



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

February 3, 2020

ATTACHMENT 1 to the WEATHER STUDY

CEN20FA070

*Submitted by: Donald Eick
NTSB, AS-30*

Screen shots of weather briefing between KHSV and KSPI on January 28, 2020

BRIEFING SUMMARY

KHSV to KSPI

10,000' MSL in N6071R

Depart Jan 28, 1835z

HSV SPI

24 unread sections

STANDARD BRIEFING

Adverse Conditions

Temporary Flight Restrictions

Closed/Unsafe NOTAMs

Convective SIGMETs

SIGMETs

AIRMETs

IFR

Mountain Obscuration

Icing

Turbulence Low

Turbulence High

Winds > 30kts

Low Level Wind Shear

Airmet Sierra

Jan 28, 0845Z - Jan 28, 1500Z

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 28th...

INACTIVE DURING PASSING TIME

Jan 28, 1835Z - Jan 28, 1907Z

Airmet Sierra

Jan 28, 0845Z - Jan 28, 1500Z

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 28th...

INACTIVE DURING PASSING TIME

Jan 28, 1904Z - Jan 28, 1919Z

Airmet Sierra

Jan 28, 0845Z - Jan 28, 1500Z

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 28th...

INACTIVE DURING PASSING TIME

Jan 28, 1910Z - Jan 28, 2031Z

Airmet Sierra

Jan 28, 1500Z - Jan 28, 2100Z

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 28th...

ACTIVE DURING PASSING TIME

Jan 28, 1851Z - Jan 28, 1922Z

Airmet Sierra

IFR

Jan 28, 0845Z - Jan 28, 1500Z

ACTIVE TIME

Jan 28, 1910Z - Jan 28, 2031Z

INACTIVE DURING PASSING TIME



TRANSLATED

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 28th at 0845Z.
Chicago Forecast Area AIRMET Sierra prepared on the 28th at 0845Z.
AIRMET Sierra update 2 for IFR and mountain obscuration valid until the 28th at 1500Z.
AIRMET IFR...Iowa Illinois Indiana Kansas Kentucky Lake Michigan Lake Superior Michigan Minnesota Missouri North Dakota Nebraska South Dakota Wisconsin

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Other

Urgent PIREPs

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Jan 28, 1500Z - Jan 28, 2100Z

ACTIVE TIME

Jan 28, 1851Z - Jan 28, 1922Z

ACTIVE DURING PASSING TIME



TRANSLATED

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 28th at 0845Z.
Dallas/Ft. Worth Forecast Area AIRMET Sierra prepared on the 28th at 0845Z.
AIRMET Sierra update 1 for IFR valid until the 28th at 1500Z.
Outlook valid 1500Z to 2100Z... IFR Arkansas Louisiana Mississippi Oklahoma Tennessee Texas And coastal waters
Bounded by Oswego, Oswego, KS (OSW) to Razorback, Fayetteville, AR (RZC) to 50 miles east-south-east of BWG to 60 miles east-south-east of BNA to 60 miles south-south-east of Dyersburg Regional, Dyersburg, TN (DYR) to 30 miles northwest of MHZ to 30 miles south-south-west of LSU to 50 miles east-south-east of George Bush Intercontinental, Houston, TX (IAH) to 20 miles south-south-west of LRD to Laughlin Air Force Base, Del Rio, TX (DLF) to 50 miles south-south-east of ABI to 20 miles north-north-west of Lubbock Preston Smith International, Lubbock, TX (LBB) to 50 miles west of LBI to Oswego, Oswego, KS (OSW)

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Other

Urgent PIREPs

Center Weather Advisories

Severe Weather

Airmet Zulu

Jan 28, 1033Z - Jan 28, 1500Z

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 28th...

INACTIVE DURING PASSING TIME

Jan 28, 1909Z - Jan 28, 2031Z

2031Z

1909Z

KHSV

United States

Airmet Zulu

ICING

Jan 28, 1033Z - Jan 28, 1500Z

ACTIVE TIME

Jan 28, 1909Z - Jan 28, 2031Z

INACTIVE DURING PASSING TIME

TRANSLATED

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 28th at 1033Z amendment.

Chicago Forecast Area AIRMET Zulu prepared on the 28th at 1033Z amendment.

AIRMET Zulu update 4 for Ice and freezing level valid until the 28th at 1500Z.

AIRMET Ice...Arkansas Iowa Illinois Indiana Kansas Kentucky Lake Huron Lake Michigan Lake Superior Michigan Minnesota Missouri North Dakota Nebraska South Dakota Tennessee Wisconsin...update

From 30 miles north of INL to Thunder Bay (YOT) to SSM to Wlarton (YVW) to 30 miles southeast of ECK to Fort Wayne, Fort Wayne, IN (FWA) to Covington/Cincinnati, Covington, KY (CVG) to Henderson, Henderson, WV (HNN) to HMV to 20 miles east of ARG to 80 miles southwest of Winnipeg/James A. Richardson (YWG) to 30 miles north of INL.

Moderate ice between freezing level and 080. Freezing level from the surface to 2,000 feet mean sea level. Conditions continuing beyond 1500Z through 2100Z.

The freezing level ranges from the surface to 8,000 feet mean sea level across area.

Multiple freezing levels exist below 5,000 feet mean sea level within an area bounded by 50 miles north-north-west of ISN to 40 miles southwest of Minot International, Minot, ND (MOT) to BIS to PIR to 30 miles northwest of ANW to 50 miles east-south-east of Rapid City Regional, Rapid City, SD (RAP) to 70 miles northwest of Rapid City Regional, Rapid City, SD (RAP) to 50 miles north-north-west of ISN.

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Icing

Turbulence Low

Turbulence High

Winds > 30kts

Low Level Wind Shear

Other

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Center Weather Advisories

Severe Weather

Airmet Tango

Jan 28, 0845Z - Jan 28, 1500Z

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 28th...

INACTIVE DURING PASSING TIME

Jan 28, 1835Z - Jan 28, 1957Z

1957Z

1835Z

KSP

United States

Airmet Tango

TURBULENCE LOW

Jan 28, 0845Z - Jan 28, 1500Z

ACTIVE TIME

Jan 28, 1835Z - Jan 28, 1957Z

INACTIVE DURING PASSING TIME

TRANSLATED

AIRMET issued by the Aviation Weather Center Kansas City, Missouri on the 28th at 0845Z.

Dallas/Ft. Worth Forecast Area AIRMET Tango prepared on the 28th at 0845Z.

AIRMET Tango update 1 for Turbulence and low level wind shear valid until the 28th at 1500Z.

AIRMET Turbulence...Alabama Illinois Indiana Kentucky Missouri Tennessee

From 30 miles southwest of Terre Haute, Terre Haute, IN (TTH) to 20 miles south of Henderson, Henderson, WV (HNN) to HMV to Choo Choo, Chattanooga, TN (GCO) to 40 miles west-north-west of ATL to 60 miles southwest of Choo Choo, Chattanooga, TN (GCO) to 50 miles southeast of FAM to 30 miles southwest of Terre Haute, Terre Haute, IN (TTH)

Moderate turbulence between 15,000 feet and flight level 300. Conditions continuing beyond 1500Z ending by 1800Z.

BRIEFING SUMMARY

KHSV to KSPI

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Depart Jan 28, 1835z

HSV SPI

20 unread sections

STANDARD BRIEFING

Adverse Conditions

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Center Weather Advisories

Severe Weather

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Miscellaneous

Memphis Center (TN) Weather Advisory 101

Jan 28, 1144Z - Jan 28, 1344Z

Memphis Center (TN) Weather Advisory 101

Issued the 28th at 1144Z. Valid the ...

INACTIVE DURING PASSING TIME

Jan 28, 1825Z - Jan 28, 1941Z

Memphis Center (TN) Weather Advisory 101

FALIS21

Jan 28, 1144Z - Jan 28, 1344Z

ACTIVE TIME

Jan 28, 1835Z - Jan 28, 1941Z

INACTIVE DURING PASSING TIME

TRANSLATED

Memphis Center (TN) Weather Advisory 101 Issued the 28th at 1144Z.

Valid the 28th at 1144Z through the 28th at 1344Z.

From 35 miles east-south-east of FAM to 20 miles north of BWG to 25 miles north of BWG to 60 miles north of Choo Choo, Chattanooga, TN (GGO) to 45 miles south-south-west of Key Field, Meridian, MS (ME) to 50 miles south-south-east of Fort Smith Regional, Fort Smith, AR (FSM) to 35 miles east-south-east of FAM

Area occasional IFR Isolated Low IFR conditions. Ceilings at or below 005 and/or visibility at or below 2 statute miles IN mist. Conditions CNTG beyond the 28th at 1344Z

SHOW RAW TEXT

BRIEFING SUMMARY

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Depart Jan 28, 1835z

HSV SPI

19 unread sections

STANDARD BRIEFING

Adverse Conditions

Synopsis

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Miscellaneous

Surface Analysis Chart

Surface Analysis Chart

NWS Surface Analysis

Valid: Jan 28, 0900Z Updated: 1021Z

BRIEFING SUMMARY

KHSV to KSPI

10,000' MSL in N6071R

Depart Jan 28, 1835z

HVS SPI

18 unread sections

STANDARD BRIEFING

Adverse Conditions

SynopsIs

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METARs

PIREP

Forecasts

NOTAMs

Flow Control

Miscellaneous

METARs

PLAIN TEXT OFF

DEPARTURE

🕒

VFR

KHSV

281253Z

00000KT 7SM BCFG FEW250 00/M02 A3007 RMK AO2 SLP183 VIS SE-S 11000 T00001017

BRIEFING SUMMARY

KHSV to KSPI

10,000' MSL in N6071R

Depart Jan 28, 1835z

HSV SPI

18 unread sections

STANDARD BRIEFING

Adverse Conditions

SynopsIs

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PIREPs

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Miscellaneous

ROUTE

		IFR	KCMD	281315Z	00000KT 2SM BR CLR M01/M02 A3008 RMK AO2 T10121020
		VFR	KHUA	281258Z	00000KT 6SM BR CLR 00/00 A3006 RMK AO2 SLP184 T10041005 \$
		VFR	KDCU	281253Z	00000KT 10SM CLR M01/M01 A3007 RMK AO2 SLP186 T10111011
		VFR	KMDQ	281315Z	00000KT 10SM CLR M01/M02 A3007 RMK AO2 T10141019
		LIFR	KFYM	281315Z	02007KT M1/4SM FZFG OVC002 M00/M00 A3006 RMK A01
		LIFR	KGZS	281315Z	00000KT 1/4SM FG OVC002 00/M00 A3008 RMK A01
		LIFR	K2M2	281315Z	05004KT M1/4SM FG OVC002 00/M00 A3006 RMK A01
		LIFR	KLUG	281315Z	00000KT M1/4SM FG OVC002 01/01 A3009 RMK A01
		LIFR	KMRC	281315Z	06004KT M1/4SM FG OVC002 01/01 A3008 RMK A01
		LIFR	KMO2	281315Z	10004KT M1/4SM FZFG OVC002 M01/M01 A3007 RMK A01
		LIFR	KCKV	281252Z	08006KT 4SM BR OVC002 M01/M01 A3011 RMK AO2 SLP199 T10061011
		LIFR	KHOP	281312Z	05005KT 7/8SM R23/6000VP6000FT FZDZ BR OVC002 M01/M01 A3010 RMK AO2 FZDZB12 SLP200
		LIFR	KCEY	281315Z	02008KT 1/2SM OVC002 M01/M01 A3010 RMK A01
		LIFR	K5M9	281315Z	08005KT 1/2SM FZFG OVC002 M02/M02 A3011 RMK AO2 T10161016
		LIFR	KHSB	281315Z	03003KT 2 1/2SM BR OVC003 M02/M02 A3015 RMK AO2 T10191022
		LIFR	KMWA	281245Z	03006KT 5SM BR OVC003 M02/M02 A3013
		LIFR	KCUL	281315Z	36003KT 2 1/2SM BR OVC003 M01/M01 A3014 RMK AO2
		IFR	KFWC	281315Z	00000KT 4SM BR OVC005 M01/M01 A3014 RMK AO1 T10121015
		LIFR	KMVN	281312Z	VRB03KT 2SM BR OVC003 M02/M02 A3015 RMK AO2 ANO
		IFR	KFOA	281315Z	35004KT 5SM BR OVC005 M01/M02 A3013 RMK AO2 TSNO
		LIFR	KENL	281315Z	00000KT 2 1/2SM BR OVC003 M01/M01 A3013 RMK AO2 T10111011
		LIFR	KSLO	281315Z	07004KT 4SM BR OVC004 M01/M01 A3013 RMK AO2 T10061012
		MVFR	K3LF	281315Z	34005KT 3SM -SN SCT005 OVC010 M02/M03 A3014 RMK AO2 T10251031
		IFR	KTAZ	281315Z	29004KT 5SM BR OVC006 M02/M02 A3014 RMK AO2 T10201025
		IFR	KAAA	281315Z	31003KT 5SM BR OVC007 M01/M04 A3013 RMK AO2 T10151037

DESTINATION

		IFR	KSPI	281252Z	28007KT 7SM OVC005 M02/M03 A3013 RMK AO2 SLP209 T10171033
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NEXT: PIREPs

PIREP

270° RADIAL AT 8 NAUTICAL MILES, TIME: 1250Z, ALTITUDE: 1400 FEET, A/C TYPE: CESSNA 402, SKY CONDITION: OVERCAST CLOUDS AT 1400 FEET, TOPS AT 3,300 FEET, TEMPERATURE: -3° C, ICING: TRACE MIXED 2,000 TO 3,300 FEET, REMARKS: DURING CLIMB



TRANSLATED

Over DEC, 270° radial at 8 nautical miles, Time: 1250Z, Altitude: 1400 feet, A/C Type: CESSNA 402, Sky Condition: Overcast clouds at 1400 feet, tops at 3,300 feet, Temperature: -3° C, Icing: Trace mixed 2,000 to 3,300 feet, Remarks: During climb

RAW TEXT

UA /OV DEC270008/TM 1250/FL014/TP C402/SK OVC014-TOP033/TA M03/IC TRACE MIXED 020-033/RM DURC =

East 1500z

AVIATION CLOUDS FORECAST

VALID AT 1500 UTC TUE 28 JAN 2020

CLOUD COVERAGE: FEW SCT BKN OVC

CLOUD LAYERS COVERAGE AND BASE (MSL)

AVIATION WEATHER CENTER (NOAA/NWS/NCEP)

ISSUED AT 1302 UTC TUE 28 JAN 2020

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 Depart Jan 28, 1835z
 HSV SP

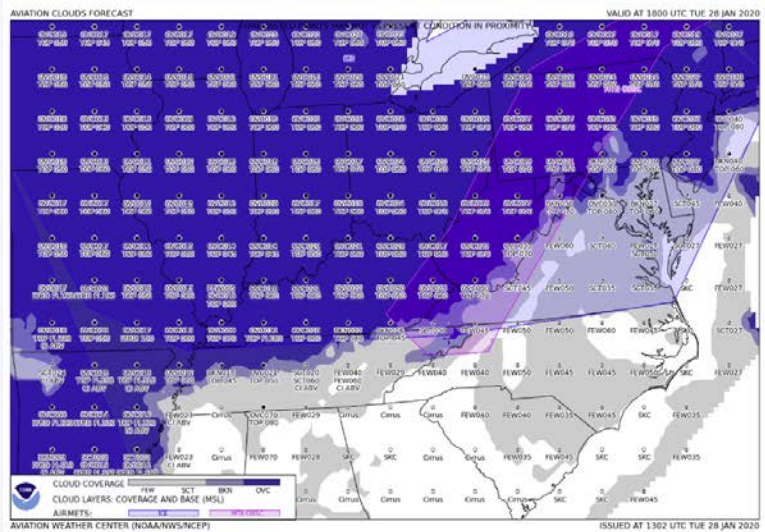
16 unread sections

STANDARD BRIEFING

- Adverse Conditions
- Synopsis
- Current Weather
- Forecasts
- Cloud Coverage**
- Vis, Sfc Winds & Precip
- TAFs
- Winds Aloft
- NOTAMs
- Flow Control
- Miscellaneous

- East 1500z
- East 1800z
- East 2100z
- East 0000z
- Central 1500z
- Central 1800z
- Central 2100z
- Central 0000z
- CONUS 1500z
- CONUS 1800z
- CONUS 2100z
- CONUS 0000z

East 1800z



BRIEFING SUMMARY

KHSV to KSPI
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 HSV SP

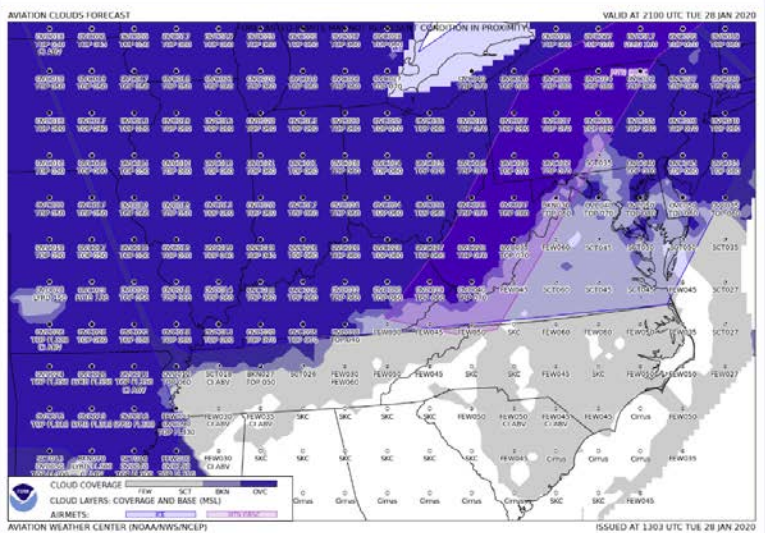
16 unread sections

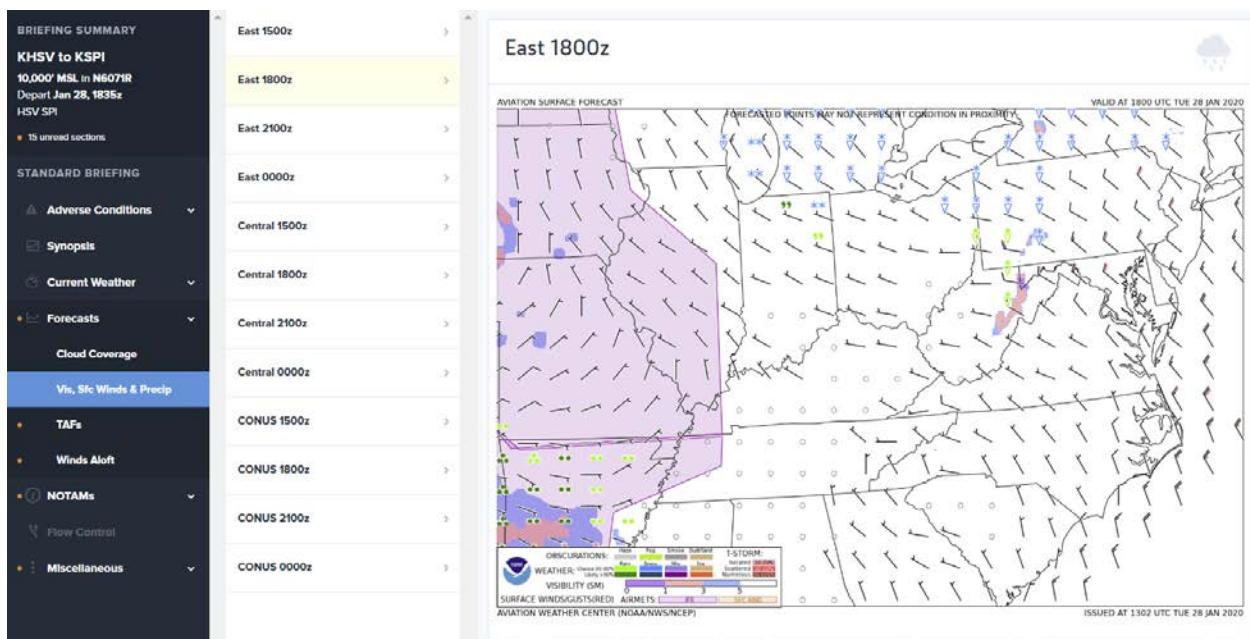
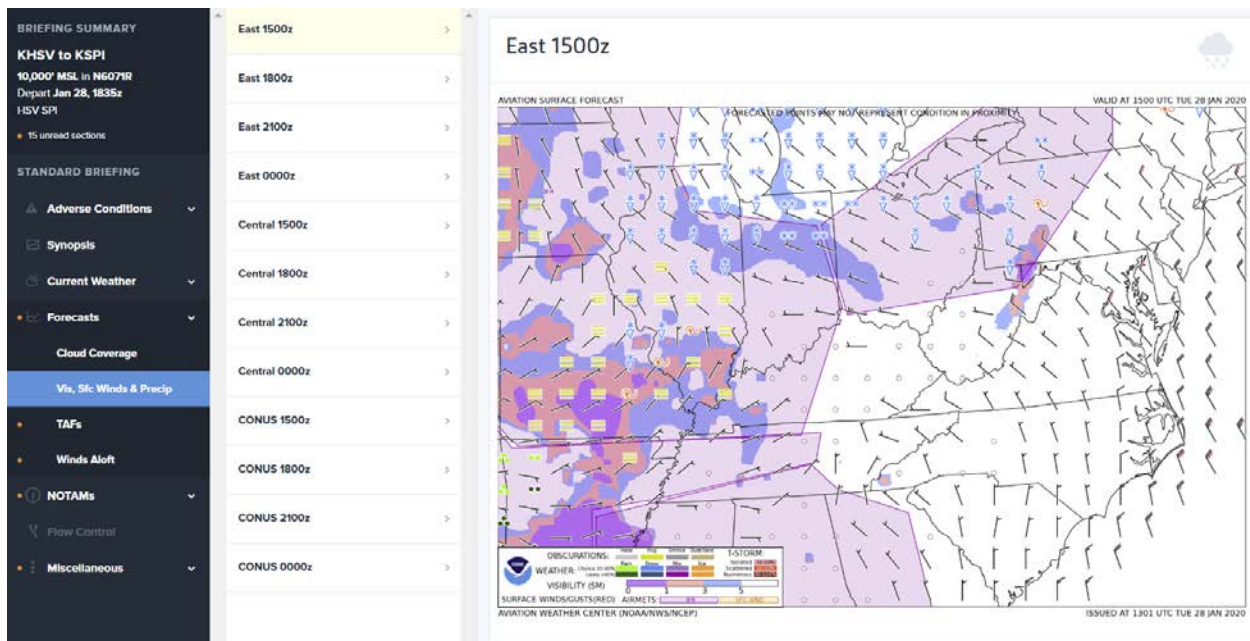
STANDARD BRIEFING

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- East 1500z
- East 1800z
- East 2100z
- East 0000z
- Central 1500z
- Central 1800z
- Central 2100z
- Central 0000z
- CONUS 1500z
- CONUS 1800z
- CONUS 2100z
- CONUS 0000z

East 2100z





NEXT: Departure Notams

BRIEFING SUMMARY

KHSV to KSPI

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HSV SPI

12 unread sections

STANDARD BRIEFING

Adverse Conditions

SynopsIs

Current Weather

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NOTAMs

Departure

Destination

Alternate 1

Alternate 2

Enroute

Gen FDC

Intl

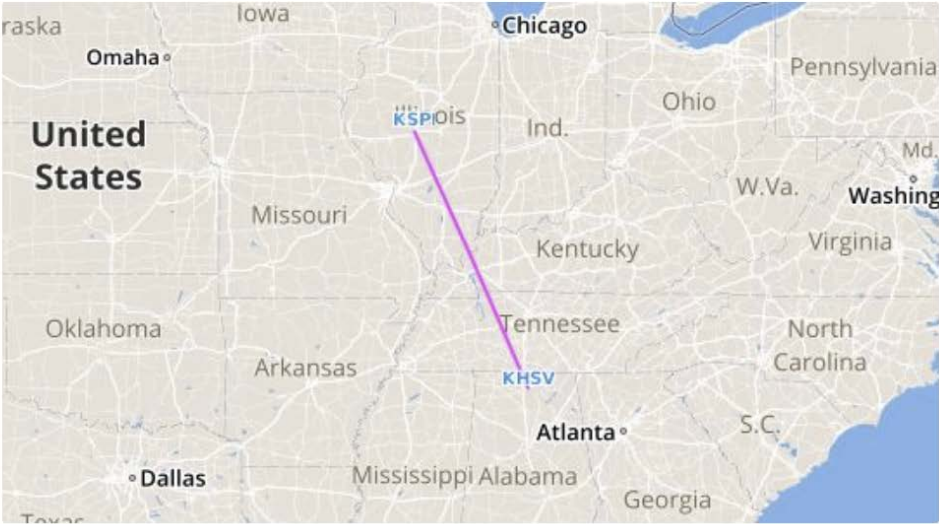
Uncategorized

Flow Control

Miscellaneous

Departure NOTAMs

PLAIN TEXT OFF



NAVIGATION

Huntsville Intl-Carl T Jones, Huntsville, AL (KHSV)
HSV 01/1062 NAV ILS RWY 36L LOC/GP U/S 2001271649-2001312100

Huntsville Intl-Carl T Jones, Huntsville, AL (KHSV)
HSV 01/1061 NAV ILS RWY 18R LOC/GP U/S 2001271649-2001312100

Huntsville Intl-Carl T Jones, Huntsville, AL (KHSV)
HSV 12/12030 NAV ILS RWY 36R GP U/S 1912161212-2002052130

COMMUNICATION

None

SERVICE

Huntsville Intl-Carl T Jones, Huntsville, AL (KHSV)
HSV 01/1060 SVC MBST/WS DETECTION SYSTEM NOT AVBL 2001291000-2001291200

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Alternate 2

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Intl

Uncategorized

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Miscellaneous

NAVIGATION

None

COMMUNICATION

None

SERVICE

Abraham Lincoln Capital, Springfield, IL (KSPI)
SPI 01/1092 SVC TAR/SSR U/S 2001281400-2001282100

OBSTRUCTION WITHIN 10 NM

Abraham Lincoln Capital, Springfield, IL (KSPI)
SPI 01/1012 OBST TOWER LGT (ASR 1226544) 394952.40N0893114.90W (7.3NM E SPI) 831.0FT (256.9FT AGL) U/S 2001081209-2002071209

AIRSPACE WITHIN 10 NM

