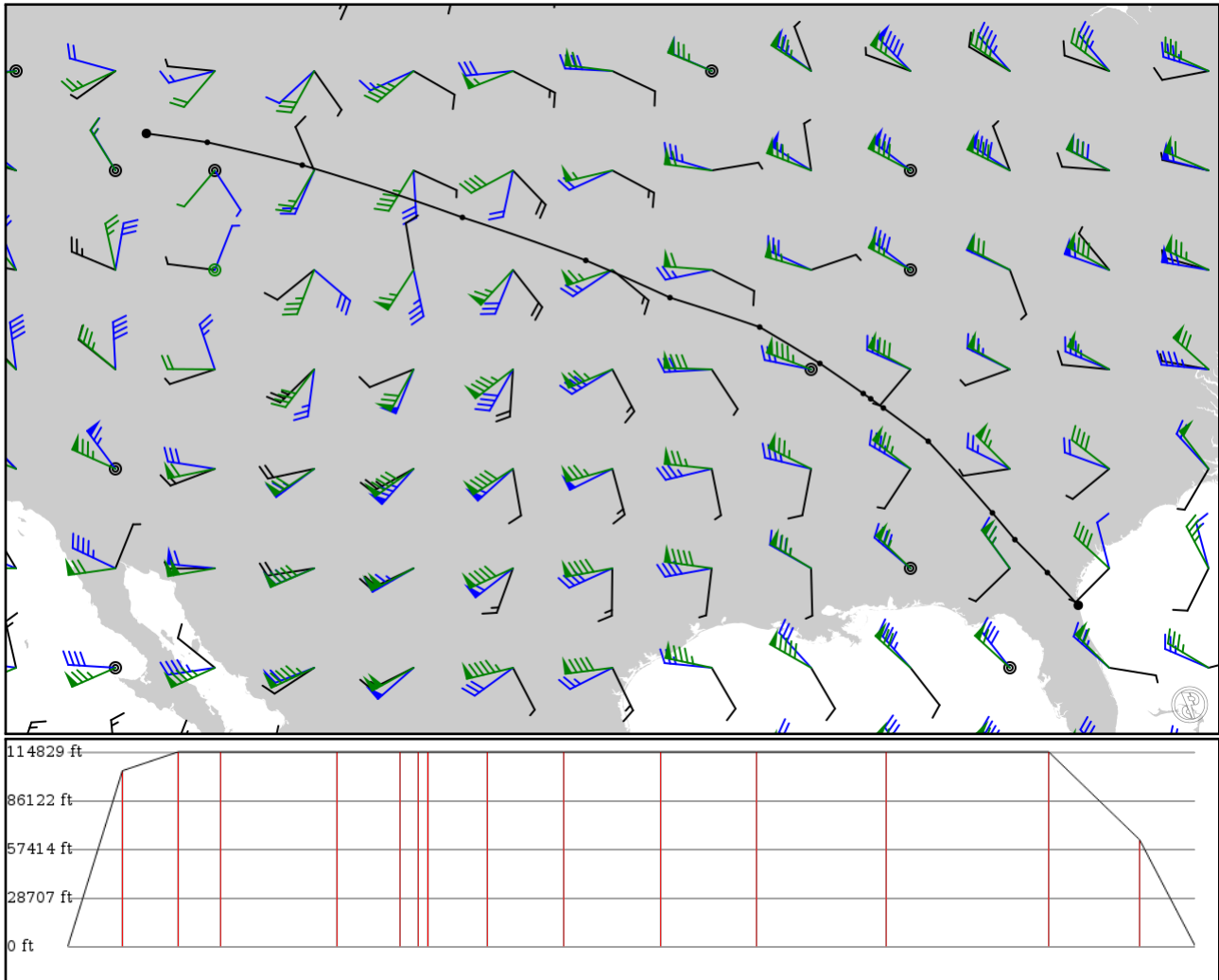


2024/05/05 0713Z

KNRB AMG **J45** BNA **Q19** TINGS **J45** STL **J151** BIL **J136** HLN KMSO

1821.26 nm / 3372.97 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KNRB	-	30.39140	0 ft	-	Mayport Ns
APT	-	-81.42450	0 m		
AMG	-	31.53660	31,600 ft	88	ALMA
VOR	-	-82.50810	9,632 m		
MCN	J45	32.69120	35,000 ft	90	MACON
VOR	AWY-HI	-83.64720	10,668 m		
ATL	J45	33.62910	35,000 ft	68	ATLANTA
VOR	AWY-HI	-84.43510	10,668 m		
BNA	J45	36.13700	35,000 ft	186	NASHVILLE
VOR	AWY-HI	-86.68480	10,668 m		
TINGS	Q19	37.30300	35,000 ft	103	-
FIX	AWY-HI	-88.25620	10,668 m		
DENNI	J45	37.62300	35,000 ft	28	-
FIX	AWY-HI	-88.70110	10,668 m		
PLESS	J45	37.80960	35,000 ft	16	-
FIX	AWY-HI	-88.96320	10,668 m		
STL	J45	38.86070	35,000 ft	95	SAINT LOUIS
VOR	AWY-HI	-90.48240	10,668 m		
IRK	J151	40.13500	35,000 ft	124	KIRKSVILLE
VOR	AWY-HI	-92.59170	10,668 m		
OVR	J151	41.16720	35,000 ft	156	OMAHA
VOR	AWY-HI	-95.73690	10,668 m		
ONL	J151	42.47050	35,000 ft	153	O'NEILL
VOR	AWY-HI	-98.68690	10,668 m		
RAP	J151	43.97600	35,000 ft	209	RAPID CITY
VOR	AWY-HI	-103.01200	10,668 m		
BIL	J151	45.80860	35,000 ft	262	BILLINGS
VOR	AWY-HI	-108.62500	10,668 m		
HLN	J136	46.60680	19,200 ft	146	HELENA
VOR	AWY-HI	-111.95300	5,852 m		
KMSO	-	46.91620	0 ft	89	Missoula Intl
APT	-	-114.09000	0 m		

KMSO

Region: UNITED STATES
Timezone: AMERICA/DENVER
Runways: 2

Elevation: 3,205 ft / 977 m
Location: 46.916200 -114.090000
Magnetic Var: 12.488 E

METAR

KMSO 050653Z AUTO 27004KT 10SM CLR 11/02 A2949 RMK A02 SLP977 T01110017 402001011 \$

TAF

KMSO 050537Z 0506/0606 07006G25KT P6SM SKC FM051000 12010G18KT P6SM -SHRA OVC050 FM051700 31010KT 6SM -RA OVC050

Frequencies

REC - 126.65 MHz - ATIS
COM - 122.95 MHz - MISSOULA UNICOM
TWR - 118.40 MHz - MISSOULA TOWER
APP - 124.90 MHz - SPOKANE APPROACH
COM - 118.40 MHz - CTAF
GND - 121.90 MHz - MISSOULA GROUND
DEP - 124.90 MHz - SPOKANE DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
12	150 ft	9,489 ft	130.53	ASPHALT	0 ft	200 ft
	46 m	2,892 m	118.04		0 m	61 m
30	150 ft	9,489 ft	310.55	ASPHALT	0 ft	200 ft
	46 m	2,892 m	298.06		0 m	61 m
08	75 ft	4,603 ft	89.33	ASPHALT	0 ft	0 ft
	23 m	1,403 m	76.85		0 m	0 m
26	75 ft	4,603 ft	269.35	ASPHALT	0 ft	0 ft
	23 m	1,403 m	256.86		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	LOC-ILS	IMSO	109.30 MHz	18 nm	130.55	-	3,205 ft
				33 km	118.06		3,205 m
12	GS	IMSO	109.30 MHz	10 nm	130.55	3.00	3,205 ft
				19 km	118.06		3,205 m