8 AT586	8200
TERRAIN	390618.00N/1084515.00W	6213 (6200)								AS1500	7700

COMPUTATIONS

<u>RF SEGMENT</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>
HEBUT-YOVCU	8790	210	246.34	3928.16	28.46	2.91	20.73	0				(CFGBQ)/2.01 NM

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM

YOVCU

TO

JINNY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	6.35				

<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	390724.00N/1084639.00W	5853	215	8	4B	500				PR100 AC8 AT239	6700
TERRAIN	391306.00N/1083724.00W	4973 (5000)								AS1500	6500

COMPUTATIONS

<u>RF SEGMENT</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>
YOVCU-JINNY	8287	210	244.4	3425.45	32.97	2.92	21.03	0				(CFGBN)/6.35 NM

SEGMENT REMARKS:



INTERMEDIATE

FROM

NATLL

TO

CULIP

RNP

1.00

DISTANCE

4.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	391736.00N/1083303.00W	7723	215	8	4B	500				AC8 PR240	8500
TERRAIN	391736.00N/1083303.00W	7522 (7500)								AS1500	9000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM

CULIP

TO

FEKVA

RNP

0.40

DISTANCE

2.76

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	391654.00N/1083348.00W	7671	215	8	4B	500				AC8 PR220 AT201	8600
TERRAIN	391657.00N/1083418.00W	6965 (7000)								AS1500	8500

COMPUTATIONS

RF SEGMENT

CULIP-FEKVA

ALT

9291

KIAS

210

KTAS

248.3

HAA

4429.74

VKTW

18.27

TR

3.09

BA

18.55

DTA

COURSE CHANGE

0

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

(CFFZX)/2.76 NM

SEGMENT REMARKS:



INTERMEDIATE STEPDOWN

FROM

FEKVA

TO

WURNI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.40	2.76				

<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	391724.00N/1083800.00W	5627	215	8	4B	500				PR90 AC8 AT1575	7800
TERRAIN	391715.00N/1083821.00W	5288 (5300)								AS1500	6800

COMPUTATIONS

RF SEGMENT

FEKVA-WURNI

ALT

8600

KIAS

210

KTAS

245.61

HAA

3738.6

VKTW

21.65

TR

3.07

BA

18.71

DTA

COURSE CHANGE

0

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

(CFFZW)/2.76 NM

SEGMENT REMARKS:

INTERMEDIATE

FROM

CARKU

TO

JINNY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	5.01				

<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	391309.00N/1083721.00W	5207	215	8	4B	500				AC8 AT985	6700
TERRAIN	391415.00N/1083939.00W	4980 (5000)								AS1500	6500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE STEPDOWN

FROM

WURNI

TO

JINNY

RNP

1.00

DISTANCE

3.64

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	391457.00N/1083833.00W	5286	215	8	4B	500				AC8 AT906	6700
TERRAIN	391312.00N/1083721.00W	5055 (5100)								AS1500	6600

COMPUTATIONS

RF SEGMENT

WURNI-JINNY

ALT

7800

KIAS

210

KTAS

242.54

HAA

2938.6

VKTW

19.63

TR

3.08

BA

17.99

DTA

0

COURSE CHANGE

0

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

(CFFZV)/3.64

SEGMENT REMARKS:

FINAL

FROM

JINNY

TO

RW11

RNP

0.10

DISTANCE

5.72

PAT

MAP

DA

HAT

343

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC			MA93	5183

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL

FROM

JINNY

TO

RW11

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.72		DA				506				
<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	390909.00N/1083321.00W	5011	215	8	4B		20.98:1			AC8 MA44	5346

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LEVEL SURFACE

FROM

DA

TO

JNC VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.10-1.00										4923	
<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	390230.00N/1081803.00W	6857	215	8	4B		ASC			AC8	9000
TOWER (08-000494)	390355.93N/1084454.36W	7476	500	125	5E	1000				AC125 PR350	9000
TERRAIN	385818.00N/1084124.00W	7299 (7300)								AS1500	8800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LEVEL SURFACE

FROM

DA

TO

JNC VOR/DME

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 5013				
<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	390915.00N/1083318.00W	5005	215	8	4B		ASC			AC8	9000
TOWER (08-000494)	390355.93N/1084454.36W	7476	500	125	5E	1000				AC125 PR350	9000
TERRAIN	385818.00N/1084124.00W	7299 (7300)								AS1500	8800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MSA

CENTER

RW11

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	390339.00N/1075639.00W	090	28.2	11391	215	8	4B	1000			12400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDV ARTCC, DEN APP CON, GJT TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	GJT		GJT	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS

WX REMARKS:

BACKUP ALTIMETER SOURCE NOT ESTABLISHED, REDUNDANT WEATHER SOURCES AT AIRPORT.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW04 - MIRL, REIL, PAPI-4L		BSC-F	
RW22 - MIRL, REIL		BSC-F	
RW11 - MALSF (PCL), HIRL (PCL), PAPI-4L		PIR-F	APPROACH
RW29 - HIRL (PCL), REIL, VASI-4L		PIR-F	ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	4828.0	50.0			3.00	50.0

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

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-17C	+54C	-17C	+5.37C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2018-2022).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 1023 HIGH TEMP 1349.



"VISUAL PORTION OF FINAL" PENETRATIONS

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.

50 FT TREE HEIGHT USED PER FPT.

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	3.52
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	125.11
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	5000
DISTANCE FROM	THLD	TO 1500FT POINT	5.09
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	125.11
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	5000

THRESHOLD COORDINATES (IF STR-IN)	390759.26N/1083227.57W
ARP COORDINATES	390717.40N/1083131.75W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 11 DISTANCE 1.01 NM
FAF COORDINATES	391116.93N/1083828.27W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ROBERT G HAMILTON (PHILLIP T. HILL01)	AJV-A433	12/12/2023	AERONAUTICAL INFORMATION SPECIALIST

