

Est. AATD Time – 1.0 Hour

**Objectives**

- Calculate aircraft performance to determine compliance with departure procedure.
- Determine route based on aircraft performance and airspace restrictions.
- Determine alternate requirements.
- Obtain clearance from ATC.
- Fly two instrument approach procedures.
- Perform missed approach.
- Perform standard holds.

**Briefing**

Arrive to briefing with planning completed using weather and information contained in the Pilot Briefing Packet. Assume the aircraft is full fuel and loaded to max gross weight. Everything is operational unless indicated by instructor. The Mission Table can be used as a guide to review regulatory and advisory source material. The briefing will cover your questions that arose during the planning process as well as quizzing by the instructor to ensure a working knowledge of the IFR system.

**LOFT**

Line-Oriented Flight Training (LOFT) is designed to focus on critical thinking and decision making skills rather than procedures. It is assumed that you can meet Instrument-Airplane PTS though the LOFT can be used to address areas of deficiency.

To maximize the training impact approach the simulator as if you were really conducting your planned flight single-pilot IFR. Complete all checklists, procedures and communications as if you are in the airplane. Minor difference will exist between the simulator and airplane (ie alt static source) so verbalize what you are doing when such instances occur. The instructor will act as ATC throughout the flight so treat him/her as such. He/She will provide any assistance you could expect from ATC, provided you ask.

The simulator will not fly exactly like the airplane. The performance characteristics are very close but the controls will seem more sensitive than the airplane. This is normal and you must scan your instruments at a higher rate than normally required to maintain the desired flight attitude. While sometimes frustrating it forces you to increase your instrument scan proficiency so that flying the airplane seems easy in comparison.

Use the automation as appropriate to reduce cockpit workload and increase situational awareness. If you think using the autopilot is cheating – that couldn't be more untrue. The autopilot may someday save your life but you must understand its capabilities and limitations.

**Completion Standards**

- Correctly determines the aircraft can comply with departure procedure performance requirements.
- Completes flight plan with appropriate alternate airport.
- Uses ATC assistance to reduce workload and increase situational awareness.
- Fly two approach procedures to instrument PTS standards.
- Executes missed approach procedures
- Correctly executes standard holding pattern

<b>Activity</b>	<b>Task</b>	<b>Reference</b>	<b>Notes</b>
<b>Flight Planning</b>	Preflight Requirements	FAR 91.103, 91.167, AIM 5-1-1	
	NOTAMs	AIM 5-1-3	
	Aircraft Airworthiness	FAR 91.205	
	VOR/GPS Currency	FAR 91.171	
	Route Selection / Flight Plan	AIM 5-1-4	
	Weather Considerations		
	W&B / Performance	POH	
<b>Departure</b>	Instrument Cockpit Check		
	Takeoff Minimums	AIM 5-2-8	
	Obstacle Departure Procedure	AIM 5-2-8	
	Standard Instrument Dept	AIM 5-2-8	
	Runway Selection		
	Departure Clearances	AIM 5-2-1, 5-2-6	
<b>Enroute</b>	MEA, MOCA, OROCA	AIM 4-4-9	
	GPS Direct	AIM 4-4-9	
	IFR Communications	FAR 91.183, 91.187, AIM 5-3-3	
	Descent Planning		
	Standard Terminal Arrivals	AIM 5-4-1	
<b>Approach</b>	Approach Selection	AIM 5-4-4	
	Transition: Vectors / Feeders	AIM 5-4-5	
	ILS	AIM 1-1-9, 5-4-5	
	Localizer	AIM 1-1-9, 5-4-5	
	GPS: LNAV/VNAV/LPV	AIM 1-1-19, 5-1-16	
	VOR	AIM 1-1-3, 5-4-5	
	NDB	AIM 1-1-2, 5-4-5	
	ASR / PAR	AIM 5-4-3, 5-4-11	
	Visual / Contact	AIM 5-4-23 AIM 5-4-25	
	Circling	AIM 5-4-20	
	Visual Descent Point	AIM 5-4-5	
	Transition to VMC	FAR 91.175	
	Missed Approach	AIM 5-4-21	
<b>Holding</b>	Standard / Non-Standard	AIM 5-3-7	
	Fuel Planning		
	Communication Requirements	AIM 4-4-3	
<b>Emergency</b>	Lost Communications	FAR 91.185	
	Vacuum System	POH	
	Pitot-Static System	POH	
	Electrical	POH	
	Instrument	POH	
	AHRS, ADC, Display	POH	
<b>SRM</b>	Task Management		
	Automation Management		
	Aeronautical Decision Making		
	Situational Awareness		
	Controlled Flight into Terrain		

## Pilot Briefing Packet

**This briefing packet contains a standard DUATS weather briefing for the route/area described for the LOFT. Some information such as NOTAMS are been omitted and can be assumed not applicable for this flight.**

\*\*\*\*\* Departure Closest Terminal Weather \*\*\*\*\*

METAR KHLN 291853Z 33013KT 10SM BKN050 M09/M16 A3006 RMK AO2 SLP247  
T10891161

TAF KHLN 291739Z 2918/3018 36013G20KT P6SM VCSH BKN030 OVC060  
FM292200 25008KT P6SM SCT025 OVC050  
FM300900 25007KT P6SM VCSH OVC025

!HLN 01/021 HLN RWY 5/23 PAPI OTS WEF 1301291035  
!HLN 12/016 HLN NAV TACAN AZM OTS WEF 1212241230

\*\*\*\*\* Destination Closest Terminal Weather \*\*\*\*\*

METAR KBZN 291856Z 33012KT 10SM SCT065 SCT075 OVC090 M07/M11 A2994  
RMK AO2 SLP186 T10671111

TAF KBZN 291739Z 2918/3018 30007KT P6SM VCSH SCT040 BKN060 TEMPO  
2918/2920 4SM -SN BKN035  
FM292000 35010KT P6SM SCT030 BKN050  
FM300400 27009KT P6SM VCSH OVC030  
FM300900 24010KT 5SM -SN BR SCT012 OVC020

No Notams available for BZN

\*\*\*\*\* Alternate Closest Terminal Weather \*\*\*\*\*

METAR KBTM 291853Z AUTO 01004KT 1/2SM SN FEW008 BKN017 OVC038  
M06/M09 A2988 RMK AO2 SNB13 SLP172 P0001 T10611089  
SPECI KBTM 291858Z AUTO VRB03KT 1SM -SN BKN011 OVC017 M06/M09 A2988  
RMK AO2 P0000  
SPECI KBTM 291904Z AUTO 29005KT 3SM -SN BR BKN011 OVC015 M07/M08  
A2988 RMK AO2 P0000  
SPECI KBTM 291935Z AUTO 01008KT 10SM FEW013 BKN070 OVC100 M07/M12  
A2989 RMK AO2 SNE08 P0000

TAF AMD KBTM 291942Z 2920/3018 01008KT P6SM FEW013 BKN070 OVC100  
FM292200 35015KT 5SM -SN OVC040  
FM300400 VRB06KT P6SM VCSH BKN040 OVC050

!BTM 08/028 BTM RWY 15/33 NONSTD MARKING WEF 1208141510  
!BTM 11/009 BTM NAV ILS RWY 15 LLZ/GP UNMONITORED WEF 1211132128

\*\*\*\*\* FA Hazards and Flight Precautions \*\*\*\*\*

current report not available

\*\*\*\*\* FA Synopsis and VFR Clouds/Weather \*\*\*\*\*

SLCC FA 291145  
SYNOPSIS AND VFR CLDS/WX  
SYNOPSIS VALID UNTIL 300600  
CLDS/WX VALID UNTIL 300000...OTLK VALID 300000-300600  
ID MT WY NV UT CO AZ NM

SEE AIRMET SIERRA FOR IFR CONDS AND MTN OBSCN.

TS IMPLY SEV OR GTR TURB SEV ICE LLWS AND IFR CONDS.  
NON MSL HGTS DENOTED BY AGL OR CIG.

.  
SYNOPSIS...12Z CDFNT FM LOW PRES NERN MT-CNTRL MT-NW MT. HI PRES  
NW CO. TROF DEN-SE CO-LOW PRES SW KS. UPR TROF NERN MT-SRN AZ.  
STG UPR SHORTWAVE TROF SE BC-SCNTRL ID. 06Z STNR FNT NW MT-SCNTRL  
MT THEN CDFNT TO SCNTRL WY-NERN CO-SW WI. CDFNT LH-NCNTRL TX-SE  
NM-CNTRL AZ-SE NV. HI PRES WRN SASK-NERN WY.

.  
MT  
NW OF CONTDVD...BKN080 TOP FL180. 13Z OVC050. VIS 3-5SM -SN. 18Z  
BKN070. WDLY SCT -SHSN. OTLK...VFR SHSN.  
SWRN MTNS...BKN130 TOP FL200. ISOL -SHSN. 15Z OVC060. VIS 3-5SM  
-SN. WND NW G25KT. 21Z BKN110. ISOL -SHSN. OTLK...VFR.  
ERN SLPS-NCNTRL...BKN045 OVC100 TOP FL180. OCNL VIS 3-5SM -SN BR.  
WND N G25KT. 19Z OVC050-060. VIS 3-5SM -SN BR. WND N G25KT. 22Z  
BKN080 TOP 140. OTLK...VFR.  
SCNTRL...BKN080 TOP FL220. SCT -SHSN. 18Z OVC050. VIS 3-5SM -SN  
BR. WND N G25KT. OTLK...MVFR CIG SN BR WND.  
ERN...BKN120 TOP 150. 15Z OVC050. VIS 3-5SM BR. SCT -SHSN. 18Z  
OVC035. VIS 3SM -SN BLSN. WND NW 20G35KT. OTLK...IFR CIG SN BLSN  
WND.

.  
\*\*\*\*\* FA Turbulence \*\*\*\*\*  
current report not available

\*\*\*\*\* SIGMETs \*\*\*\*\*  
current report not available

\*\*\*\*\* Convective SIGMET \*\*\*\*\*  
MKCW WST 291855  
CONVECTIVE SIGMET...NONE  
OUTLOOK VALID 292055-300055  
TS ARE NOT EXPD.

\*\*\*\*\* Center Weather Advisory \*\*\*\*\*  
current report not available

\*\*\*\*\* AIRMETs \*\*\*\*\*  
SLCS WA 291721 AMD  
AIRMET SIERRA UPDT 3 FOR IFR AND MTN OBSCN VALID UNTIL 292100

.  
.  
.  
AIRMET IFR...MT  
FROM 40S YQL TO 50NNW ISN TO 50W DIK TO MLS TO DLN TO 40S YQL  
CIG BLW 010/VIS BLW 3SM PCPN/BR/BLSN. CONDS CONTG BYD 21Z THRU  
03Z.

.  
...NEW AIRMET...

.  
AIRMET IFR...CO...UPDT  
FROM GLD TO 50S GLD TO 50W LBL TO 30N CIM TO 30WNW PUB TO 60SSW  
AKO TO GLD  
CIG BLW 010/VIS BLW 3SM PCPN/BR. CONDS ENDG 18-21Z.

AIRMET MTN OBSCN...ID MT WY NV UT CO AZ WA OR CA  
 FROM 60SSW YXH TO 20SE SHR TO 30WSW LAR TO 50SSE OCS TO 20S JNC  
 TO 50SSE BCE TO 40SW OAL TO 50ENE RBL TO 20SSW FOT TO 70W OED TO  
 40S HQM TO 20W TOU TO HUH TO 60SSW YXH  
 MTNS OBSC BY CLDS/PCPN/BR. CONDS CONTG BYD 21Z THRU 03Z.

.  
 AIRMET MTN OBSCN...WY CO AZ NM  
 FROM 20NW CYS TO 30S TBE TO 40E FTI TO 20N TCS TO 50NW SSO TO  
 40W SJN TO 50S DVC TO 60SSE OCS TO 20NW CYS  
 MTNS OBSC BY CLDS/PCPN/BR. CONDS CONTG BYD 21Z ENDG 21-00Z.

....  
 SLCT WA 291445  
 AIRMET TANGO UPDT 2 FOR TURB AND STG SFC WNDZ VALID UNTIL 292100

.  
 AIRMET TURB...ID MT WY NV UT AZ NM WA OR CA  
 FROM 70S YYN TO 20SSE MTU TO 20NW DVC TO 80SW RSK TO ELP TO 50S  
 TUS TO BZA TO 20S MZB TO 20SE LAX TO 30ENE BTY TO 70ESE YDC TO  
 70S YYN  
 MOD TURB BTN FL180 AND FL410. CONDS CONTG BYD 21Z THRU 03Z.

.  
 OTLK VALID 2100-0300Z...TURB ID MT WY NV UT CO AZ NM  
 BOUNDED BY 40SSW YXC-50NNW ISN-50WSW LAR-40E JNC-50ENE SJN-50SSE  
 ABQ-30WNW CME-60W INK-ELP-50S TUS-60SW ILC-50NW ELY-40SSW YXC  
 MOD TURB BTN FL180 AND FL410. CONDS CONTG THRU 03Z.

....  
 SLCZ WA 291445  
 AIRMET ZULU UPDT 2 FOR ICE AND FRZLVL VALID UNTIL 292100

.  
 FRZLVL...RANGING FROM SFC-060 ACRS AREA  
 SFC ALG 20S EED-50SE EED-30S PHX-50SSE TUS  
 SFC ALG 40SE DMN-50N CME-40ENE LAA

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 \*\*\*\*\* Surface Observations \*\*\*\*\*  
 METAR KHLN 291853Z 33013KT 10SM BKN050 M09/M16 A3006 RMK AO2 SLP247  
 T10891161  
 METAR KBZN 291856Z 33012KT 10SM SCT065 SCT075 OVC090 M07/M11 A2994  
 RMK AO2 SLP186 T10671111

\*\*\*\*\* Pilot Reports \*\*\*\*\*  
 current report not available

\*\*\*\*\* Radar Summaries \*\*\*\*\*  
 MSX 1935 AREA 5S 313/53 182/73 83W MT 160 214/32  
 AUTO  
 ^KL1 LK1221 MK1221 NL111 OL11

TFX 1935 AREA 5SW++ 271/28 113/30 37W MT 110 199/38  
 AUTO

^ML224 NN2

BLX 1935 AREA 4SW+ 209/72 94/61 88W  
 AUTO  
 ^LO1 MM321 NM111 OL1 ON11

SFX 1935 CELL TSWXX 67/36 D4  
 AREA 2SW++ 359/70 189/91 90W  
 AUTO  
 ^JM1 KL11 LM1 LO6 ML142 NL222 OL1 PL1

RIW 1935 AREA 4S 342/40 192/38 61W  
 AUTO  
 ^KL1 LL111 ML22 NL12

\*\*\*\*\* Terminal Forecasts \*\*\*\*\*

TAF KHLN 291739Z 2918/3018 36013G20KT P6SM VCSH BKN030 OVC060  
 FM292200 25008KT P6SM SCT025 OVC050  
 FM300900 25007KT P6SM VCSH OVC025  
 TAF KBZN 291739Z 2918/3018 30007KT P6SM VCSH SCT040 BKN060 TEMPO  
 2918/2920 2SM -SN BKN025  
 FM292000 35010KT P6SM SCT030 BKN050  
 FM300400 27009KT P6SM VCSH OVC030  
 FM300900 24010KT 5SM -SN BR SCT012 OVC020

\*\*\*\*\* FD Winds Aloft Forecast \*\*\*\*\*

DATA BASED ON 291200Z  
 VALID 291800Z FOR USE 1400-2100Z. TEMPS NEG ABV 24000  
 FT 3000 6000 9000 12000 18000 24000 30000 34000 39000  
 GTF 3514 3315-18 3114-24 3326-38 3454-40 359044 357545 345147  
 DLN 3512-16 3320-23 3235-36 3586-37 851945 359948 356349

DATA BASED ON 291200Z  
 VALID 300000Z FOR USE 2100-0600Z. TEMPS NEG ABV 24000  
 FT 3000 6000 9000 12000 18000 24000 30000 34000 39000  
 GTF 3011 3021-18 3020-24 3569-27 8516-32 853146 852154 347754  
 DLN 3217-15 3330-22 3583-25 8517-31 853046 852754 358855

\*\*\*\*\* NOTAMs \*\*\*\*\*

\*\*\*\*\* Runway NOTAMs \*\*\*\*\*

!GTF 01/116 GTF RWY 7/25 FICON 2 IN LSR WEF 1301291823  
 !GTF 01/113 GTF RWY 3/21 FICON THN LSR WEF 1301291818  
 !GTF 01/115 GTF RWY 16/34 FICON 2 IN LSR WEF 1301291820  
 !HLN 01/021 HLN RWY 5/23 PAPI OTS WEF 1301291035  
 !GTF 12/099 9S5 RWY 2 PAPI OTS  
 !DLN 08/009 DLN RWY 35 PAPI OTS

\*\*\*\*\* Aerodrome NOTAMs \*\*\*\*\*

!GTF 01/114 GTF AD ALL SURFACES WORK IN PROGRESS SNOW REMOVAL WEF  
 1301291815  
 !GTF 11/103 8U8 AD ALL SURFACES WORK IN PROGRESS SNOW REMOVAL WEF  
 1211161442

\*\*\*\*\* Obstruction NOTAMs \*\*\*\*\*

## \*\*\*\*\* Navigation NOTAMs \*\*\*\*\*

!GPS 01/084 ZLC NAV GPS IS UNRELIABLE AND MAY BE UNAVAILABLE WITHIN A RADIUS OF 374NM AND CENTERED AT N373036W1163257 OR THE LOCATION ALSO KNOWN AS THE BEATTY, NV VOR (BTY) 013 RADIAL AT 44NM AT FL400 AND ABOVE; DECREASING IN AREA WITH A DECREASE IN ALTITUDE TO A RADIUS OF 314NM AT FL250; A RADIUS OF 243NM AT 10,000FT MSL; A RADIUS OF 213NM AT 4,000FT AGL; AND A RADIUS OF 171NM AT 50FT AGL

WEF 1301300300-1301300600

!GPS 01/158 ZLC NAV GPS IS UNRELIABLE AND MAY BE UNAVAILABLE WITHIN A RADIUS OF 270 NM AND CENTERED AT N365130W1153030 OR THE LOCATION ALSO KNOWN AS THE BEATTY, NV VOR (BTY) 086 RADIAL AT 59NM AT FL400 AND ABOVE; DECREASING IN AREA WITH A DECREASE IN ALTITUDE TO A RADIUS OF 217NM AT FL250; A RADIUS OF 139NM AT 10,000FT MSL; A RADIUS OF 139NM AT 4,000FT AGL; AND A RADIUS OF 96NM AT 50FT AGL

WEF 1301302000-1301302230

!GPS 01/147 ZLC NAV GPS IS UNRELIABLE AND MAY BE UNAVAILABLE WITHIN A RADIUS OF 278 NM AND CENTERED AT 352635N/1163856W OR THE LOCATION ALSO KNOWN AS THE HECTOR, CA VOR (HEC) 347 DEGREE RADIAL AT 40 NM AT FL400 AND ABOVE; DECREASING IN AREA WITH A DECREASE IN ALTITUDE TO A RADIUS OF 229 NM AT FL250; A RADIUS OF 156 NM AT 10,000FT MSL; A RADIUS OF 149 NM AT 4,000FT AGL; AND A RADIUS OF 109 NM AT 50FT AGL.

0900-1200 DLY WEF 1301260900-1302011200

!GPS 01/152 ZLC NAV GPS IS UNRELIABLE AND MAY BE UNAVAILABLE WITHIN A RADIUS OF 278 NM AND CENTERED AT 352635N/1163856W OR THE LOCATION ALSO KNOWN AS THE HECTOR, CA VOR (HEC) 347 DEGREE RADIAL AT 40 NM AT FL400 AND ABOVE; DECREASING IN AREA WITH A DECREASE IN ALTITUDE TO A RADIUS OF 229 NM AT FL250; A RADIUS OF 156 NM AT 10,000FT MSL; A RADIUS OF 149 NM AT 4,000FT AGL; AND A RADIUS OF 109 NM AT 50FT AGL.

WEF 1301312100-1301312230

!HLN 12/016 HLN NAV TACAN AZM OTS WEF 1212241230

!HLN 10/030 HAU NAV NDB OTS

## \*\*\*\*\* Communication NOTAMs \*\*\*\*\*

## \*\*\*\*\* Airspace NOTAMs \*\*\*\*\*

!CARF 09/239 ZLC AIRSPACE LUCIN A/B STATIONARY ALTITUDE RESERVATION WITHIN AN AREA BNDD BY THE LATERAL CONFINES OF LUCIN A/B MOA 7500-17999 TIL 1309261800

!SUAW 01/890 ZLC AIRSPACE LUCIN C MOA ACT 100FT AGL-6500FT WEF 1301300001-1301300659

!SUAW 01/889 ZLC AIRSPACE LUCIN B MOA ACT 100FT AGL-7500FT WEF 1301300001-1301300659

!CARF 01/123 ZLC AIRSPACE DCC EX CANNONBALL PART 4 STATIONARY RESERVATION WITHIN AN AREA BNDD BY 4550N/11220W 4550N/11140W 4500N/11140W 4500N/11220W FL250-FL280 WEF 1301292000-1301292200

!SUAW 01/822 ZLC AIRSPACE R6412A ACT SFC-9000FT WEF 1301291300-1301300500

!CDC 05/082 ZLC AIRSPACE LGTS OUT/NVG TRNG NIGHT VISION GOGGLES REVELLE NORTH/SOUTH MOAS/ATCAA ALL ALTS AVOIDANCE ADVISED NIGHT

!CDC 05/083 ZLC AIRSPACE LGTS OUT/NVG TRNG NIGHT VISION GOGGLES HAYS/MOA BEARPAW/ATCAA ALL ALTS AVOIDANCE ADVISED NIGHT

!CDC 05/084 ZLC AIRSPACE LGTS OUT/NVG TRNG NIGHT VISION GOGGLES OWYHEE MOA/ATCAA ALL ALTS AVOIDANCE ADVISED NIGHT

!CDC 05/087 ZLC AIRSPACE LGTS OUT/NVG TRNG NIGHT VISION GOGGLES JARBIDGE MOA/ATCAA ALL ALTS AVOIDANCE ADVISED NIGHT

!CDC 05/088 ZLC AIRSPACE LGTS OUT/NVG TRNG NIGHT VISION GOGGLES SEVIER A/B, C/D MOAS ALL ALTS AVOIDANCE ADVISED NIGHT

!CDC 05/089 ZLC AIRSPACE LGTS OUT/NVG TRNG NIGHT VISION GOGGLES  
 LUCIN A/B/C, LUCIN ALTRV ALL ALTS AVOIDANCE ADVISED NIGHT  
 !CDC 05/090 ZLC AIRSPACE LGTS OUT/NVG TRNG NIGHT VISION GOGGLES  
 GANDY MOA ALL ALTS AVOIDANCE ADVISED NIGHT  
 !CDC 10/099 ZLC AIRSPACE LGTS OUT/NVG TRNG NIGHT VISION GOGGLES  
 PARADISE SOUTH MOA/ATCAA ALL ALTS AVOIDANCE ADVISED NIGHT  
 !CDC 10/100 ZLC AIRSPACE LGTS OUT/NVG TRNG NIGHT VISION GOGGLES  
 PARADISE NORTH MOA/ATCAA ALL ALTS AVOIDANCE ADVISED NIGHT  
 !SUAW 01/825 ZLC AIRSPACE SEVIER C MOA ACT 14500FT UP TO BUT NOT  
 INCLUDING FL180 WEF 1301291500-1301292359  
 !SUAW 01/864 ZLC AIRSPACE HAYS MOA ACT 300FT AGL UP TO BUT NOT  
 INCLUDING FL180 WEF 1301292000-1301292200  
 !SUAW 01/824 ZLC AIRSPACE SEVIER D MOA ACT 9500FT UP TO BUT NOT  
 INCLUDING FL180 WEF 1301291500-1301292359  
 !SUAW 01/861 ZLC AIRSPACE AR337 ACT FL210-FL230 WEF  
 1301291835-1301292035  
 !SUAW 01/821 ZLC AIRSPACE R6412C ACT SFC-9000FT WEF  
 1301291300-1301300500  
 !SUAW 01/846 ZLC AIRSPACE SADDLE B MOA ACT 8000FT UP TO BUT NOT  
 INCLUDING FL180 WEF 1301291630-1301300230  
 !SUAW 01/891 ZLC AIRSPACE LUCIN A MOA ACT 100FT AGL-9000FT WEF  
 1301300001-1301300659  
 !SUAW 01/845 ZLC AIRSPACE SADDLE A MOA ACT 10000FT UP TO BUT NOT  
 INCLUDING FL180 WEF 1301291630-1301300230  
 !SUAW 01/848 ZLC AIRSPACE IR200 ACT 500FT AGL-12000FT A TO H WEF  
 1301291700-1301300200

\*\*\*\*\* Taxiway NOTAMS \*\*\*\*\*

!GTF 01/117 GTF TWY A,A1,A2,A3,A7,R1 FICON THN LSR WEF 1301291826  
 !GTF 03/066 GTF TWY R3 CLSD WEF 1203211655  
 !GTF 01/118 GTF TWY A5,A6,R2,R4,R5 FICON 3 IN LOOSE SN WEF 1301291832

\*\*\*\*\* Ramp/Apron NOTAMS \*\*\*\*\*

!GTF 01/119 GTF APRON FEDEX,NORTH FBO,SOUTH FBO FICON 3 IN LOOSE SN  
 WEF 1301291832  
 !GTF 09/012 GTF APRON TERMINAL RAMP WORK IN PROGRESS  
 CONSTRUCTION USE CAUTION 1300-0000 DLY  
 !GTF 01/121 GTF APRON TERMINAL RAMP FICON THN LOOSE SN WEF 1301291833  
 !GTF 01/122 GTF APRON TERMINAL RAMP FICON THN LOOSE SN WEF 1301291852

\*\*\*\*\* Service NOTAMS \*\*\*\*\*

!DLN 01/001 DLN SVC ASOS VIS NOT AVBL WEF 1301112152

\*\*\*\*\* Unverified Aeronautic Information NOTAMS \*\*\*\*\*

\*\*\*\*\* Other NOTAMS \*\*\*\*\*

\*\*\*\*\* NOTAMS without keywords \*\*\*\*\*

\*\*\*\*\* FDC NOTAMS \*\*\*\*\*

!FDC 3/5093 ZLC UT.. FLIGHT RESTRICTIONS ROOSEVELT, UT.  
 EFFECTIVE IMMEDIATELY UNTIL FURTHER NOTICE.  
 PURSUANT TO 14 CFR SECTION 91.137(A)(2) TEMPORARY FLIGHT  
 RESTRICTIONS ARE IN EFFECT WITHIN A 2 NAUTICAL MILE RADIUS OF  
 402002N/1095932W OR THE MYTON /MTU/ VOR/DME 015 DEGREE RADIAL AT  
 12.6 NAUTICAL MILES AT AND BELOW 12000 FEET MSL TO PROVIDE A SAFE  
 ENVIRONMENT FOR FIRE FIGHTING AIRCRAFT OPERATIONS. DUCHESNE SHERIFF



DEPARTMENT, TELEPHONE 435-738-2015/OIL WELL FIRE, IS IN CHARGE OF THE OPERATION. SALT LAKE /ZLC/ ARTCC, TELEPHONE 801-320-2560, IS THE FAA COORDINATION FACILITY.

!FDC 3/2987 ZLC ID.. FI/T ROUTE ZLC.

V444-V500 V444-V500 SOLDE, ID TO DERSO, ID MOCA 10400.

!FDC 2/4264 ZLC FI/T ROUTE ZLC ZSE.

V448 KILLY, MT TO KALISPELL (FCA) VOR/DME, MT GNSS MEA 8600, MOCA 8600.

!FDC 2/4262 ZLC FI/T ROUTE ZLC ZSE.

V448 CLASS, ID TO OLIBY, MT 13000 MEA.

!FDC 2/3804 ZLC FI/T ROUTE ZLC ZMP.

V430 WILLISTON (ISN), ND VORTAC TO MINOT (MOT), ND VORTAC MEA 5000.

!FDC 2/3793 ZLC MT.. FI/T ROUTE ZLC.

V430 CUT BANK (CTB), MT VORTAC TO HAVRE (HVR), MT VOR/DME MEA 6800.

!FDC 2/1673 ZLC ID.. FI/T ROUTE ZLC.

V101 HAILEY (HLE) NDB/DME, ID TO SOLDE, ID MEA 9000.

!FDC 2/1672 ZLC ID.. FI/T ROUTE ZLC.

V101 REAPS, ID TO HAILEY (HLE) NDB/DME, ID MEA 9300.

!FDC 2/1542 ZLC ID.. FI/T ROUTE ZLC.

V484 FROM HAILEY (HLE) NDB, ID TO KINZE, ID SE BOUND MEA 9300.

!FDC 3/5048 HLN FI/T IAP HELENA RGNL, HELENA, MT.

RNAV (GPS) RWY 23, ORIG...

PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

!FDC 3/4070 HLN FI/T IAP HELENA RGNL, HELENA, MT.

RNAV (RNP) Z RWY 27, ORIG-A...

RNAV (GPS) X RWY 27, AMDT 1A...

RNAV (RNP) Y RWY 27, ORIG-B...

NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

!FDC 2/4845 HLN FI/T IAP HELENA RGNL, HELENA, MT.

ILS OR LOC Z RWY 27, AMDT 1...

ILS OR LOC Y RWY 27, AMDT 3...

NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

\*\*\*\*\* Alternate BTM \*\*\*\*\*

\*\*\*\*\* FA Hazards and Flight Precautions \*\*\*\*\*  
current report not available

\*\*\*\*\* FA Synopsis and VFR Clouds/Weather \*\*\*\*\*

SLCC FA 291145

SYNOPSIS AND VFR CLDS/WX

SYNOPSIS VALID UNTIL 300600

CLDS/WX VALID UNTIL 300000...OTLK VALID 300000-300600

ID MT WY NV UT CO AZ NM

.  
SEE AIRMET SIERRA FOR IFR CONDS AND MTN OBSCN.  
TS IMPLY SEV OR GTR TURB SEV ICE LLWS AND IFR CONDS.  
NON MSL HGTS DENOTED BY AGL OR CIG.  
.

.  
SYNOPSIS...12Z CDFNT FM LOW PRES NERN MT-CNTRL MT-NW MT. HI PRES  
NW CO. TROF DEN-SE CO-LOW PRES SW KS. UPR TROF NERN MT-SRN AZ.  
STG UPR SHORTWAVE TROF SE BC-SCNTRL ID. 06Z STNR FNT NW MT-SCNTRL  
MT THEN CDFNT TO SCNTRL WY-NERN CO-SW WI. CDFNT LH-NCNTRL TX-SE  
NM-CNTRL AZ-SE NV. HI PRES WRN SASK-NERN WY.  
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\*\*\*\*\* FA Turbulence \*\*\*\*\*  
current report not available

\*\*\*\*\* SIGMETs \*\*\*\*\*  
current report not available

\*\*\*\*\* Convective SIGMET \*\*\*\*\*  
current report not available

\*\*\*\*\* Center Weather Advisory \*\*\*\*\*  
current report not available

\*\*\*\*\* AIRMETS \*\*\*\*\*  
SLCS WA 291721 AMD  
AIRMET SIERRA UPDT 3 FOR IFR AND MTN OBSCN VALID UNTIL 292100

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...NEW AIRMET...

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AIRMET IFR...CO...UPDT  
FROM GLD TO 50S GLD TO 50W LBL TO 30N CIM TO 30WNW PUB TO 60SSW  
AKO TO GLD  
CIG BLW 010/VIS BLW 3SM PCPN/BR. CONDS ENDG 18-21Z.

.  
AIRMET MTN OBSCN...ID MT WY NV UT CO AZ WA OR CA  
FROM 60SSW YXH TO 20SE SHR TO 30WSW LAR TO 50SSE OCS TO 20S JNC  
TO 50SSE BCE TO 40SW OAL TO 50ENE RBL TO 20SSW FOT TO 70W OED TO  
40S HQM TO 20W TOU TO HUH TO 60SSW YXH  
MTNS OBSC BY CLDS/PCPN/BR. CONDS CONTG BYD 21Z THRU 03Z.

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AIRMET MTN OBSCN...WY CO AZ NM  
FROM 20NW CYS TO 30S TBE TO 40E FTI TO 20N TCS TO 50NW SSO TO  
40W SJN TO 50S DVC TO 60SSE OCS TO 20NW CYS  
MTNS OBSC BY CLDS/PCPN/BR. CONDS CONTG BYD 21Z ENDG 21-00Z.  
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SLCT WA 291445  
AIRMET TANGO UPDT 2 FOR TURB AND STG SFC WINDS VALID UNTIL 292100

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OTLK VALID 2100-0300Z...TURB ID MT WY NV UT CO AZ NM  
BOUNDED BY 40SSW YXC-50NNW ISN-50WSW LAR-40E JNC-50ENE SJN-50SSE  
ABQ-30WNW CME-60W INK-ELP-50S TUS-60SW ILC-50NW ELY-40SSW YXC  
MOD TURB BTN FL180 AND FL410. CONDS CONTG THRU 03Z.

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\*\*\*\*\* Surface Observations \*\*\*\*\*

METAR KBTM 291853Z AUTO 01004KT 1/2SM SN FEW008 BKN017 OVC038  
M06/M09 A2988 RMK AO2 SNB13 SLP172 P0001 T10611089  
SPECI KBTM 291858Z AUTO VRB03KT 1SM -SN BKN011 OVC017 M06/M09 A2988  
RMK AO2 P0000  
SPECI KBTM 291904Z AUTO 29005KT 3SM -SN BR BKN011 OVC015 M07/M08  
A2988 RMK AO2 P0000  
SPECI KBTM 291935Z AUTO 01008KT 10SM FEW013 BKN070 OVC100 M07/M12  
A2989 RMK AO2 SNE08 P0000

\*\*\*\*\* Terminal Forecast \*\*\*\*\*

TAF AMD KBTM 291942Z 2920/3018 01008KT P6SM FEW013 BKN070 OVC100  
FM292200 35015KT 5SM -SN OVC040  
FM300400 VRB06KT P6SM VCSH BKN040 OVC050

\*\*\*\*\* NOTAMs \*\*\*\*\*

!BTM 08/028 BTM RWY 15/33 NONSTD MARKING WEF 1208141510  
!BTM 11/009 BTM NAV ILS RWY 15 LLZ/GP UNMONITORED WEF 1211132128