

**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> 7S6	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 1	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> WHITE SULPHUR SPRINGS	<u>STATE</u> MT
<u>AIRPORT ELEVATION</u> 5065	<u>TDZE</u> 5046	<u>SUPERSEDED</u>	<u>DATED</u> 11E	<u>EPOCH YEAR</u> 2025
<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>
BAXTA		MOMHE		TF	FB	1.00	251.65	30.55	12000
MOMHE		HEDAD		TF	FB	1.00	251.13	6.54	12000
HLN VORTAC		GOUGE		TF	FB	1.00	112.00	18.55	12000
GOUGE		TIRBE		TF	FB	1.00	112.27	18.55	12000
BZN VOR/DME	IAF	JETOX		TF	FB	1.00	002.80	19.21	10400
JETOX		COLOL		TF	FB	1.00	002.89	10.00	8900
NUKUW	IAF	COLOL		TF	FB	1.00	322.75	12.52	8900
HEDAD	IAF	COLOL		TF	FB	1.00	263.52	9.10	8900
TIRBE	IAF	COLOL		TF	FB	1.00	083.25	9.10	8900
COLOL	IF	RUNTY		TF	FB	1.00	353.39	7.01	7400
RUNTY	FAF	SITNE/4.26 NM TO RW01		TF	FB	0.30	008.35	3.01	
SITNE/4.26 NM TO RW01		ALAYY/2.06 NM TO RW01		TF	FB	0.30	008.35	2.20	
ALAYY/2.06 NM TO RW01		RW01	MAP	TF	FO	0.30	008.35	2.06	
RW01	MAP	5500 MSL		CA			008.35		5500
5500 MSL		WEMBO		DF	FB	1.00			9400
WEMBO		ANNEM		TF	FO	1.00	278.14	10.95	9400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5500 THEN CLIMBING LEFT TURN TO 9400 DIRECT WEMBO AND ON TRACK 278.14 TO ANNEM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT COLOL														
3.	FAC:	008.35	FAF:	RUNTY	DIST FAF TO MAP:	7.27	DIST FAF TO THLD:	7.27							
4.	MIN ALT:	COLOL 8900, RUNTY 7400, SITNE/4.26 NM TO RW01 6440, ALAYY/2.06 NM TO RW01 5740													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		250 HAT:	0.67	GS ANT:				
6.	MIN GP INCPT:	7400	GP ALT AT PFAF:	RUNTY 7400					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	39.0							
8.	MSA FROM:	RW01 10700													

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25°C OR ABOVE 54°C.
CHART NOTE: CIRCLING NA TO RWYS 13 AND 31.
CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BAXTA ON V247 SOUTHEAST.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HLN VORTAC AIRWAY RADIALS 062 CW 179.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BZN VOR/DME AIRWAY RADIALS 284 CW 320.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NUKUW ON T268 SOUTHEAST BOUND AND V2 SOUTHEAST BOUND.
CHART NOTE: CIRCLING NA FOR CATS C AND D E OF RWY 01-19.
CHART NOTE: CIRCLING NA FOR ALL CATS E OF RWY 01-19 AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 097.96 INBOUND.
CHART FAS OBST: 5152 TRANSMISSION_LINE (30-100618) 462857N/1105417W.
CHART VDP AT 1.06 NM TO RW01.
WAAS CHANNEL # 81848
REFERENCE PATH ID: W01A
CHART AT OR ABOVE 11700 AT NUKUW.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 3.00 DEGREES.
LTP HAE: 1525.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT B 900-2, CAT C 900-2 3/4, CAT D 900-3

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
LPV DA	5296	1	250	5296	1	250	5296	1	250	5296	1	250			
LNAV/VNAV DA	5313	1	267	5313	1	267	5313	1	267	5313	1	267			
LNAV MDA	5420	1	374	5420	1	374	5420	1	374	5420	1	374			
CIRCLING	5620	1	555	5920	1 1/4	855	5920	2 3/4	855	5920	3	855			

QUALITY
39
CHECKED

TITLE
MANAGER

QUALITY
39
CHECKER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	7S6
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	462913.2960N
LTP/FTP LONGITUDE	1105501.4755W
LTP/FTP ELLIPSOIDAL HEIGHT	+15257
FPAP LATITUDE	463037.3090N
FPAP LONGITUDE	1105418.6470W
THRESHOLD CROSSING HEIGHT (TCH)	00039.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	078D3B46

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+15372
FPAP ORTHOMETRIC HEIGHT	+15372



**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>
7S6	RNAV (GPS) RWY 1	ORIG	WHITE SULPHUR SPRINGS	MT	5065	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM BAXTA **TO** MOMHE

RNP 1.00 **DISTANCE** 30.55 **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	461457.00N/1101842.00W	9397	215	8	4B	2000				AT603	12000
TERRAIN	461457.00N/1101842.00W	9196 (9200)								AS1500	10700

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER: STEPDOWN

FROM MOMHE **TO** HEDAD

RNP 1.00 **DISTANCE** 6.54 **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	461700.00N/1103800.00W	6890	215	8	4B	2000				AT3110	12000
TERRAIN	461700.00N/1103800.00W	6689 (6700)								AS1500	8200

COMPUTATIONS

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

SEGMENT REMARKS:

PER FLIGHT CHECK: SALT LAKE CENTER 133.4 IS UNRELIABLE BELOW 10,000' AT HEDAD. THESE AREAS ARE CONTROLLED BY BIG SKY APPROACH.118.97 IN SOUTH AND HELENA IN WEST.

QUALITY
39
CHECKED

FEEDER

FROM

HLN VORTAC

TO

GOUGE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	18.55										
<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	462718.00N/1114721.00W	8452	215	8	4B	2000				AT1548	12000
TERRAIN	462718.00N/1114721.00W	8251 (8300)								AS1500	9800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FEEDER: STEPDOWN

FROM

GOUGE

TO

TIRBE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	18.55										
<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	461739.00N/1111215.00W	6808	215	8	4B	2000				AT3192	12000
TERRAIN	461739.00N/1111215.00W	6607 (6600)								AS1500	8100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PER FLIGHT CHECK: SALT LAKE CENTER 133.4 IS UNRELIABLE BELOW 10,000' AT TIRBE. THESE AREAS ARE CONTROLLED BY BIG SKY APPROACH.118.97 IN SOUTH AND HELENA IN WEST.



INITIAL

FROM

BZN VOR/DME

TO

JETOX

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	19.21										
<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	455545.00N/1110027.00W	9019	215	8	4B	1000				PR380	10400
TERRAIN	455545.00N/1110027.00W	8818 (8800)								AS1500	10300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

JETOX

TO

COLOL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	10.00										
<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	460539.00N/1105948.00W	7349	215	8	4B	1000				PR240 AT311	8900
TERRAIN	460539.00N/1105948.00W	7148 (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

NUKUW

TO

COLOL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	12.52										
<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	460706.00N/1105051.00W	7533	215	8	4B	1000				PR180 AT187	8900
TERRAIN	460706.00N/1105051.00W	7332 (7300)								AS1500	8800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

HEDAD

TO

COLOL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	9.10										
<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	461312.00N/1105545.00W	6247	215	8	4B	1000				AT1653	8900
TERRAIN	461312.00N/1105545.00W	6046 (6000)								AS1500	7500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

TIRBE

TO

COLOL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	9.10										
<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	461739.00N/1110712.00W	7635				1000				PR190	8900
TERRAIN	461739.00N/1110712.00W	7434 (7400)								AS1500	8900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

COLOL

TO

RUNTY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	7.01										
<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	461736.00N/1110354.00W	6572	215	8	4B	500				PR100 AT228	7400
TERRAIN	461900.00N/1110336.00W	6085 (6100)								AS1000	7100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

RUNTY

TO

RW01

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	7.27		DA				250				
<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>
FENCE (30-101437)	462910.06N/1105457.78W	5055	20	3	1A		34.00:1				5296

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

RUNTY

TO

RW01

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	7.27		DA				267				
<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>
TRANSMISSION_LINE (30-100618)	462856.84N/1105417.02W	5152	20	3	1A	161					5313

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

RUNTY

TO

SITNE/4.26 NM TO RW01

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	3.01										
<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	462251.00N/1105945.00W	6119	215	8	4B	250				XL64	6440

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

SITNE/4.26 NM TO RW01

TO

ALAYY/2.06 NM TO RW01

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.20										
<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	462457.00N/1105718.00W	5479	215	8	4B	250					5740

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

ALAYY/2.06 NM TO RW01

TO

RW01

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.06		RW01		374						
<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>
TRANSMISSION_LINE (30-100618)	462856.84N/1105417.02W	5152	20	3	1A	250					5420

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

ANNEM

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>	<u>HMAS</u>					
0.30						5108					
<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				9400
AAO	463951.00N/1112803.00W	7579	215	8	4B	1000				PR300	8900
TERRAIN	463951.00N/1112803.00W	7378 (7400)								AS1500	8900

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

ANNEM

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>	<u>HMAS</u>					
0.30						5152					
<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				9400
AAO	463951.00N/1112803.00W	7579	215	8	4B	1000				PR300	8900
TERRAIN	463951.00N/1112803.00W	7378 (7400)								AS1500	8900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW01

TO

ANNEM

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00										5320	
<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				9400
AAO	463951.00N/1112803.00W	7579	215	8	4B	1000				PR300	8900
TERRAIN	463951.00N/1112803.00W	7378 (7400)								AS1500	8900

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 (30-100467)	462956.32N/1105230.10W	1.40	555	5313	20	10	1B	300			5620
CATEGORY B											
TERRAIN (30-102986)	462809.35N/1105240.98W	2.00	855	5607	20	10	1B	300			5920
CATEGORY C											
TOWER (30-020663)	463239.24N/1105343.84W	3.16	855	5289	20	3	1A	300			5920
CATEGORY D											
AAO	462612.00N/1105906.00W	4.15	855	5529	215	8	4B	300			5920

CIRCLING REMARKS:

MSA

CENTER

RW01

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	462557.00N/1111109.00W	243	11.6	9692	215	8	4B	1000			10700

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> 7S6	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> 7S6	<u>DISTANCE</u> 0.10	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 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>

WX REMARKS:

REDUNDANT WEATHER AVAILABLE, NO BACKUP REQUIRED.

<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			
RW31			
RW01 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	
RW19 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 5043.4	<u>TCH</u> 39.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 39.0
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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> -25C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -25C	<u>APT ISA</u> +4.97C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 1026 HIGH TEMP 1353.

"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.

"CHART NOTE: CIRCLING NA FOR ALL CATS E OF RWY 01-19 AT NIGHT" PER FLIGHT CHECK DUE TO TERRAIN.
VGSI NON-COINCIDENT NOTE REQUIRED PER FLIGHT INSPECTION; PILOT IDENTIFIED SMALL VISUAL VARIATION BETWEEN THE ELECTRONIC GLIDEPATH AND THE PAPIS.
SALT LAKE CENTER 133.4 IS UNABLE IS UNRELIABLE BELOW 12,000' AT TIRBE AND HEDAD, AND 10,000 FOR BZN VOR/DME. THESE AREAS ARE CONTROLLED BY BIG SKY APPROACH.118.97
IN SOUTH AND HELENA IN WEST UNTIL TIRBE THEN BACK TO BIG SKY. PER FC, ATC, AND FPT.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #24-ANM-85

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	5.78
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	019.35
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	5900
DISTANCE FROM	FAF	TO 1500FT POINT	4.41
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.23
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	004.39
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	6100
THRESHOLD COORDINATES (IF STR-IN)	462913.30N/1105501.48W		
ARP COORDINATES	462944.08N/1105442.90W		
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 1 DISTANCE 0.56 NM		
FAF COORDINATES	462221.78N/1105830.70W		
FIX NAME COORDINATES			

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
DANIEL WESTON	AJV-A422	03/08/2024	AERONAUTICAL INFORMATION SPECIALIST

